

Enabling the Business of Agriculture 2019



WORLD BANK GROUP

Enabling the Business of Agriculture 2019

Enabling the Business of Agriculture 2019

© 2019 International Bank for Reconstruction and Development / The World Bank
1818 H Street NW, Washington, DC 20433
Telephone: 202-473-1000; Internet: www.worldbank.org
Some rights reserved

1 2 3 4 22 21 20 19

This work is a product of the staff of The World Bank with external contributions. The findings, interpretations, and conclusions expressed in this work do not necessarily reflect the views of The World Bank, its Board of Executive Directors, or the governments they represent. The World Bank does not guarantee the accuracy of the data included in this work. The boundaries, colors, denominations, and other information shown on any map in this work do not imply any judgment on the part of The World Bank concerning the legal status of any territory or the endorsement or acceptance of such boundaries.

Nothing herein shall constitute or be considered to be a limitation upon or waiver of the privileges and immunities of The World Bank, all of which are specifically reserved.

Rights and Permissions



This work is available under the Creative Commons Attribution 3.0 IGO license (CC BY 3.0 IGO) <http://creativecommons.org/licenses/by/3.0/igo>. Under the Creative Commons Attribution license, you are free to copy, distribute, transmit, and adapt this work, including for commercial purposes, under the following conditions:

Attribution—Please cite the work as follows: World Bank. 2019. *Enabling the Business of Agriculture* 2019. Washington, DC: World Bank. doi: 978-1-4648-1387-0. License: Creative Commons Attribution CC BY 3.0 IGO

Translations—If you create a translation of this work, please add the following disclaimer along with the attribution: *This translation was not created by The World Bank and should not be considered an official World Bank translation. The World Bank shall not be liable for any content or error in this translation.*

Adaptations—If you create an adaptation of this work, please add the following disclaimer along with the attribution: *This is an adaptation of an original work by The World Bank. Views and opinions expressed in the adaptation are the sole responsibility of the author or authors of the adaptation and are not endorsed by The World Bank.*

Third-party content—The World Bank does not necessarily own each component of the content contained within the work. The World Bank therefore does not warrant that the use of any third-party-owned individual component or part contained in the work will not infringe on the rights of those third parties. The risk of claims resulting from such infringement rests solely with you. If you wish to re-use a component of the work, it is your responsibility to determine whether permission is needed for that re-use and to obtain permission from the copyright owner. Examples of components can include, but are not limited to, tables, figures, or images.

All queries on rights and licenses should be addressed to World Bank Publications, The World Bank Group, 1818 H Street NW, Washington, DC 20433, USA; e-mail: pubrights@worldbank.org.

ISBN (paper): 978-1-4648-1387-0
ISBN (electronic): 978-1-4648-1388-7
DOI: 10.1596/978-1-4648-1387-0

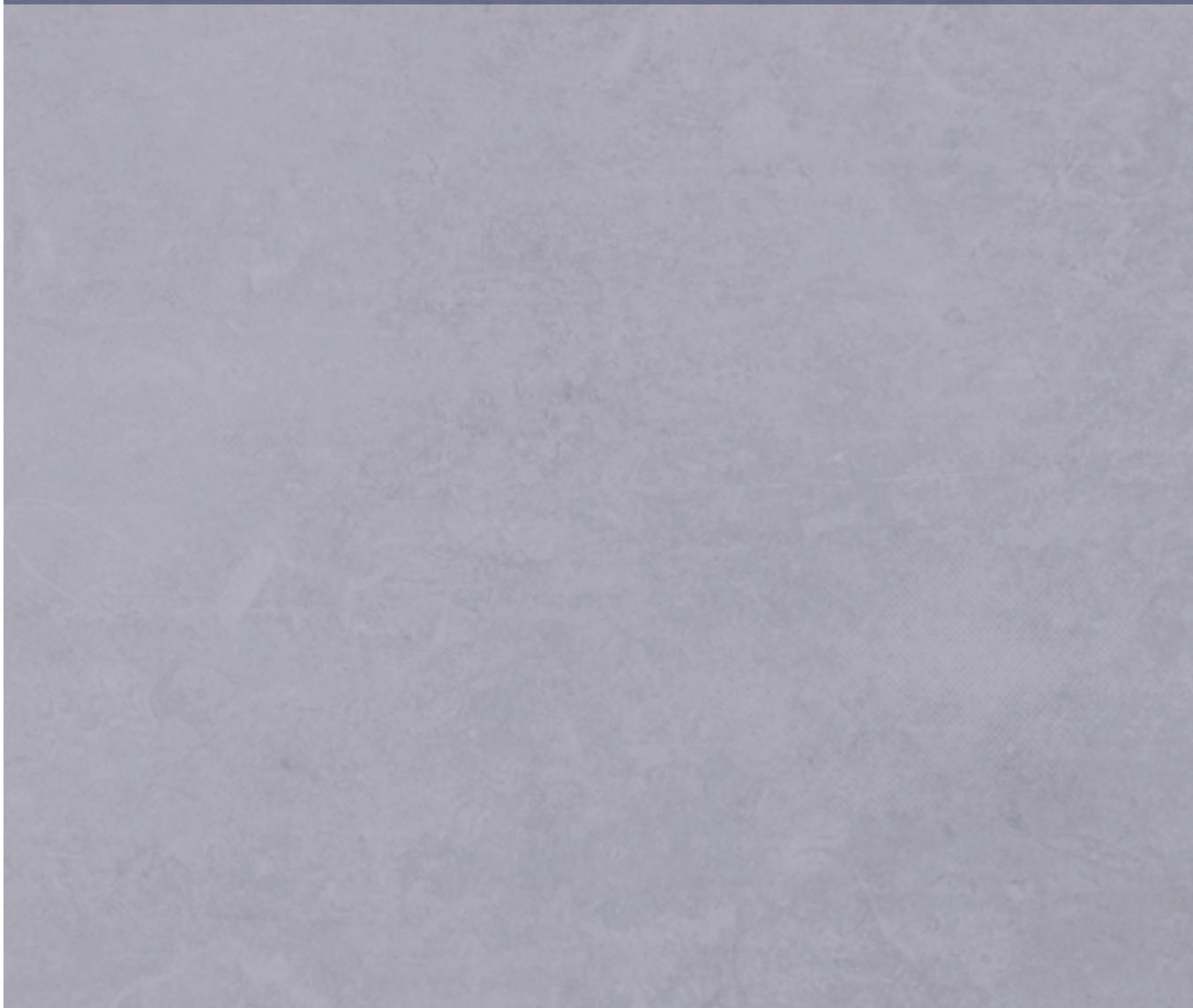
Cover art: Diego Rivera, *Still Life and Blossoming Almond Trees*, 1931, fresco, 55.5 x 106 inches, University of California, Berkeley. Gift of Rosalie M. Stern (Mrs. Sigmund Stern). Used with permission; further permission required for reuse.

Library of Congress Cataloging-in-Publication Data has been requested.

Contents

Foreword.....	vii
About <i>Enabling the Business of Agriculture</i>	1
Findings.....	7
References.....	22
Data Notes.....	25
Summaries of <i>Enabling the Business of Agriculture</i> Reforms between 2016 and 2018.....	41
Country Tables.....	49
Acknowledgments.....	85
Experts.....	87





Foreword

Hunger has been on the rise globally for the third year in a row. In 2017, 821 million people were undernourished, or almost 11% of the world's population. Today, more than 150 million children are affected by stunting, limiting their education and employment opportunities. Food security—defined as having reliable access to nutritious food—is fundamental to ensure the prospects of future generations.

Beyond the production of food for sustenance and nourishment, agriculture plays an additional role in reducing poverty as it provides incomes for many of the 80% of the world's poor who live in rural areas. And sustainable agricultural development boosts growth in the manufacturing and services sector through a dynamic link between farmers to urban consumers.

The agricultural sector in developing countries is transforming. This process is characterized by improvements in productivity, a shift away from staple crops and a greater degree of commercialization. Despite some progress, however, productivity growth has been lagging and yields are low, especially in Africa. The reasons include a lack of high-quality inputs, such as seeds, fertilizer and mechanized technology, and limited training on better farm practices, and slow, unreliable access to markets. More needs to be done to boost productivity.

Governments play a key role in enabling growth in agriculture. Laws and regulations influence the cost of production and determine the extent to which the private sector can benefit from investment and trade. Supportive regulations facilitate farmers' participation in agricultural value chains, whereas unnecessary burdens prevent them from reaping the benefits of the increasing global food demand.

Enabling the Business of Agriculture assesses whether governments make it easier for farmers to operate their businesses. The indicators provide a measure of progress and identify regulatory obstacles to market integration and entrepreneurship in agriculture. With globally comparable data on regulations covering agricultural inputs, plant health, access to credit and markets, the study finds large disparities across countries on the strength of regulations and the efficiency of their implementation.

European Union member countries perform at the top. For example, France, Croatia and the Czech Republic pair good regulations with efficient processes across all areas measured.

Africa is reforming fast: among the ten countries that improved their regulations the most in the past two years, four are from Sub-Saharan Africa. Sierra Leone was the top reformer globally, making it easier for farmers to get water, buy seed and sustain their livestock. Its neighbor Liberia, in contrast, is at the bottom of most of this study's indicators. By measuring how governments perform in making it easier for the world's 570 million farms to grow food, *Enabling the Business of Agriculture* plays a vital role in ensuring that countries can measure up to the task of providing food of quality and in quantity for their people.

The report shows that farmers' seeds need not be cast on stony ground, and governments have a big role to play in helping farms and farmers grow and flourish. The evidence for that is here in the following pages.

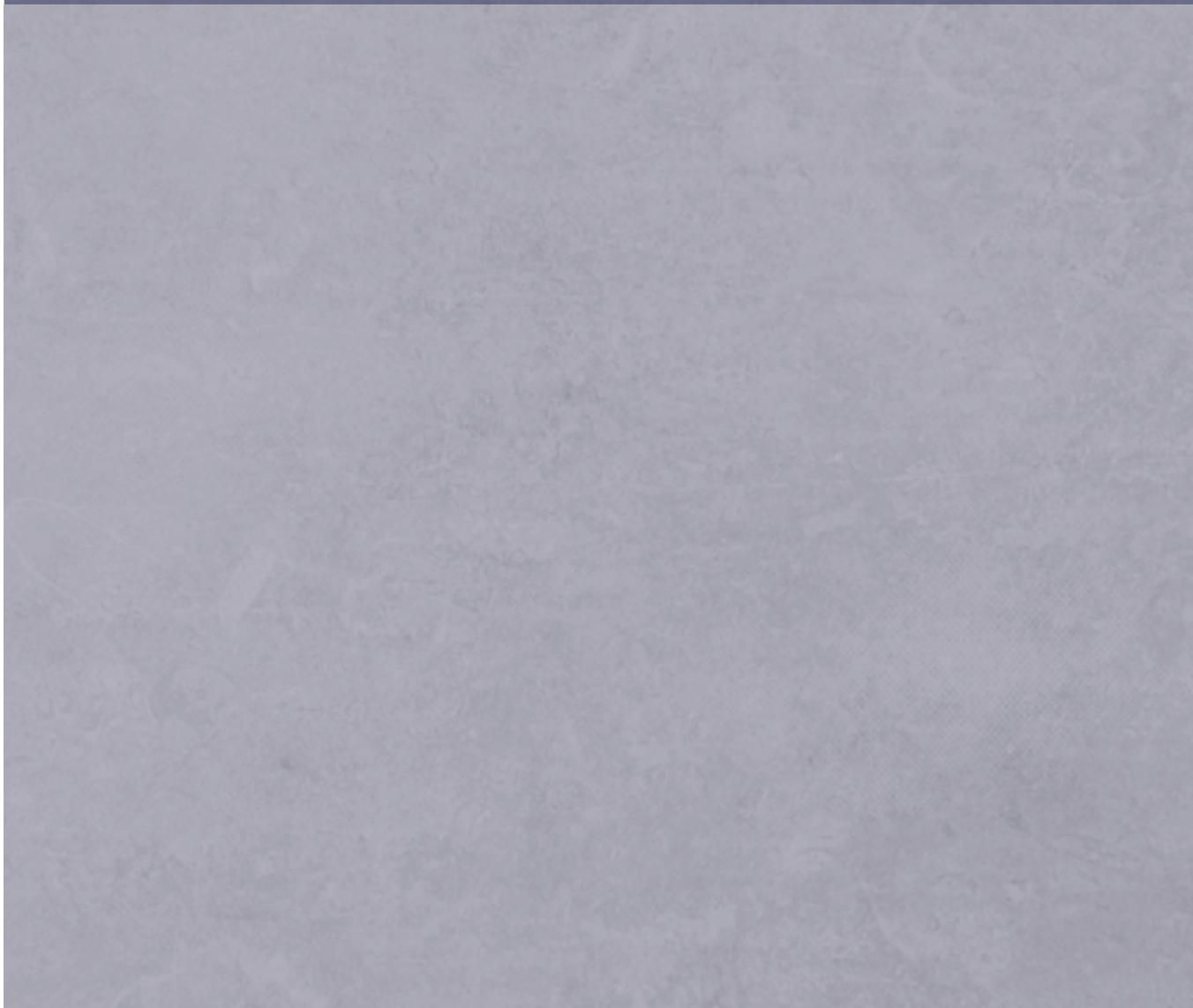


Simeon Djankov
Senior Director
Development Economics
World Bank Group



Martien Van Nieuwkoop
Global Director
Agriculture and Food Global Practice
World Bank Group





01

About Enabling the Business of Agriculture



Enabling the Business of Agriculture measures how regulation affects the livelihood of domestic farmers. Farming is a challenging business—especially when undertaken on a smaller scale. Most farms are comparatively small, with about 84% of all farms having less than two hectares of land for growing crops and livestock.¹ Globally, there are about 570 million farms, employing an estimated 28% of the world's workforce, including the majority of the world's rural poor workers.² Farmers manage numerous risks on a daily basis. Often regulation fails to support farmers and may even create obstacles.

Focusing on the perspective of the farmer implies prioritizing regulatory areas where farmers are likely to face the biggest obstacles. Farmers need access to high-quality inputs—including seed, fertilizer, machinery, animal feed and veterinary medicinal products. They need access to finance and to market opportunities. *Enabling the Business of Agriculture* focuses on farmers' transactions with a large variety of actors across agriculture market systems. These include seed and fertilizer companies, phytosanitary offices, water management authorities, feed and veterinary medicine producers, pest control offices and warehouse operators. Regulation impacts these transactions. Long waits and exorbitant costs to procure farming inputs can be a deterrent for farmers to expand business operations. If a farmer uses a low-quality seed or fertilizer, the consequences may not become fully apparent until harvest time. As not all countries have the capacity to produce inputs such as fertilizer and veterinary medicinal products, these inputs often need to be imported. In these countries regulatory obstacles to trade limit the productivity of agribusinesses.³ Similarly, not having the possibility to use agricultural products as collateral through a warehouse receipts system can limit farmers' ability to access finance.

Building on previous *Enabling the Business of Agriculture* reports published in 2015, 2016 and 2017, the indicators were refined to cover the areas where regulatory constraints to productivity are most significant. The 2019 methodological revision reduced the overall number of data points contributing to the overall country scores and simplified substantially the scoring and weighting methodology. Indicator development was guided by a review of the academic literature and consultations with civil society organizations, partner institutions, practitioners, public and private sector representatives, researchers and technical experts. While country contexts differ and policy recommendations should be informed by a wide variety of diagnostic tools, the data that underlie the indicators presented in *Enabling the Business of Agriculture* are globally comparable and can be used to benchmark countries' performances.

What does *Enabling the Business of Agriculture* measure?

Enabling the Business of Agriculture helps policy makers assess the regulatory environment in agriculture. The study examines whether government-designed regulations and processes either facilitate or hinder agricultural activities of domestic farmers. *Enabling the Business of Agriculture* provides data on eight quantitative indicators: supplying seed, registering fertilizer, securing water, registering machinery, sustaining livestock, protecting plant health, trading food, and accessing finance (table 1.1, figure 1.1).

Good quality seed is an essential input for farmers. Uncertified seed comprises a comparatively large share of the seed used by farmers globally and is often sourced through informal channels.⁴ While farmer-based informal seed systems are vital to support biodiversity and resilience against climatic shocks, uncertified seeds may be of variable quality. For those farmers who decide to sell produce on local, regional or international markets, the availability of registered varieties and quality of certified seed are of paramount importance.

Fertilizer is used to increase productivity. The appropriate use of fertilizer can bring higher crop yields, but adulterated fertilizer is rampant in many countries, damaging yields. In addition, some fertilizer may not be well adapted to local crops. Similar to seed, the consequences of using poor fertilizer may not become fully apparent until it is too late in the growing season for farmers to take action. Fertilizer testing, registration and labeling requirements all ensure that good quality fertilizer is available to farmers. However, without a well-managed fertilizer registration system, registered fertilizers may not be widely accessible to farmers.⁵



Farmers also need access to water, and regulation affects this. Water is a critical resource and it is often a source of risk for farmers. When farmers perceive high risks from insufficient water, they must make strategic decisions. Options may be to grow crops or raise animals that require less water, to invest in storing rainwater on farms to be able to survive dry spells, or to pump groundwater or draw water from nearby ponds or streams. Each of these choices brings its own risks. Farmer-led irrigation development, if the scale is large enough, may require complying with water use permit rules. Even when farmers are exempt from regulatory requirements, it can be a dubious benefit, as a lack of regulation signifies that their water use may not be well protected (either legally or practically) against other larger water users. If a farmer invests in irrigation and the local water source becomes polluted or depleted, there could be few options left. Too little water means a reduced harvest, reduced growth of farm animals and reduced farm revenues.⁶

Table 1.1 What Enabling the Business of Agriculture measures

INDICATOR	WHAT IS MEASURED
Supplying seed	Time and cost to register a new cereal variety and the quality of the seed regulation
Registering fertilizer	Time and cost to register a new chemical fertilizer product and the quality of the fertilizer regulation
Securing water	Requirements for access to water information and opportunities to participate in water resources management decisions
Registering machinery	Time and cost to register a two-axle, four-wheel-drive agricultural tractor
Sustaining livestock	Quality of the regulations for manufactured feed and veterinary medicinal products
Protecting plant health	Quality of phytosanitary regulation
Trading food	Time and cost to obtain documents to trade agricultural goods and the quality of food regulation system
Accessing finance	Accessing finance laws and regulations

Farmers may want to expand the area they cultivate. Using machinery may be a viable option if adequate labor is unavailable (from people and animals) for planting, tending and harvesting. But, registering agricultural machines can be complex. Most countries regulate tractors and require that agricultural tractors be formally registered before they are used. While registration serves an important purpose for ensuring basic safety levels, costly or time-consuming registration processes make it less viable for farmers to consider investing in agricultural machinery.⁷

When farming livestock, the health of each animal is of the utmost importance. Raising healthy animals requires many inputs. Farmers rely on foraging and grazing to feed their animals. If these resources are inadequate to sustain and grow their livestock—especially during dry periods—they turn to manufactured animal feed products to ensure that their herds receive good nutrition and continue to thrive. Beyond animal nutrition, animal diseases are estimated to reduce livestock production by 20% globally and cost farmers around \$300 billion each year.⁸ Regulation of animal feed and veterinary medicinal products plays an important role in ensuring safe, high-quality inputs for livestock production.

Pests and diseases pose great risks to crops. These outbreaks can spread rapidly and lead to significant crop losses—compromising the ability to achieve robust harvests, deliver on production contracts or meet market standards. It is estimated that plant diseases destroy 10% of the world's crop harvest.⁹ Farmers must rely on strong phytosanitary legislation which allows for rapid pest identification, reporting and quarantining.¹⁰



Figure 1.1 *Enabling the Business of Agriculture* indicators



Trading food offers important opportunities. However, in many countries barriers to trade prevent individual farmers and producer organizations from increasing their sales. Streamlined regulatory processes to trade agricultural goods open doors to higher sales volumes.¹¹

Lack of collateral is a key obstacle for farmers to get access to credit to invest in production. In developing countries, land is the most common form of collateral used to secure financing. However, some farmers have trouble demonstrating clear legal rights to land. In countries where regulatory frameworks recognize the use of warehouse receipts as an alternative movable collateral, farmers can receive a warehouse receipt as evidence of deposited goods. A warehouse receipt serves to fulfil collateral requirements and enables farmers to obtain credit, in particular, working capital. Furthermore, a reliable warehouse receipt system allows farmers to extend the sales period of perishable products beyond the harvesting season when prices are usually low. This system increases income for farmers and stabilizes market prices over the long term.¹²

Drawing on broader *Enabling the Business of Agriculture* data

Data used to formulate *Enabling the Business of Agriculture* indicators are drawn from a broader set of data collected by the team over time. They include key information to understand country contexts, as well as provisions that impact key players in the agricultural value chain, including farmers. While much of this data was not used for the indicators issued in this study, they remain an integral part of the information provided by *Enabling the Business of Agriculture* for policy dialogue and analysis.

Examples of the additional dimensions covered are:

-  > Breeder's rights and licensing to third parties
> Provisions on post-control testing of seed
-  > Fertilizer import and quality control requirements
-  > Machinery standards and import procedures
-  > Water abstraction permits
-  > Regulation of producer organizations

Enabling the Business of Agriculture indicators produce evidence that can be readily used to compare countries' legal and regulatory provisions relevant to farmers. To deepen the analysis, country-level policy discussions will well benefit from the broader data set to be found on the project's website: <http://eba.worldbank.org>.

Land availability and security are fundamental to fulfilling the growing global demand for food. Land tenure security promotes investments in land and facilitates its productive allocation. Secure land rights make it easier to access credit by using land as collateral. Yet, limited access to land and inadequate tenure security are crucial bottlenecks for farmers worldwide. This has tremendous consequences for agriculture. When farmers lack secure land rights, they are less likely to invest labor and capital in improving soil, growing perennial crops, managing rangelands and building irrigation systems. This year, *Enabling the Business of Agriculture* features new data on two areas where regulation is key to ensure land tenure security: safeguards against land expropriation and the recognition of customary land rights. All *Enabling the Business of Agriculture* data and a summary of findings on the land data are available on the project's website.

What is not measured by *Enabling the Business of Agriculture*?

The laws, regulations and bureaucratic processes covered by *Enabling the Business of Agriculture* impact farmers, but they are just one part of the broader landscape where farmers operate. Other factors make farming challenging. Many farmers are located in rural areas, far from large cities where agricultural traders are based. This distance can make it harder to obtain high-quality farming inputs and to sell produce. *Enabling the Business of Agriculture* does not measure physical factors such as distance from major cities, the quality of connecting roads or any other issue related to infrastructure.

Enabling the Business of Agriculture does not measure natural factors affecting the productivity of farmers such as the type of soil, average temperatures and precipitation levels, the length of the growing season, or the risk of droughts and floods. In conjunction with complementary datasets, *Enabling the Business of Agriculture* provides valuable comparative insights about the business landscape faced by farmers.



Country coverage

Enabling the Business of Agriculture covers 101 countries across all regions. These countries were selected to ensure adequate representation of all regions and all levels of agricultural development so as to capture a diversity of regulatory practices. *Enabling the Business of Agriculture* takes into account the share of the workforce employed in agriculture as well as agriculture's value added in each country's gross domestic product (GDP). Countries with relatively small agricultural sectors (defined as less than US\$1 billion) are excluded, unless more than 100,000 people are employed in agriculture.

How the data are collected

Primary data are collected by administering standardized questionnaires to local experts. The questionnaires received are carefully analyzed by the *Enabling the Business of Agriculture* team and complemented by an in-depth review of the relevant laws and regulations. After the data are collected and processed, the team conducts follow-up conference calls, written correspondence and country visits, and then aggregates the data by indicator. Comments on the data are received from relevant experts across the World Bank Group through an internal review process. The indicator-specific scores, as well as underlying components, are presented in this study and on the project's website <http://eba.worldbank.org>.

Respondents include farmer organizations, academia, law firms, businesses, financial institutions, government ministries and agencies, and professional associations. The team selects the respondents based on their knowledge of their respective countries' regulation. Involving various experts from across sectors increases data accuracy by balancing differing perspectives.

Data are collected in a standardized way to ensure comparability across countries and over time. Each indicator questionnaire is based on standardized case study assumptions about the farmer and her farm. These assumptions are applied across all 101 countries for each indicator. The data in this study are current as of June 30, 2018, and do not reflect any changes after this date.

How the data can be used

Enabling the Business of Agriculture supports evidence-based policy making to improve the regulatory environment affecting farmers. By setting the right regulation, governments increase the competitiveness of farmers. The *Enabling the Business of Agriculture* data provide a simple snapshot of key aspects to be considered by policy makers as part of a broader strategy for boosting farmers' productivity. Countries in Sub-Saharan Africa and Asia are already using the agribusiness indicators to gain insights from neighboring countries and draw lessons from various regulatory practices across the globe. The data have also been used for research purposes. Since 2014, more than 20 academic articles in peer-reviewed journals have cited indicators developed under previous editions. For example, a recent study of access to markets for smallholder farmers in Kenya analyzed good practices highlighted in the 2017 edition of the study.¹³

Notes

1 Lowder et al. 2016; Zezza et al. 2011.

2 Lowder et al. 2016; ILOSTAT 2018.

3 Lio and Liu 2008.

4 Coomes et al. 2015.

5 Beaman et al. 2013; McArthur and McCord 2017.

6 Rockström 2000; van Koppen and Schreiner 2019; Woodhouse et al. 2017.

7 Middelberg 2017; Onwude et al. 2016.

8 Pradère N.d.

9 Strange and Scott 2005.

10 Prévost 2010.

11 FAO 2008.

12 Adjognon et al. 2017; Lacroix and Varangis 1996; Mpuga 2010.

13 Kariuki et al. 2019.



02

Findings



Food is essential for life. In many countries, especially in the developing world, farmers are core producers of food. But do regulatory systems help farmers acquire all the necessary inputs as well as grow and sell their produce in the most effective way? This is what the *Enabling the Business of Agriculture* project is about. It measures whether governments make it easier for farmers to operate agricultural businesses. This study publishes data on eight indicators: supplying seed, registering fertilizer, securing water, registering machinery, sustaining livestock, protecting plant health, trading food and accessing finance.

Imagine a farmer in Croatia, which scores among the top 10 in *Enabling the Business of Agriculture*. Although agriculture constitutes only 3% of GDP, the country developed strong laws in the areas of plant protection, fertilizer registration, livestock and food export. The country's regulation enables farmers to capitalize on their businesses.

Then consider a farmer in Liberia, where agriculture accounts for 37% of GDP. Liberia lacks regulation on supplying seed, registering fertilizer or securing water; has no clear standards to ensure high-quality animal feed, and no viable opportunities to access credit through the use of warehouse receipts. As a result, the country scores poorly on most of the indicators in the *Enabling the Business of Agriculture* study.

Global agricultural production has grown tremendously in recent decades, tripling between 1970 and 2016. While it currently constitutes only about 3.9% of global GDP,¹ agriculture is the economic backbone of many developing countries. Agriculture contributes to about 25% of GDP in low-income countries as compared to only 1% of GDP in the European Union.²

In low-income countries, employment in agriculture ranges from 17% on average in the Middle East and North Africa, to 55% on average in Sub-Saharan Africa.³ When agriculture becomes highly developed, as is the case in the United States and the European Union, it requires less labor, allowing workers to move to more economically productive sectors of the economy.

Global agricultural production is expected to grow by 20% during the next decade.⁴ This growth is expected to come from more efficient farming techniques. One way for policy makers to support farmers in their business activities is to enact regulation that is conducive to efficient access to agricultural inputs, such as seeds, fertilizer, animal feed, veterinary medicinal products and water. Regulation should also provide rules on how to bring produce to markets and get access to credit. These issues are at the core of *Enabling the Business of Agriculture*.

Where is regulation most favorable to farmers?

The highest-scoring countries on the *Enabling the Business of Agriculture* indicators have regulation that caters to farmers' needs (table 2.1). The three top-scoring countries are member states of the European Union. France, Croatia and the Czech Republic showcase good regulatory practices as well as efficient administrative processes across a number of indicators. France has implemented robust regulations on supplying seed, registering fertilizer, securing water, sustaining livestock and protecting plant health. Croatia and the Czech Republic have efficient procedures to trade agricultural products. In both countries, exporters are not required to obtain any license or agriculture-specific documents for each export shipment, and they can apply for a phytosanitary certificate online.

Seventeen of the top 20 countries are in Europe. Yet, no country has reached the best possible regulatory benchmark on all the indicators that are measured by *Enabling the Business of Agriculture*. All governments have room to improve laws, regulations and bureaucratic processes that affect domestic farmers.



Fourteen Sub-Saharan African countries are among the 20 lowest-scoring countries. Sierra Leone, for instance, has no regulations on registering fertilizer, registering machinery, or protecting plant health.

Table 2.1 Country aggregate scores in *Enabling the Business of Agriculture*

COUNTRY	SCORE	COUNTRY	SCORE	COUNTRY	SCORE
Afghanistan	31.52	Guatemala	65.11	Panama	72.91
Angola	27.05	Guinea	33.59	Peru	61.96
Argentina	76.00	Haiti	19.51	Philippines	68.03
Armenia	67.41	Honduras	49.13	Poland	86.00
Australia	82.73	Hungary	91.77	Portugal	89.82
Austria	89.57	India	62.23	Romania	85.73
Bangladesh	44.47	Iraq	22.62	Russian Federation	72.64
Belgium	87.68	Ireland	85.77	Rwanda	41.43
Benin	32.86	Italy	87.47	Senegal	43.98
Bolivia	58.75	Japan	83.96	Serbia	81.35
Bosnia and Herzegovina	71.82	Jordan	50.23	Sierra Leone	27.70
Brazil	75.25	Kazakhstan	68.01	Slovak Republic	91.55
Burkina Faso	35.30	Kenya	64.80	South Africa	68.73
Burundi	35.76	Korea, Rep.	65.09	Spain	91.71
Cambodia	35.95	Kyrgyz Republic	72.43	Sri Lanka	50.16
Cameroon	22.29	Lao PDR	37.10	Sudan	29.27
Canada	86.50	Liberia	16.42	Sweden	85.33
Chile	66.19	Lithuania	86.34	Switzerland	87.85
China	70.29	Madagascar	36.26	Tajikistan	43.19
Colombia	81.53	Malawi	41.51	Tanzania	57.15
Congo, Dem. Rep.	29.81	Malaysia	51.68	Thailand	58.51
Côte d'Ivoire	45.87	Mali	33.70	Togo	25.42
Croatia	92.68	Mexico	69.46	Tunisia	39.52
Czech Republic	92.32	Morocco	64.02	Turkey	78.18
Denmark	86.03	Mozambique	50.97	Uganda	52.15
Dominican Republic	50.00	Myanmar	31.27	Ukraine	67.40
Egypt, Arab Rep.	47.06	Nepal	48.97	United Kingdom	88.87
Ethiopia	46.12	Netherlands	90.69	United States	88.76
Finland	86.67	New Zealand	89.30	Uruguay	65.50
France	93.70	Nicaragua	69.92	Uzbekistan	41.62
Georgia	63.53	Niger	29.39	Vietnam	61.41
Germany	89.14	Nigeria	49.17	Zambia	63.73
Ghana	50.49	Norway	84.57	Zimbabwe	48.36
Greece	88.57	Pakistan	48.87		

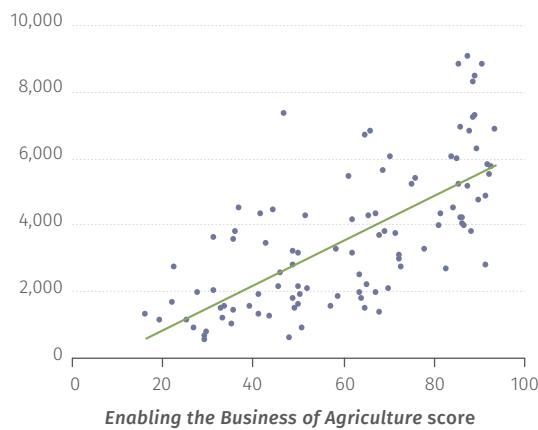
Source: *Enabling the Business of Agriculture* 2019 database.



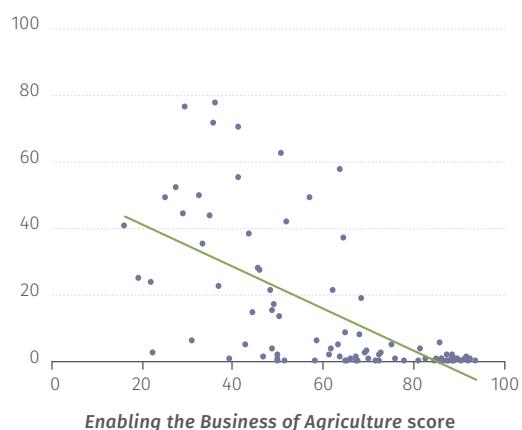
The *Enabling the Business of Agriculture* score strongly links to broader development outcomes. Countries with better regulation – as measured by *Enabling the Business of Agriculture* – have on average lower poverty rates. This reinforces the view of growth in agriculture as an effective lift out of poverty. It suggests that the efficiency gains from higher productivity translate to better incomes for farmers and more employment opportunities for the rural population. Furthermore, countries with better regulation experience on average higher rates of food security. A finding that points to the role of a supportive regulatory environment in enabling farmers to generate food surplus to commercialize (figure 2.1).

Figure 2.1 A higher *Enabling the Business of Agriculture* score is associated with better development outcomes

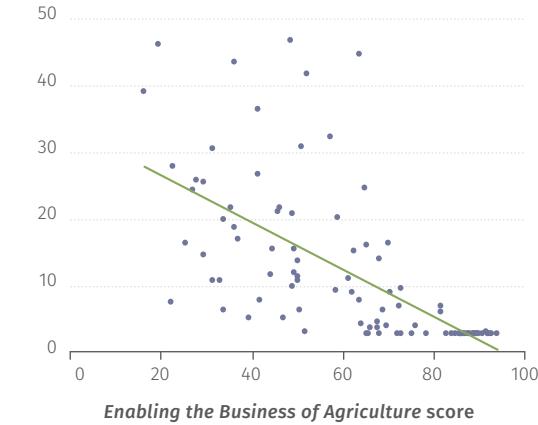
2.1 a. Cereal yield, kg/ha (WDI 2019)



2.1 b. Poverty headcount, (% of population) 2010-2017



2.1 c. Prevalence of undernourishment, % of population (WDI 2019)



Sources: *Enabling the Business of Agriculture* 2019 database; World Development Indicators (WDI) 2019.

Notes:

(2.1 a) The correlation coefficient between the *Enabling the Business of Agriculture* score and cereal yield (kg/ha) is 0.7. The relationship is significant at the 1% level after controlling for income per capita. The relationship is significant at the 1% level when both income per capita and general government expenditure in agriculture are used as control variables. Kg/ha=kilogram/hectare.

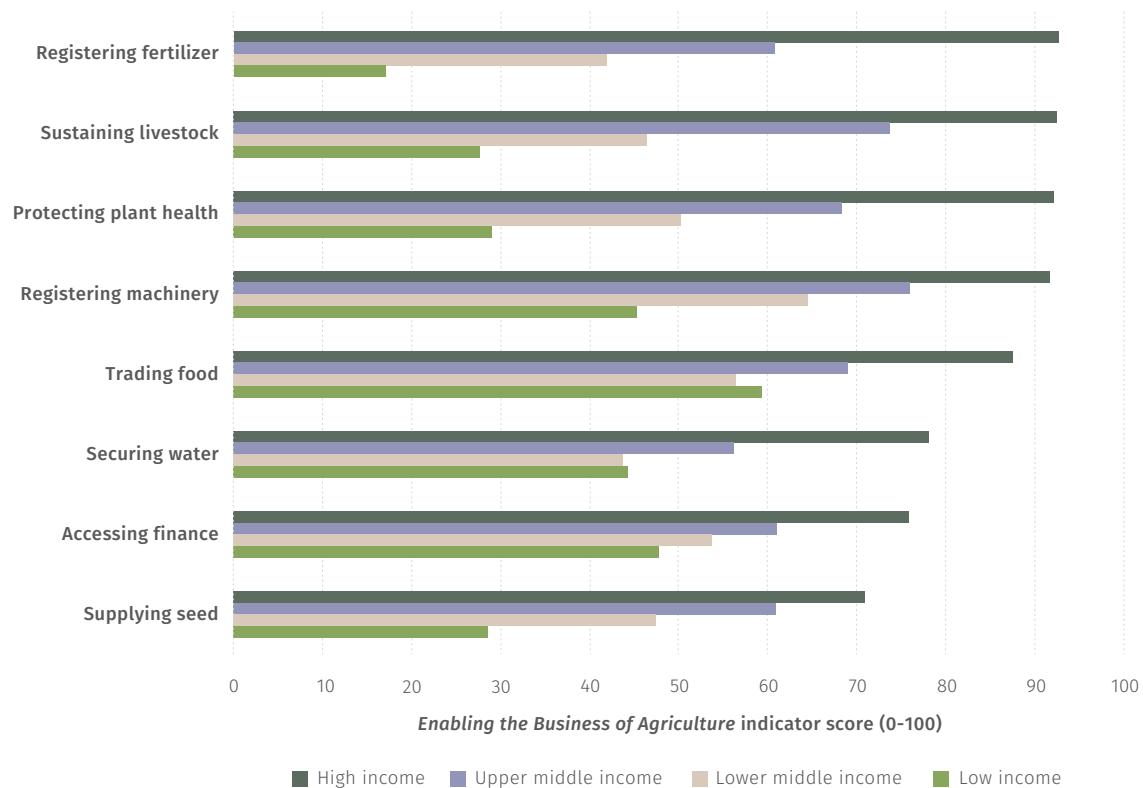
(2.1 b) The correlation coefficient between *Enabling the Business of Agriculture* score and poverty headcount is -0.6. The relationship is significant at the 1% level after controlling for income per capita.

(2.1 c) The correlation coefficient between *Enabling the Business of Agriculture* score and the prevalence of undernourishment (% of population) is -0.7. The relationship is significant at the 1% level after controlling for income per capita.

What do the *Enabling the Business of Agriculture* data show?

Across all indicators covered in this year's edition, the most efficient regulatory processes are shown in the areas of registering machinery and trading food. In contrast, regulations on seed, fertilizer and finance are the weakest. Although agriculture is the main economic activity in most low-income countries, this sector is characterized by inefficient regulation (figure 2.2).

Figure 2.2 Supplying seed is the most problematic area for farmers across all income groups



Source: Enabling the Business of Agriculture 2019 database.

Note: The figure shows average scores across eight indicators. The country sample includes 32 high-income, 19 upper-middle-income, 27 lower-middle-income and 23 low-income countries.

Low-income countries have the weakest performance on the registering fertilizer, supplying seed and sustaining livestock indicators. Livestock can be one of the most important assets for farmers in developing countries, especially for those that lack secure land tenure. Livestock not only provide nutrition to families but also help farmers—female farmers in particular—to obtain quick cash in cases of emergency or financial shocks. And animal diseases have a daunting impact on livestock farming revenues for farmers. In 1998 and 2000, Saudi Arabia and other Gulf states banned imports from Ethiopia due to an animal epidemic. As a result, the Somali Region, Ethiopia's main exporting region, experienced a 36% reduction in GDP compared to previous years.⁵

Among the low-income countries, Liberia has the least favorable regulatory environment for farmers, while Tanzania has the most favorable. In Liberia, agricultural sector growth has been constrained by inefficiencies across all areas measured by this study. Moreover, the country's agricultural production has greatly suffered since the Ebola outbreak in 2014, which shifted the government's attention to crisis management and stalled agricultural reforms. In contrast, Tanzania has the highest score on supplying seed and accessing finance among low-income countries. Within Eastern Africa, Tanzania has one of the most advanced warehouse receipt systems, enabling smallholder farmers to access credit. Warehouse receipt operators accept deposits of a wide range of crops and provide receipts to farmers through primary cooperative societies. The system is overseen by the Warehouse Receipts Regulatory Board, which facilitates access to credit for Tanzania's farmers. In Ethiopia and Uganda, warehouse receipt systems also serve as a reliable mechanism for farmers to obtain credit.

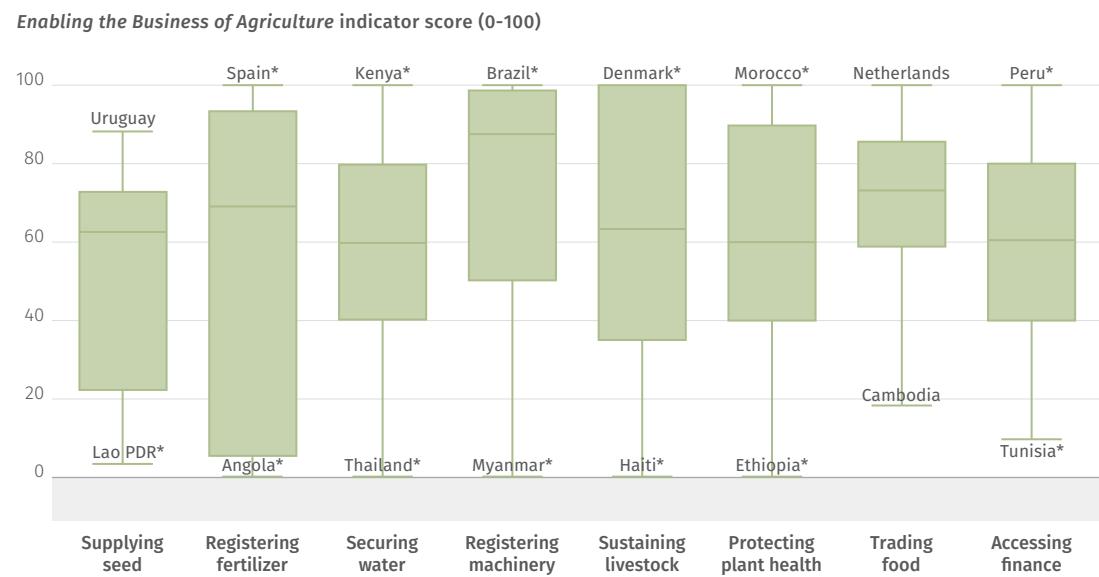


High-income countries have a supportive business environment for farmers, especially when it comes to registering fertilizer, registering machinery and protecting plant health. Many of these countries have adopted regulatory practices in response to health and safety concerns over agricultural produce. Within the high-income cohort, accessing finance and supplying seed tend to be less well-regulated areas. There are only three countries that receive the maximum score on the accessing finance indicator: Canada, Peru and United States. On the supplying seed indicator, some high-income countries like Germany and Panama lag behind their peers. In Germany, for instance, it takes almost twice as long as in Spain to register a new maize variety.

Some middle-income countries have regulation that is on par with that of top performers. Bosnia and Herzegovina, Brazil, Colombia, Romania and South Africa have put in place comprehensive regulations for water. Furthermore, Colombia, Morocco, Turkey and Ukraine are among the top performers on the protecting plant health indicator. Between 2016 and 2018, the governments of Colombia and Ukraine both published information on pests and diseases online, allowing domestic producers to more effectively manage pest outbreaks.

On certain indicators, developing countries are at the forefront of regulatory efficiency for farmers (figure 2.3). Kenya and Zambia are two of the three countries that receive the maximum score on the securing water indicator. Kenya has put in place an efficient regulation for water resources management.

Figure 2.3 Many developing countries are at the best practice frontier on the *Enabling the Business of Agriculture* indicators

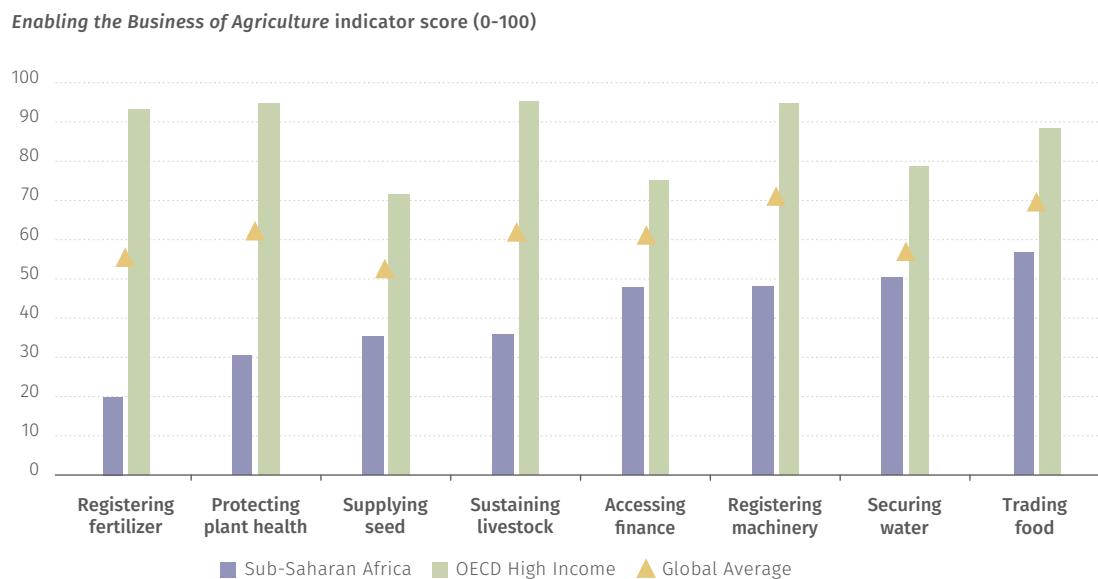


Source: *Enabling the Business of Agriculture* 2019 database.

Note: * = other sampled countries also have the same scores. Specific country examples are provided for illustrative purposes.

Farmers in Sub-Saharan Africa face the toughest bureaucratic challenges (figure 2.4). The largest regulatory and efficiency gaps are observed on the registering fertilizer (73 percentage points), protecting plant health (64 percentage points) and sustaining livestock (59 percentage points) indicators when compared with OECD high-income countries. In Sub-Saharan Africa, fertilizer application rates are low compared to other developing regions.⁶ This is detrimental since sustained agricultural growth as well as soil fertility depend on efficient usage of high-quality fertilizer. Facilitating access to high-quality fertilizer that provides balanced nutrition to crops is essential to overcome barriers in doing business in agriculture. In contrast, the lowest regulatory gaps for Sub-Saharan African countries are on the accessing finance (27 percentage points), securing water (28 percentage points) and trading food (32 percentage points) indicators.

Figure 2.4 Sub-Saharan Africa lags behind OECD high-income countries and the global average on all *Enabling the Business of Agriculture* indicators



Source: *Enabling the Business of Agriculture* 2019 database.

Note: The country sample includes 28 Sub-Saharan African countries and 28 Organization for Economic Co-operation and Development (OECD) high-income countries. The global average is based on 101 countries.

Many Sub-Saharan African countries are striving to improve the business climate for farmers. Benin, Mali, Niger, Sierra Leone and Togo have developed national regulation that legally adopts the Economic Community of West African States (ECOWAS) fertilizer guidelines.

Likewise, ECOWAS member countries have entered regional agreements to allow free circulation of new seed varieties. Sierra Leone is one of the ECOWAS countries that recently reformed its seed regulations. And in Liberia, a new seed law is in the final stage of the legislative process. Some other countries, including Kenya, are in the process of facilitating farmers' access to foreign seed varieties that are already registered abroad. By doing so they avoid the duplication of procedures and unnecessary delays. Kenya scores among the top 20 countries on the supplying seed indicator thanks to its work on improving the efficiency of seed registration.

The Europe and Central Asia region is the closest to OECD high-income countries' performance, as measured by the *Enabling the Business of Agriculture* indicators. This region scores particularly well on the registering machinery and protecting plant health indicators. In contrast, the Europe and Central Asia region lags behind OECD high-income countries in the supplying seed and securing water indicators.

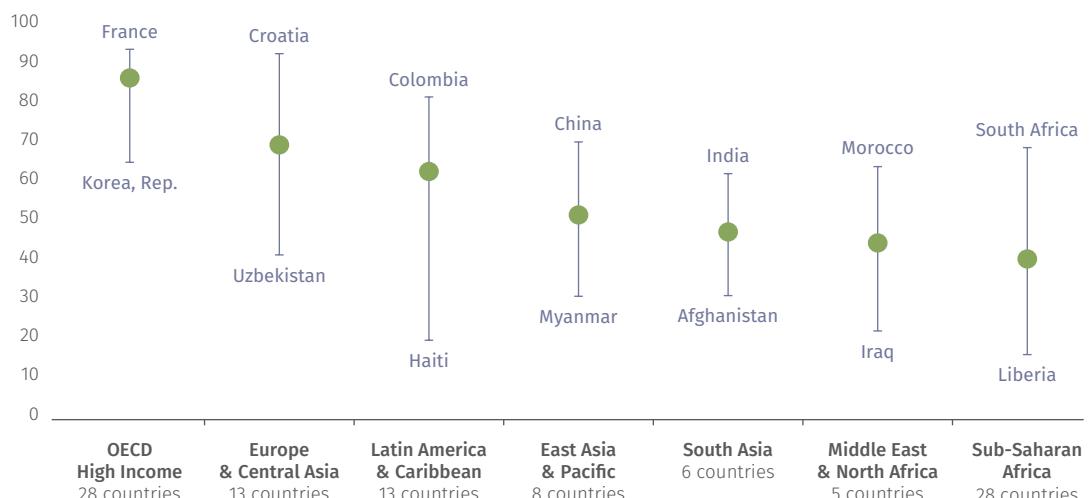
The Europe and Central Asia and Latin America and the Caribbean regions display overall strengths, but also significant variation between countries (figure 2.5). Croatia is among the 10 top performers globally, thanks to streamlined fertilizer registration procedures and the effective regulation of livestock farming inputs. Colombia is also a top performer, having strong regulation on finance, machinery and plant protection. On the other hand, countries in both regions face challenges. For example, Haiti has major opportunities for improvement in most areas measured by *Enabling the Business of Agriculture*, as do Tajikistan and Uzbekistan.

Overall, countries in the Middle East and North Africa face regulatory shortcomings. Morocco is the top performer in the region, enacting efficient machinery regulations for farmers as well as comprehensive plant protection laws.



Figure 2.5 Europe and Central Asia and Latin America and the Caribbean regions show high but uneven performance

Enabling the Business of Agriculture score, average by region



Source: *Enabling the Business of Agriculture* 2019 database.

What are recent reform trends?

There is an urgency to reform agribusiness regulation for a variety of reasons. Some countries have outdated legal provisions that do not cater to farmers' needs. Other countries have prohibitive bureaucratic obstacles that stifle agribusiness processes.

Between July 1, 2016, and June 30, 2018, 47 out of 101 countries in *Enabling the Business of Agriculture* implemented 67 regulatory reforms. More than half of the observed reforms were in the areas of supplying seed, protecting plant health and accessing finance (table 2.2). Reforms captured by the protecting plant health indicator focused mostly on pest management, with one-third of the reforming countries establishing a requirement to report pest outbreaks. Burkina Faso, Burundi, Denmark, Greece and the Republic of Korea are among the 72 countries where citizens are subject to this reporting obligation. Across regions, Sub-Saharan Africa showed the highest pace of agricultural reforms, with half of the countries in the region making it easier for farmers to do business.

Colombia, Ghana and Thailand are among the seven countries that improved the online availability of phytosanitary information, such as a regulated quarantine pest list or comprehensive information on plant pests and diseases. Kenya also started publishing its list of registered veterinary medicinal products on the website of the Pharmacy and Poisons Board. In the area of water management, Morocco now requires information on water resources to be made publicly available. Some countries also improved access to information by publishing official seed catalogues, which are now available in Burundi and Haiti. And farmers are benefiting from improved labeling requirements for fertilizer in Benin and for feed in Chile.

A number of countries have taken steps to streamline regulatory processes affecting the production and sale of agricultural products. For example, Côte d'Ivoire, the Dominican Republic and Rwanda introduced electronic applications for the submission of phytosanitary certificates. Peru introduced a new "ePhyto" system, which includes applications for phytosanitary certificates as well as their issuance and exchange with certain trading partners. Such digital processes facilitate the timely exchange of information. Several other countries improved border control procedures. In Brazil and Burundi, for instance, the law now allows phytosanitary import inspections to be risk-based, which helps target consignments that are more likely to be either harmful to plant health or non-compliant with local regulation, increasing border efficiencies and improving resource allocation.

In Kenya and Tanzania, the seed registration process is shortened when results from tests performed in pre-approved countries in the region are available. Tanzania improved its fertilizer registration process, removing the time limit formerly applied to the registration of fertilizer products. Some countries also took steps to increase the transparency of fees related to agricultural activities. Bangladesh published fee schedules for obtaining a phytosanitary certificate. The Kyrgyz Republic made tractor registration fees publicly available. Niger began to publicize costs associated with seed certification.

By involving the private sector in decision making, eight countries enabled farmers to participate in the management of agricultural processes. Bangladesh, Honduras and Kenya allowed public seed authorities to accredit third parties to perform seed certification. Likewise, Guatemala, the Lao People's Democratic Republic and Sierra Leone now require the inclusion of farmers in water resource planning.

Table 2.2 The indicators for protecting plant health recorded the most reforms in 2016-18, while Sub-Saharan African countries were the most active reformers

AREA OF REFORM	NUMBER OF REFORMS	COUNTRIES
Protecting plant health	15	Armenia, Brazil, Burkina Faso, Burundi, Colombia, Denmark, Georgia, Ghana, Greece, Korea, Rep., Nepal, Rwanda, Sri Lanka, Thailand, Ukraine
Accessing finance	13	Burundi, Georgia, Jordan, Kazakhstan, Lao PDR, Liberia, Malawi, Mexico, Pakistan, Philippines, Sri Lanka, Tajikistan, Uganda
Supplying seed	10	Bangladesh, Burundi, Haiti, Honduras, Kenya, Malaysia, Niger, Sierra Leone, Tanzania, Uruguay
Securing water	8	Armenia, Guatemala, Kenya, Korea, Rep., Lao PDR, Malawi, Morocco, Sierra Leone
Trading food	8	Bangladesh, Côte d'Ivoire, Dominican Republic, Nigeria, Peru, Rwanda, Turkey, Uganda
Sustaining livestock	7	Burkina Faso, Chile, Georgia, Kenya, Nigeria, Sierra Leone, Vietnam
Registering fertilizer	5	Armenia, Benin, Mozambique, Serbia, Tanzania
Registering machinery	1	Kyrgyz Republic

Source: *Enabling the Business of Agriculture* 2019 database.

Sub-Saharan Africa actively reforms in *Enabling the Business of Agriculture* 2019

Four Sub-Saharan African countries have substantially improved on the *Enabling the Business of Agriculture* aggregate score (table 2.3) since 2016. Sierra Leone is the top improver, with three reforms. It enacted a reform on the securing water indicator prompted by major water shortages in 2016. At that time, the country had no regulation with specific provisions on water resources management. The shortages generated a political impetus for change. In response, the Ministry of Water Resources drafted a series of three laws to provide legal tools to effectively manage water resources in the country. With regard to supplying seed, the Ministry of Agriculture, Forestry and Food Security drafted the Seed Bill. This effort was driven by the need to reach food security in a country where the agricultural sector employs more than 75% of the population.

In the absence of a formal seed regulatory agency, proper testing bodies and seed laws, Sierra Leone's farmers suffered economic losses resulting from poor quality seed that would not germinate. The 2012 Seed Bill was again reviewed in late 2016 and subsequently enacted by Parliament in 2017. This bill is the first legal document regulating the seed sector. Similarly, Sierra Leone did not have a central authority for animal feed control. However, on December 1, 2017, it passed the Food and Feed Safety Act. Its objective is to promote public health.



Table 2.3 Ten countries that improved the most on the *Enabling the Business of Agriculture* indicators between 2016 and 2018

	<i>Enabling the Business of Agriculture</i> 2019 score	Change in score	Accessing finance	Securing water	Supplying seed	Protecting plant health	Sustaining livestock	Registering fertilizer
Sierra Leone	27.70	+14.35		x	x		x	
Armenia	67.41	+13.38		x		x		x
Burundi	35.76	+9.68	x		x	x		
Mozambique	50.97	+7.45						x
Malawi	41.51	+6.68	x	x				
Georgia	63.53	+6.12	x			x	x	
Pakistan	48.87	+4.95	x					
Lao PDR	37.10	+3.75	x	x				
Sri Lanka	50.16	+3.72	x			x		
Korea, Rep.	65.09	+3.69		x		x		

Source: *Enabling the Business of Agriculture* 2019 database.

Note: Countries are selected based on how much their *Enabling the Business of Agriculture* score improved between 2016 and 2018. The score improvement is calculated using 2017 gross national income (GNI) and conversion rates to capture the effects of regulatory changes. No reforms have been recorded on the registering machinery and trading food indicators in these 10 countries.

Burundi, another top improver, also reformed in three areas measured by *Enabling the Business of Agriculture*. In 2017, Burundi revised its plant protection law with the objectives of improving the country's phytosanitary measures, its response to pest and disease outbreaks and food security, and raising farmer incomes. The new law improves the institutional structure by creating a new competent authority for plant protection tasked with conducting pest risk analysis. In addition, the law introduces a legal obligation for citizens to report pest outbreaks and undergo risk-based inspections. In the same year, Burundi also improved access to financial services by enacting a comprehensive legal framework on agent banking and electronic money. Moreover, in the seed sector, the government improved access to information on seed performance by introducing an official variety catalogue.

Malawi and Mozambique are also among the top 10 improvers. Malawi enhanced confidence in warehouse receipt financing by adopting the Warehouse Receipts Bill 2017 to clarify the obligations of parties involved in warehouse receipt operations. It also enacted new regulations on water resources management, which improved clarity in the public notice procedure of new major water use applications. In turn, Mozambique increased access to high-quality fertilizers by implementing a fertilizer registration process.

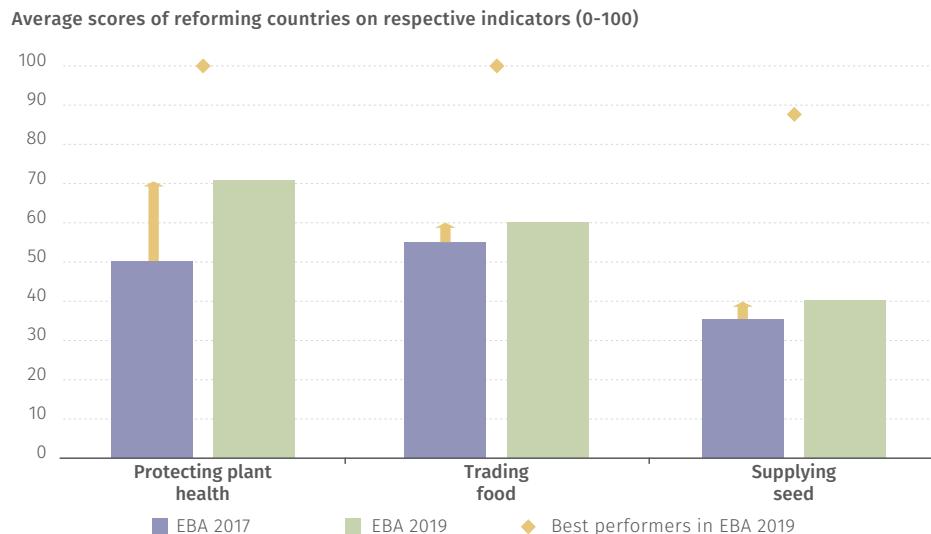
In South Asia, Pakistan improved the most in the region by establishing a comprehensive warehouse receipts system. Sri Lanka improved its plant protection regulations and introduced legislation on agent banking.

Countries across Europe and Central Asia improved significantly as well. Armenia and Georgia joined the list of the 10 top improvers. Armenia carried out several reforms. These reforms have not been easy to undertake. It took Armenia a decade to transition from only regulating the sale of fertilizer to creating a proper fertilizer registration process. And it took even longer to implement registration procedures in practice. A regulatory change came in 2014 with the adoption of the Phytosanitary Law of Armenia (Pesticides and Agrochemicals), which put in place market oversight mechanisms for fertilizers. Yet, this law was not enforced until a new decree on registration was implemented in 2016. Armenia now has a fully operational registration process for fertilizers that is managed by the State Food Safety Service of the Ministry of Agriculture, with 476 registered fertilizers listed in the online catalogue.



Despite positive changes, the reforming countries are still far from the best performers (figure 2.6).

Figure 2.6 Reforming countries still have considerable room for improvement



Source: *Enabling the Business of Agriculture* 2019 database.

Note: Averages are based on eight reforming countries for trading food, ten reforming countries on supplying seed and 15 reforming countries for protecting plant health.

What is the focus of *Enabling the Business of Agriculture* and why does it matter?

Farmers, which supply a significant portion of agricultural output, play a critical role in meeting rising food demand. Out of the 570 million farms in the world, the majority are small-scale ones, with smallholder farmers supplying about 80% of food produced in Asia, Sub-Saharan Africa and Latin America.⁷ However, constraints in access to inputs, finance, human capital and information make it difficult for smallholder farmers to grow.⁸ Further, climate change threatens agricultural productivity, causing droughts and pests in some regions. In areas where rainfall is at times inadequate, farmers need to have stable access to reliable water sources to be able to harvest and maintain livestock. In addition, barriers to market access prevent farmers from integrating into larger markets.

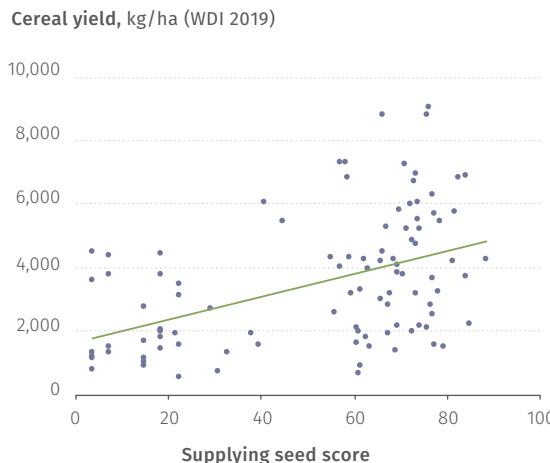
The *Enabling the Business of Agriculture* indicators measure the strength of regulation combined with their efficient implementation, which is captured through the time and cost of regulatory processes. *Enabling the Business of Agriculture* captures several important dimensions where farmers interact with and rely on government regulation. The indicators were selected in response to two basic questions. First, what are the input products and resources that farmers need to thrive? Second, for which of these inputs does regulation play an important role in supporting farmers?

Farmers use the formal system to access certain seeds at a given point in time (for example, by purchasing improved maize varieties), and the informal systems for others (for instance, by sourcing groundnut seed from local markets). And while informal seed systems offer a number of benefits to farmers, seed systems that rely solely on informal channels face challenges. Regulation that builds on the advantages in the informal seed sector in terms of genetic diversity and farmers' expertise allows the formal sector to focus on the activities for which they are best equipped.⁹ The supplying seed indicator assesses regulations as well as the time and cost of variety registration that affect the efficiency surrounding good variety release and certification processes. Indicator data analysis suggests that a better regulatory environment for varieties and seed is associated with higher agricultural productivity as measured by cereal yield (kg/ha) (figure 2.7a).

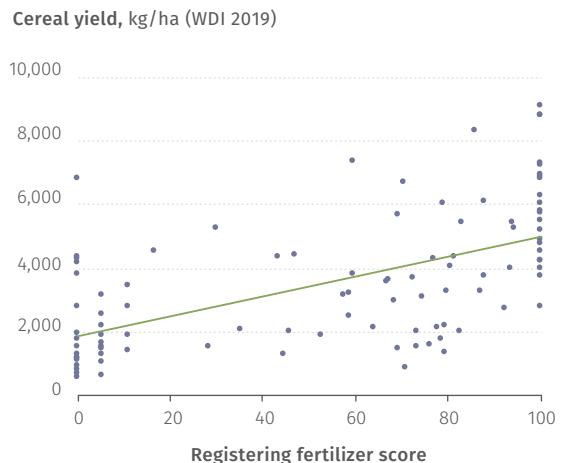


Figure 2.7 Better scores on supplying seed and registering fertilizer indicators are associated with higher cereal yields

a) Better scores on supplying seed indicator are associated with higher cereal yields



b) Better scores on registering fertilizer indicator are associated with higher cereal yields



Sources: *Enabling the Business of Agriculture* 2019 database; *World Development Indicators (WDI)* 2019.

Note: The correlation coefficient between the supplying seed score and cereal yield (kg/ha) is 0.5. The relationship is significant at the 1% level after controlling for income per capita. The correlation coefficient between the registering fertilizer score and cereal yield (kg/ha) is 0.6. The relationship is significant at the 1% level after controlling for income per capita. Kilogram/hectare= kg/ha.

Fertilizer has been credited for increasing crop yields by 40% to 60%.¹⁰ Efficient fertilizer product registration schemes facilitate the introduction of new products into markets, leading to increased fertilizer use by farmers and consequently higher yields. The registering fertilizer indicator measures the efficiency and cost of registering fertilizer as well as laws and regulations governing fertilizer registration processes. *Enabling the Business of Agriculture* data show that a better regulatory environment to register fertilizer is associated with higher agricultural productivity as measured by cereal yield (kg/ha) (figure 2.7b).

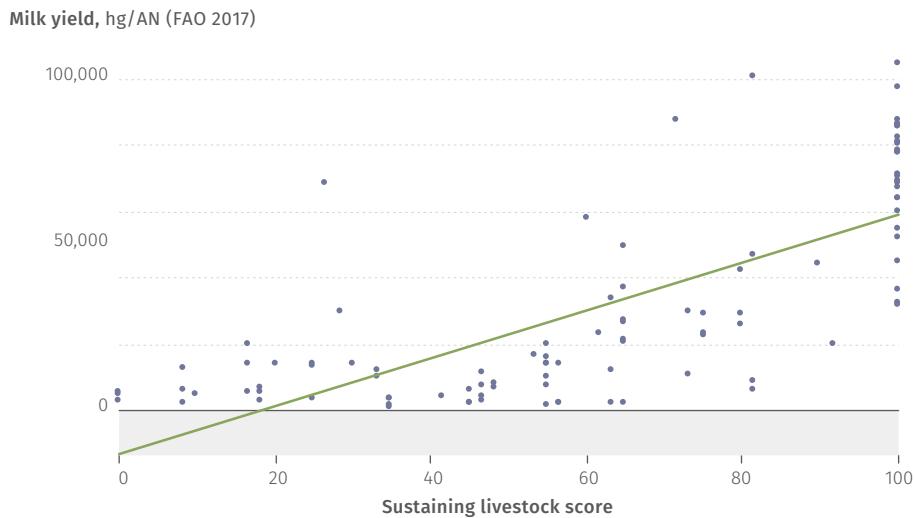
Livestock production is one of the fastest growing agricultural sectors. It remains an important mechanism for poverty reduction and gender empowerment, as livestock value chains support the livelihoods of approximately 1.7 billion poor people. On average, 68% of the poorest rural households keep farm animals.¹¹ Given the dramatic consequences of animal diseases, veterinary medicinal products are often a cost-effective method to treat and prevent animal ailments. And the control of animal diseases cannot be achieved without the availability of veterinary medicinal products. Thus, the sustaining livestock indicator measures regulation affecting farmers' access to safe, high-quality and affordable livestock farming inputs. Evidence suggests that better regulation supporting farmers' access to quality feed and veterinary medicinal products is associated with higher milk yields (figure 2.8).

Farmers depend on regulation that protects crops from pests and diseases during production. Disease outbreaks lead to crop losses, compromising the ability of farmers to produce good harvests, deliver on production contracts and comply with market standards.¹² The protecting plant health indicators measure phytosanitary legislation that helps farmers prevent pests and plant diseases. Phytosanitary legislation that helps farmers to prevent and control pest outbreaks is associated with higher agricultural productivity, as measured by cereal yield (kg/ha)¹³.

Some of the biggest increases in agricultural productivity during the past few decades have been achieved due to the introduction of agricultural machines, such as tractors. Agricultural mechanization increases productivity through improved efficiency of land cultivation. Moreover, mechanization facilitates the transition from subsistence to commercial farming. The registering machinery indicators measure the time and cost of tractor registration. The indicator data show that more efficient tractor registration procedures are associated with higher agricultural productivity, as measured by cereal yield (kg/ha).¹⁴



Figure 2.8 High-quality regulation on sustaining livestock is associated with better agricultural outputs



Sources: *Enabling the Business of Agriculture* 2019 database; Food and Agriculture Organization (FAO) 2017.

Note: The correlation coefficient between the sustaining livestock score and milk yield is 0.7. The relationship is significant at the 1% level after controlling for income per capita. hg/An=hectogram per animal.

Farmers cannot grow any crops or raise any animals without adequate water. While data on water use by farmers are limited, it is estimated that roughly 80% of all cropland relies only on rainwater to sustain crops.¹⁵ Water becomes a severe constraint for farmers when the total amount of rainfall is inadequate or the distribution of rainfall changes over time. The decision to invest in irrigation can be influenced by regulations governing farmers' access to water. The indicators are focused on two specific challenges that arise for some farmers: an inability to accurately gauge water-related risks to their farming because of a lack of available information, and a risk of getting crowded out by big water users in the future.

Streamlined procedures for agricultural trade play an important role in securing a greater quantity of food at lower prices. Agricultural markets offer business opportunities for smallholder farmers. The trading food indicators measure the total time and cost required to obtain mandatory, agriculture-specific documents for each shipment as well as other requirements and phytosanitary certification procedures.

Farmers need access to credit to purchase inputs such as seed and fertilizer, as well as to finance harvesting, processing and transporting operations. In developing countries, the most common form of collateral used for financing are immovable assets, such as land and real estate, while land tenure for many farmers is uncertain or insecure. However, some farmers may be able to rely on movable assets such as agriculture products, livestock and agricultural machinery.¹⁶ In countries where regulation recognizes and supports the use of warehouse receipts as collateral, farmers can receive a warehouse receipt as evidence of deposited goods. The purpose of the accessing finance indicators is to measure laws and regulations on warehouse receipts and inclusive finance.

Countries lack regulation to reduce gender bias and empower women in agriculture. Women are a large part of the global agricultural labor force. Yet, they do not enjoy the same rights as men. Restrictions in accessing land, owning assets such as livestock or capital, and obtaining seeds and fertilizer make it harder for women to do business in agriculture. Such constraints are often reinforced by poor laws. *Enabling the Business of Agriculture* assesses several legal constraints that women face when pursuing transactions relevant for agricultural businesses, such as signing a contract, opening a bank account or accessing credit. While there are only two countries, Cameroon and Niger, where women can't legally open a bank account in the same way as men, 54 out of 101 countries do not explicitly prohibit discrimination by creditors on the basis of sex or gender in their laws. Further, *Enabling the*



Business of Agriculture data reveal discriminatory laws, particularly regarding the application of inputs such as fertilizer. For example, in Egypt women are not allowed to work with fertilizers and insecticides. Restrictions for women to use, handle or apply agricultural inputs are also found in Angola, Ethiopia, the Kyrgyz Republic, Madagascar, the Russian Federation, and Tajikistan. Rural women can be empowered through member-based organizations such as water management organizations that can help overcome obstacles in accessing productive capital such as water, markets or finance. Encouraging women to hold leadership positions in local organizations also plays an important role in promoting gender equality. For example, Rwanda and Tanzania have legally mandated quotas in place to ensure the participation and involvement of water users and women in water management. Overall, 19 out of 101 countries establish a quota or other mechanisms in their law to promote the participation of women in water management institutions. Discriminatory laws manifest de facto gender gaps. For example, women farmers are consistently found to use less fertilizer than men.¹⁷ Bringing women's yields up to meet those of men would increase overall agricultural output in developing countries by 2.5 – 4 %.¹⁸

Countries worldwide lack key regulations to promote environmental sustainability. *Enabling the Business of Agriculture* aims to measure regulatory practices that contribute to safeguarding the long-term availability of natural resources needed for agricultural production. Farmers need a healthy environment and adequate natural resources to grow food. However, farming itself impacts water, soil, air, biodiversity and overall ecosystem health.¹⁹ Considering the crosscutting nature of environmental sustainability aspects, *Enabling the Business of Agriculture* has integrated key practices into the supplying seed, securing water and registering fertilizer indicators.

Globally, regulation needs to improve to ensure that productivity does not come at a cost for the environment. Farmers need access to water or good quality fertilizer to produce crops and maintain livestock. Fertilizer may contain traces of heavy metals, which can accumulate in the soil and pollute surface and groundwater, posing a threat to human and animal health. However, only half of countries studied set a legal maximum for heavy metal content in fertilizer.²⁰ And almost half of countries studied do not regulate the management of runoff of water with excess fertilizer, chemicals or salinity from agricultural fields.²¹

The development of adapted and improved seed varieties relies on the use of diverse plant genetic resources that can provide certain desired traits and characteristics. This means that farmers rely on biodiversity to stay productive. To preserve plant genetic resources, governments need to enact laws that provide greater legal certainty and transparency for both providers and users of genetic resources. Yet, almost half of the countries studied have not enacted laws that establish predictable conditions for access to genetic resources.²²

Agricultural activities can have a variety of positive and negative consequences on the environment (e.g. carbon sequestration, ammonia and methane emissions) that are currently not analyzed in the study. *Enabling the Business of Agriculture* does not intend to cover all the regulatory aspects addressing the impact of agriculture on natural resources. However, it is important for country scores to include an environmental sustainability component in areas where they are critical.

Successful regulatory reforms in the areas measured by *Enabling the Business of Agriculture* help farmers increase their productivity. Streamlining seed registration procedures in Bangladesh under the 1993 National Seed Policy, the precursor to the Seeds Amendment Act, increased maize yield levels. The number of registered maize varieties reached 98 and the maize yield increased by more than 180% from 1994 to 2010.²³ In Australia reforms of water information management allowed farmers to mitigate their water-related risks, especially during prolonged droughts.²⁴ Recent reforms of digitalizing information exchange led to a reduction in the time and cost of food exporting procedures. By issuing phytosanitary certificates electronically, Kenya's Health Inspectorate increased government revenues by 75% and saved exporters an estimated 72,000 kilometers in travel annually.²⁵



Notes

- 1 FAO 2018.
- 2 WDI 2017.
- 3 WDI 2018.
- 4 OECD/FAO 2018.
- 5 Nin-Pratt et al. 2005.
- 6 Morris et al. 2007.
- 7 FAO 2016.
- 8 Sheahan and Barrett 2017.
- 9 Almekinders 2000.
- 10 Hoyum 2012.
- 11 Pica-Ciamarra et al. 2015.
- 12 Strange and Scott 2005.
- 13 The correlation coefficient between protecting plant health and cereal yield (kg/ha) is 0.6. The relationship is significant at the 1% level after controlling for income per capita.
- 14 The correlation coefficient between the registering tractors score and cereal yield (kg/ha) is 0.5. The relationship is significant at the 1% level after controlling for income per capita.
- 15 FAO 2011a.
- 16 Adjognon et al. 2017.
- 17 Udry et al. 1995.
- 18 FAO 2011b.
- 19 van der Werf and Petit 2002.
- 20 Data available for 80 countries.
- 21 Data available for 80 countries.
- 22 Data available for 80 countries.
- 23 Kolady et al. 2018.
- 24 Horne 2015.
- 25 Stokes 2017.



References

Adjognon, S., L. Liverpool-Tasie, and T. Reardon. 2017. "Agricultural Input Credit in Sub-Saharan Africa: Telling Myth from Facts." *Food Policy* 67: 93–105.

Almekinders, C. 2000. "The Important of Informal Seed Sector and Its Relation with the Legislative Framework." *Technology and Agrarian Development*, Wageningen University, Netherlands.

Beaman, L., D. Karlan, B. Thuysbaert, and C. Udry. 2013. "Profitability of Fertilizer: Experimental Evidence from Female Rice Farmers in Mali." *American Economic Review* 103 (3): 381–86.

Coomes, O. T., S. McGuire, E. Garine, S. Caillon, et al. 2015. "Farmer Seed Networks Make a Limited Contribution to Agriculture? Four Common Misconceptions." *Food Policy* 56: 41–50.

FAO (Food and Agriculture Organization). 2008. *The Transformation of Agri-Food Systems: Globalization, Supply Chains and Smallholder Farmers*. Rome: FAO.

———. 2011a. *The State of the World's Land and Water Resources for Food and Agriculture: Managing Systems at Risk*. Earthscan: New York.
<http://www.fao.org/docrep/017/i1688e/i1688e.pdf>.

———. 2011b. *The State of Food and Agriculture. Women in Agriculture: Closing the gender gap for development*. Rome: FAO.

———. 2016. "Connecting Smallholders to Markets."
<http://www.fao.org/cfs/home/activities/smallholders/en/>.

———. 2018. "Global Trends in GDP, Agriculture Value Added, and Food Processing Value Added (1970 – 2016)." <http://www.fao.org/economic/ess/ess-economic/gdpagriculture/en/>.

Horne, J. 2015. "Water Information as a Tool to Enhance Sustainable Water Management—The Australian Experience." *Water* 7: 2161–83.

Hoyum, R. 2012. "Nepal Fertilizer and Nutrient Assessment Summary Report." USAID (United States Agency for International Development), Washington, DC.

Kariuki, A. N., J. M. Kihoro, and M. A. Iravo. 2019. "Networks and Market Access for Small-Scale Dairy Enterprises in Kenya: A Productive Diversification Perspective." *International Journal of Economics, Business and Management Research* 3 (1): 107–35.

Kolady, D., and A. Awal. 2018. "Seed Industry and Seed Policy Reforms in Bangladesh: Impacts and Implications." *International Food and Agribusiness Management Review* 21 (7): 989–99.

Lacroix, R., and P. Varangis. 1996. "Using Warehouse Receipts in Developing and Transition Economies." *Finance and Development* 33 (3): 36–39.

Lio, M., and M. C. Liu. 2008. "Governance and Agricultural Productivity: A Cross-National Analysis." *Food Policy* 33 (6): 504–12.

Lowder, S. K., J. Skoet, and T. Raney. 2016. "The Number, Size, and Distribution of Farms, Smallholder Farms, and Family Farms Worldwide." *World Development* 87: 16–29.

McArthur, J. W., and G. C. McCord. 2017. "Fertilizing Growth: Agricultural Inputs and their Effects in Economic Development." *Journal of Development Economics* 127: 133–52.

Middleberg, S. 2017. "Value Chain Financing: Evidence from Zambia on Smallholder Access to Finance for Mechanization." *Enterprise Development and Microfinance* 28 (1–2): 112–29.



Morris, M., V. A. Kelly, R. J. Kopicki, and D. Byerlee. 2007. "Fertilizer Use in African Agriculture: Lessons Learned and Good Practice Guidelines." World Bank, Washington, DC.

Mpuga, P. 2010. "Constraints in Access to and Demand for Rural Credit: Evidence from Uganda." *African Development Review* 22 (1): 115–48.

Nin-Pratt, A., P. Bonnet, M. Jabbar, S. Ehui, and C. De Haan. 2005. "Benefits and Costs of Compliance of Sanitary Regulations in Livestock Markets: The Case of Rift Valley Fever in the Somali Region of Ethiopia." ILRI (International Livestock Research Institute), Nairobi.

OECD/FAO (Organisation for Economic Co-operation and Development/Food and Agriculture Organization). 2018. "OECD-FAO Agricultural Outlook 2018–2027." Paris/Rome: OECD Publishing, FAO, Rome.

Onwude, D., R. Abdulstter, C. Gomes, and N. Hashim. 2016. "Mechanisation of Large-Scale Agricultural Fields in Developing Countries: A Review." *Journal of the Science of Food and Agriculture* 96 (12): 3,969–76.

Pica-Ciamarra, U., L. Tasciotti, J. Otte, and A. Zezza. 2015. "Livestock in the Household Economy: Cross-Country Evidence from Microeconomic Data." *Development Policy Review*: 33 (1): 61–81.

Pradère, J. N.d. "Impact of Animal Diseases on Meat and Milk Production in the World." OIE (World Organisation for Animal Health).
<http://www.rr-africa.oie.int/en/news/index.html>.

Prévost, D. 2010. "Sanitary, Phytosanitary and Technical Barriers to Trade in the Economic Partnership Agreements between the European Union and the ACP Countries." ICTSD Programme on EPAs and Regionalism, Chatelaine.

Rapsomanikis, G. 2015. "Small Farms Big Picture: Smallholder Agriculture and Structural Transformation." *Development* 58 (2-3): 242–55.

Rockström, J. 2000. "Water Resources Management in Smallholder Farms in Eastern and Southern Africa: An Overview." *Physics and Chemistry of the Earth, Part B: Hydrology, Oceans and Atmosphere* 25 (3): 275–83.

Sheahan, M., and C. Barrett. 2017. "Ten Striking Facts About Agricultural Input Use in Sub-Saharan Africa." *Food Policy* 67: 12–25.

Stokes, P. 2017. "Sub-Supplier Mapping – Tracing Products to the Source with a Supply Chain Social Network." SPS E-Cert Background Paper.

Strange, R. N., and P. R. Scott. 2005. "Plant Disease: A Threat to Global Food Security." *Annual Review of Phytopathology* 43 (1): 83–116.

Udry, C., J. Hoddinott, H. Alderman, and L. Haddad. 1995. "Gender Differentials in Farm Productivity: Implications for Household Efficiency and Agricultural Policy." *Food Policy* 20(5): 407–423.

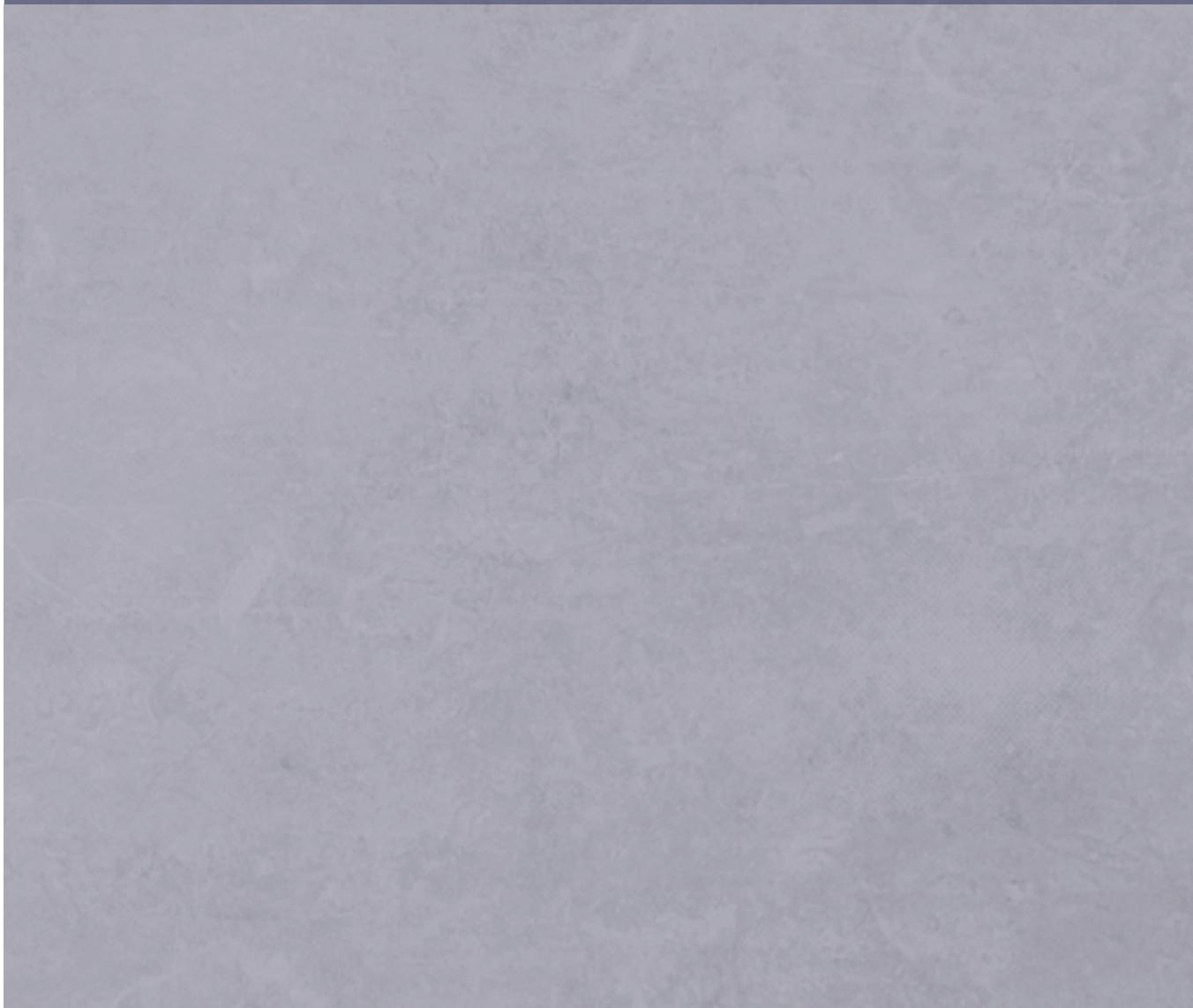
van der Werf, H. and J. Petit. 2002. "Evaluation of the Environmental Impact of Agriculture at the Farm Level: A Comparison and Analysis of 12 Indicator-Based Methods." *Agriculture, Ecosystems and Environment* 93(1-3): 131-145.

van Koppen, B., and B. Schreiner. 2019. "A Hybrid Approach to Statutory Water Law to Support Smallholder Farmer-Led Irrigation Development (FLID) in Sub-Saharan Africa." *Water Alternatives* 12 (1): 146–55.

Woodhouse, P. et al. 2017. "African Farmer-led Irrigation Development: Re-Framing Agricultural Policy and Investment?" *The Journal of Peasant Studies* 44 (1): 213–33.

Zezza, A., P. Winters, B. Davis, G. Carletto, K. Covarrubias, E. Quinones, and L. Tasciotti. 2011. "Rural Household Access to Assets and Markets: A Cross Country Comparison." *European Journal of Development Research* 23: 569–97.





03

Data Notes



Methodology

Enabling the Business of Agriculture presents indicators that measure the laws, regulations and bureaucratic processes that affect farmers in 101 countries. It covers eight indicators: supplying seed, registering fertilizer, securing water, registering machinery, sustaining livestock, protecting plant health, trading food and accessing finance.

The project collects data through questionnaires. Experts in each country fill out questionnaires, sharing their knowledge of relevant regulations and administrative processes. These specialists are identified through desk research as well as through collaboration with the World Bank Group's agriculture experts. For this report, questionnaires were administered to more than 4,000 respondents from law firms, private businesses, government agencies, nonprofit organizations and universities. In addition to the questionnaires, the team engaged with agriculture experts in several rounds of interaction by email, conference calls and in-person meetings. The team visited eight countries to verify the data and observe regulatory processes on the ground. Detailed information about the local experts who contributed to this year's study is available at <http://eba.worldbank.org>.

Once the data are collected, the team analyzes the information in conjunction with publicly available data on agency websites as well as texts of relevant laws and regulations in force as of June 30, 2018.

To allow for cross-country comparability, the team collects *Enabling the Business of Agriculture* data using the following standardized set of assumptions about a domestic farmer growing crops and cattle:

-  The farmer lives within 100 kilometers of the largest business city in the country.
-  She owns and farms less than 5 hectares of land.
-  On 90% of her land, she grows a single crop to sell.
-  In the remaining part of her land, she grows a mix of crops to feed her family.

In addition, each indicator relies on specific assumptions needed to ensure data comparability.





Supplying seed

The supplying seed indicator measures laws and regulations that support the timely release of seed for use by domestic farmers. This indicator includes: (a) the time it takes to register a new variety, (b) the cost of registering a new variety, and (c) nine legal data points assessing good practices that promote transparency and efficiency of variety release processes. For each legal data point, a score of 1 is assigned if the answer is “yes,” and a score of 0 is assigned if the answer is “no.” The aggregate indicator is a simple average of the scores of its three components, with higher values indicating better support for farmers to access high-quality seed (table 3.1).

Table 3.1 Supplying seed indicator data points and scoring methodology

DATA POINT	SCORING
a. Time to register a new cereal variety	Calendar days
b. Cost to register a new cereal variety	Percent of income per capita
c. Quality of seed regulation index	Sum of sub-questions
If a variety is already registered in another country, does the law allow it to be automatically approved for commercialization?	1/0
Are distinctiveness, uniformity and stability (DUS) testing data from foreign authorities accepted?	1/0
In practice, does the variety release committee (VRC) meet on demand or at least once per growing season?	1/0
Is there a catalogue listing registered varieties?	1/0
Is the variety catalogue updated at least once per growing season?	1/0
Can private seed companies or third parties produce “early generation seed” from public varieties?	1/0
Can private seed companies or third parties (for example, private laboratories) certify seed?	1/0
Does the national seed authority publish a fee schedule for seed certification costs?	1/0
Does the law prescribe the procedural requirements to access plant genetic materials in your country?	1/0

Information for the supplying seed indicator is collected through a questionnaire administered to seed companies, national seed associations, government authorities and academics. The information collected is validated through detailed desk reviews of the relevant laws and regulations in each country.

The supplying seed indicator relies on several assumptions about the cereal variety, namely:

- > It is a maize variety developed by the private sector and is being registered for the first time in the entire country. In countries where maize is not produced, another type of cereal is considered.
- > It has not been registered in any other country.

Time

Time is recorded in calendar days and captures the median duration of each procedure. The time span for each procedure starts with the first filing of the registration application and ends with the last procedure required to release the variety on the market, which is often the listing in the national catalogue or its publication in the official gazette. Tests that the applicant performs prior to completing an application are excluded. The minimum time for each procedure is one day. Although procedures may take place simultaneously, they cannot start on the same day (that is, simultaneous procedures start on consecutive days). The time spans for the distinctiveness, uniformity and stability (DUS) testing



and value for cultivation and use (VCU) testing are standardized according to the number of cropping seasons in a given country, and the minimum number of seasons during which each test must be performed, as noted below (table 3.2).

For countries with one cropping season per year:

- > If one season of testing is required for registration, the corresponding time span is 182 days.¹
- > If two seasons of testing are required for registration, the corresponding time span is 547 days.²

For countries with two cropping seasons per year:

- > If one season of testing is required for registration, the corresponding time span is 135 days.³
- > If two seasons of testing are required for registration, the corresponding time span is 275 days.⁴

Cost

Only official costs are recorded, including any applicable fees and taxes. In the absence of official fee schedules, the estimates provided by expert respondents are recorded and the median of the responses is taken. Professional fees (for example, notary fees) are only included if the applicant is required to use such services. All costs are recorded as percent of income per capita (using current US dollars).

Countries with no practice or no score

A country is considered “no practice” on the time and cost components if either no seed variety was registered by the private sector between July 1, 2016 and June 30, 2018, or if seed registration legislation is not yet in force or implemented. A score of 0 is recorded if a variety registration is not done in practice. Countries where government oversight of seed performance trials is not instituted but where the industry or third parties successfully undertake this function (for example, Australia, United States) are not scored.

Table 3.2 Example of a procedure list for the supplying seed indicator, Brazil

PROCEDURE	TIME	COST	AGENCY
Application for evaluation and registration	90 days	\$59	RNC
Field testing - distinctness, uniformity and stability (DUS) test	275 days*	\$0	RNC
Field testing - value for cultivation and use (VCU)	275 days*	\$0	RNC
Technical review	60 days	\$52	RNC
Approval and official release	90 days	\$155	RNC
Listing in national catalogue	30 days	\$0	RNC
Publication in the gazette	30 days	\$0	RNC
Total	576 days	\$266	

Note: National Register of Cultivars of the Ministry of Agriculture, Livestock, and Supply = RNC.

* Procedures take place simultaneously but start on consecutive days.

Reforms

The supplying seed indicator tracks biennial regulatory and procedural changes in the area of accessing good seed. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report’s reform summaries section. For the indicator’s legal component, a reform is considered to be any change in laws and regulations that leads to an improvement of a score from 0 to 1 on any of the sub-questions. For the time and cost components associated with registering a new seed variety, a reform is considered to be any decrease from the previously published data that is 10% or more. Comparable data are used to calculate the changes, eliminating any impact of variations in exchange rates and/or income per capita. For example, the publication of an official



catalogue listing varieties registered in a country would represent a reform with a one-point increase for the legal component. And reducing cost to register a new maize variety from \$500 to \$249 would be classified as a reform for the cost component. Therefore, these reforms would be acknowledged in the study. Regulatory changes that lead to a decrease in a country's score are also captured.



Registering fertilizer

The registering fertilizer indicator measures laws and regulations that help domestic farmers gain access to high-quality fertilizer. This indicator includes: (a) the time to register a new fertilizer product, (b) the cost to register a new fertilizer product, and (c) six data points on assessing laws and regulations ensuring farmers' access to high-quality, unadulterated fertilizer (table 3.3). For each legal data point, a score of 1 is assigned if the answer is "yes," and a score of 0 is assigned if the answer is "no." The aggregate indicator is a simple average of the scores on its three components, with higher values indicating better regulatory support for farmers to access high-quality fertilizer.

Table 3.3 Registering fertilizer indicator data points and scoring methodology

DATA POINT	SCORING
a. Time to register a new fertilizer product	Calendar days
b. Cost to register a new fertilizer product	Percent of income per capita
c. Quality of fertilizer regulation index	Sum of sub-questions
Must private companies register new chemical fertilizers to have them commercialized?	1/0
Is there a legal limit to the validity of fertilizer registration (in years)?	1 (No or \geq 10 years) / 0
Is there an online national catalogue listing all registered fertilizers in your country?	1/0
Under a regional fertilizer registration agreement, is a fertilizer registered in another member country free from re-registration?	1/0
Must labels contain comprehensive information on fertilizer that is in the country's official language and includes all the stipulated requirements?	1/0
Is there a maximum allowable content of heavy metals?	1/0

Information for the registering fertilizer indicator is collected through a questionnaire administered to experts from fertilizer companies, fertilizer associations and relevant government authorities, as well as farmer associations in each country. The information collected is validated through detailed desk reviews of the relevant laws and regulations in each country (table 3.4).

The registering fertilizer indicator relies on several assumptions about the fertilizer company and the registered fertilizer product, as noted below.

The fertilizer company:

- > Is a private sector company.
- > Is domestically registered in the country.
- > Imports fertilizer to sell in the local market.
- > Has registered at least one new fertilizer product in the country.

The fertilizer:

- > Is a new chemical fertilizer product.
- > Is produced in a foreign country.
- > Is registered for marketing purposes.



Time

Fertilizer registration time captures the total time it takes for a fertilizer company to register a new fertilizer product. Time is recorded in calendar days and represents a median duration for each procedure. A procedure's duration starts with the first filing of an application or a demand and ends once the company has received the final document, such as the fertilizer registration certificate. The time it takes to complete each procedure is aggregated to obtain the total time it takes to register a fertilizer. The minimum time for each procedure is one day. Although procedures may take place simultaneously, they cannot start on the same day (that is, simultaneous procedures start on consecutive days).

Cost

The registration cost includes the total cost of registering a new fertilizer product. The cost captures all the official fees and taxes associated with the relevant licenses, permits and certificates, along with their required documents. All costs are recorded as percent of income per capita (using current US dollars). Countries receive a score of 0 if they do not have a requirement to register fertilizer or if the registration is not done in practice.

Countries with no practice, not applicable or no score

A country is considered “no practice” on the time and cost components if either no fertilizer was registered between July 1, 2016 and June 30, 2018, or if an applicable fertilizer registration legislation is not implemented. “Not applicable” (N/A) is recorded in cases when fertilizer registration is not legally required. Hence, a score of 0 is assigned if fertilizer registration is not legally required or fertilizer registration is not done in practice. Countries are not scored where government oversight of fertilizer registration is not instituted but where the industry or third parties successfully undertake this function (for instance, Australia, New Zealand).

Table 3.4 Example of a procedure list for the registering fertilizer indicator, Bangladesh

PROCEDURE	TIME	COST	AGENCY
Application for registration	60 days	\$0	National Fertilizer Technical Committee
Content verification report	75 days	\$0	Bangladesh Standards and Testing Institution, BARI, BINA, BRRI, SRDI
Field testing	593 days	\$521.48	BARI, BRRI, BINA
Environmental report	30 days	\$118.52	Department of Environment
National committee approval	97 days	\$0	National Fertilizer Standardization Committee
Gazette notification	30 days	\$0	Ministry of Agriculture
Final registration for commercial sale	60 days	\$59.23	Department of Agricultural Extension
Total	945 days	\$699.23	

Note: BARI=Bangladesh Agricultural Research Institute; BINA=Bangladesh Institute of Nuclear Agriculture; BRRI=Bangladesh Rice Research Institute; SRDI=Soil Resource Development Institute.

Reforms

The registering fertilizer indicator tracks biennial regulatory and procedural changes in the area of accessing high-quality fertilizer. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reform summaries section. For the indicator's legal component, a reform is considered to be any change in laws and regulations that leads to an improvement of a score from 0 to 1 on any of the sub-questions. For the time and cost components associated with registering a new fertilizer product, a reform is any decrease from the previously published data that is 10% or more. Comparable data are used to calculate the changes,



eliminating any impact from variations in exchange rates and/or income per capita. For example, introducing a law that implements and enforces registration procedures for new fertilizer products would result in a country moving from the “no registration” category to registering fertilizer products. This change would represent a reform with a one-point increase for the introduction of registration procedures and therefore would be acknowledged in the report. Time and cost components are also recorded for the registration process. Regulatory changes that lead to a decrease in a country’s score are also captured.



Securing water

The securing water indicator measures laws and regulations that help domestic farmers make better decisions as to whether and how much to invest in irrigation for their farm. This indicator includes ten data points with key features that can help farmers to better understand their water-related investment risks and that provide opportunities to manage those risks through active engagement in processes that affect their access to water. For each data point, a score of 1 is assigned if the answer is “yes,” and a score of 0 is assigned if the answer is “no.” The aggregate indicator sums up the underlying data points and thus ranges from 0 to 10, with higher values indicating better legal support for farmers as they navigate through water investment decisions (table 3.5).

Table 3.5 Securing water indicator data points and scoring methodology

DATA POINT	SCORING
Securing water index	Sum of sub-questions
Must information about water uses be made publicly available?	1/0
Must results from ongoing water resource monitoring be made publicly available?	1/0
Must water users be represented in water resource management institutions?	1/0
Must water resource management plans be updated on a set schedule?	1/0
Must a priority order be set for allocation between different types of water uses?	1/0
Are water resource management plans binding on water allocation decisions?	1/0
Must there be a public notice and comment period before decisions on new major water extraction permits are made?	1/0
Is the length of the public notice and comment period defined?	1/0
Is there a quota or other mechanism to promote the participation of women in water resource management institutions?	1/0
Does the law specifically support the management of non-point sources of pollution?	1/0

Information for the securing water indicator is collected through a questionnaire administered to experts in irrigation, water resources management, water law and environmental law in each country. The information collected is validated through detailed desk reviews of the relevant laws and regulations in each country.

The securing water indicator relies on several assumptions about the farmer and her potential water use, as follows:

- > She is currently not irrigating her crops but is considering whether or not to invest in irrigation.
- > Her farm is not located within a current or planned collective irrigation scheme.
- > In countries that require permits for water extraction and use, the water use that she is considering falls within any relevant exemptions for small-scale water use.



Reforms

The securing water indicator tracks biennial regulatory changes in the area of irrigation investments. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reform summaries section. Any change in laws and regulations is considered a reform if it leads to an improvement of a score from 0 to 1 on any of the questions. Comparable data are used to record the changes. For example, introducing a new law that requires that water resource monitoring data must be made publicly available would represent a reform with a one-point increase and therefore would be acknowledged in the report. Regulatory changes that lead to a decrease in a country's score are also captured.



Registering machinery

The registering machinery indicator measures regulatory processes that impact the use of agricultural machinery by domestic farmers. The indicator focuses on agricultural tractors as a proxy for overall farm mechanization. In particular, the indicator focuses on: (a) the time to register a tractor and (b) the cost required to register a tractor. The aggregate indicator score is a simple average of the scores of the two components, with higher values indicating more efficient agricultural tractor registration and hence better access to mechanization for farmers (table 3.6).

Table 3.6 Registering machinery indicator data points and scoring methodology

DATA POINT	SCORING
Time to register a tractor	Calendar days
Cost to register a tractor	Percent of income per capita

Information for the registering machinery indicator is collected through a questionnaire administered to public sector experts in agricultural mechanization, as well as professionals from private agricultural machinery companies and industry associations in each country. The information collected is validated through detailed desk reviews of relevant laws and regulations.

The registering machinery indicator relies on an assumption about the agricultural tractor and its use by farmers:

- > The tractor is a two-axle, four-wheel drive agricultural tractor that is designed to furnish the power to pull, carry, propel or drive implements. All self-propelled implements are excluded.

Time

Time is recorded in calendar days and captures each procedure's median duration. Each procedure's time starts with the first filing of an application or demand and ends once the final document is received, such as the receipt of the tractor registration certificate. The minimum time required for each procedure is one day. It is assumed that a registering person or company has had no prior contact with any of the government officials.



Cost

Cost captures all the official fees associated with the tractor registration as well as costs associated with the required documents. In the absence of official fee schedules, closest estimates by expert

respondents are recorded. If several respondents provide different estimates, the median value is reported. All costs are recorded as percent of income per capita (using current US dollars). In all cases the costs exclude bribes.

Countries with no practice or not applicable

A country is considered “no practice” on the time and cost components if either no tractor was registered between July 1, 2016 and June 30, 2018, or if the applicable tractor registration legislation is not implemented. If tractor registration is not legally required, a country is recorded as “not applicable” (N/A). Hence, a score of 0 is assigned if tractor registration is not legally required or tractor registration is not done in practice.

Reforms

The registering machinery indicator tracks biennial procedural changes in the area of registering a tractor. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report’s reform summaries section. For the time and cost components associated with registering a tractor, a reform is considered to be any decrease from the previously published data that is 10% or more. Comparable data are used to calculate the changes, eliminating any impact of variations in exchange rates and/or income per capita. For example, a reduction in the cost of a new tractor registration certificate from \$200 to \$150 would be classified as a reform for the cost component. Similarly, a decrease in the time required to obtain a new tractor registration certificate from 90 to 75 days would be classified as a reform to the time component. Therefore, these reforms would be acknowledged in the report. Regulatory changes that lead to a decrease in a country’s score are also captured.



Sustaining livestock

The sustaining livestock indicator measures regulations affecting domestic farmers’ access to safe, high-quality and affordable livestock farming inputs for animal nutrition and health. The indicator includes two legal components that cover: (a) manufactured feed and (b) veterinary medicinal products.

The quality of manufactured feed index includes five data points that examine key features that ensure the availability of safe feed, give farmers information on the use of feed and provide mechanisms for the traceability of feed available in the market. The quality of veterinary medicinal products index includes six data points that: examine key features that ensure the availability of high-quality and safe veterinary medicinal products; promote the affordability of veterinary medicinal products; and provide mechanisms to report unexpected and negative reactions to veterinary medicinal products used. For each data point, a score of 1 is assigned if the answer is “yes,” and a score of 0 is assigned if the answer is “no.” The aggregate indicator score is a simple average of each of the indexes, with higher values indicating better regulatory support for farmers as they navigate through livestock farming decisions (table 3.7).



Table 3.7 Sustaining livestock indicator data points and scoring methodology

DATA POINT	SCORING
a. Quality of manufactured feed index	Sum of sub-questions
Must feed manufacturing facilities be approved before the start of operations?	1/0
Are inspections of in-use feed manufacturing facilities based on a risk assessment?	1/0
Must manufactured feed be labeled?	1/0
Must manufactured feed sold in bulk be accompanied by a document containing all mandatory labeling information?	1/0
Are feed manufacturers required to keep monitoring records?	1/0
b. Quality of veterinary medicinal products index	Sum of sub-questions
Must the veterinary medicinal products be registered to be commercialized (in non-emergency or normal situations)?	1/0
Is there a specific timeframe set by law for dossier revision?	1/0
Is there a list of officially registered veterinary medicinal products on the website of the relevant regulatory authority?	1/0
Are generic versions of a registered brand-name veterinary medicinal products allowed by law?	1/0
Is there a specified proprietary time between registration of a generic and a registered brand-name veterinary medicinal products?	1/0
Must registration holders of veterinary medicinal products have a mechanism to capture unexpected or dangerous reactions to marketed veterinary medicinal products?	1/0

Information for the sustaining livestock indicator is collected through two separate questionnaires on manufactured feed and veterinary medicinal products. The manufactured feed questionnaire is administered to animal nutrition and feed manufacturing experts. The veterinary medicinal products questionnaire is administered to manufacturers, importers, lawyers and regulators. The information collected is validated through detailed desk reviews of the relevant laws and regulations in each country.

The sustaining livestock indicator relies on several assumptions about the farmer and the veterinary medicinal products, as noted below.

The farmer:

- > Raises dairy cattle.
- > Feeds cattle using purchased feed from commercial entities and feed produced on the farm.
- > Uses antiparasitic and antimicrobial drugs to treat infections.
- > Is yet to vaccinate some cattle for common diseases.
- > Commercializes 90% of the milk produced through a producer organization and uses 10% for self-consumption.

The veterinary medicinal products:

- > Is intended specifically for farm animals.
- > Is not intended specifically for inclusion in animal feed.

Reforms

The sustaining livestock indicator tracks biennial regulatory changes in terms of accessing high-quality, livestock farming inputs, including manufactured feed and veterinary medicinal products. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reform summaries section. A reform is considered to be any change in laws and

regulations that leads to an improvement of a score from 0 to 1 on any of the sub-questions. Comparable data are used to record the changes. For example, introducing a law that requires the approval of feed manufacturing facilities prior to the start of operations would represent a reform with a one-point increase. Therefore, this reform would be acknowledged in the report. Regulatory changes that lead to a decrease in a country's score are also captured.



Protecting plant health

The protecting plant health indicator measures phytosanitary legislation that helps domestic farmers prevent and control pests and plant diseases as well as improve access to markets. This indicator includes five data points on domestic pest management measures and phytosanitary controls at the border. The indicator captures the accessibility of pest information, reporting obligations, quarantine pest lists, pest risk analysis and risk-based inspections. For each data point, a score of 1 is assigned if the answer is "yes," and a score of 0 is assigned if the answer is "no." The aggregate indicator sums up all the underlying data points and thus ranges from 0 to 5, with higher values indicating stronger legal and regulatory support for farmers to manage pest risks and meet phytosanitary standards in destination markets (table 3.8).

Table 3.8 Protecting plant health indicator data points and scoring methodology

DATA POINT	SCORING
Quality of phytosanitary regulation index	Sum of sub-questions
Can comprehensive information on plant pests and diseases that includes 1) pictures, 2) host information, 3) current status and 4) control methods, be obtained on a government website?	1/0
Must landowners/users report pest outbreaks to the government and are there any penalties associated with non-compliance?	1/0.5 if there is obligation but no penalties/0
Is there a publicly-available list of regulated quarantine pests?	1/0
Is there a designated government agency tasked with conducting pest risk analysis (PRA) for imports of plant products?	1/0
Are risk-based phytosanitary import inspections allowed?	1/0

Information for the protecting plant health indicator is collected through a questionnaire administered to government agencies responsible for plant protection and other experts on phytosanitary issues in each country. The information collected is validated through detailed desk reviews of relevant laws and regulations.

Reforms

The protecting plant health indicator tracks biennial regulatory changes related to the prevention of pests and plant diseases. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reforms summaries section. A reform is considered to be any change in laws and regulations that leads to an improvement of a score from 0 to 1 on any of the questions. Comparable data are used to record the changes. For example, introducing a law that designates a government agency to conduct pest risk analysis would represent a reform with a one-point increase and therefore would be acknowledged in the report. Regulatory changes that lead to a decrease in a country's score are also captured.





Trading food

The trading food indicator measures laws and regulations that help domestic farmers trade agricultural products to markets. The indicator has three components, namely: (a) the total time required to obtain mandatory, agriculture-specific documents for each shipment, (b) the total cost to obtain mandatory, agriculture-specific documents for each shipment, and (c) seven data points on license and membership requirements and phytosanitary certification procedures. For each data point under component (c), a score of 1 is assigned if the answer is “yes,” and a score of 0 is assigned if the answer is “no.” The aggregate indicator score is a simple average of the scores of the three components, with higher values indicating more efficient agricultural export procedures (table 3.9).

Table 3.9 Trading food indicator data points and scoring methodology

DATA POINT	SCORING
a. Time to obtain agriculture-specific export documents	Hours
b. Cost to obtain agriculture-specific export documents	US\$
c. Trading food index	Sum of sub-questions
Are exporters of agricultural products free from the requirement to obtain trader-level licenses or memberships?	1/0
Can exporters apply for a phytosanitary certificate online?	1/0
Is there an ePhyto system in place to generate, issue and exchange certificates online?	1/0
Can phytosanitary certificates be issued on-site where goods are located?	1/0
Is the phytosanitary certificate fee publicly available?	1/0
Can a producer organization be established without a minimum capital requirement?	1/0
Can a woman legally sign a contract in the same way as a man?*	1/0

* Source: *Women, Business and the Law 2018* data are used as secondary data.

Information for the trading food indicator is collected through a questionnaire administered to private sector agribusinesses engaged in exporting agricultural products, and trade/export associations, as well as government agencies responsible for agricultural trade and specific agricultural products in each country. The information collected is validated through detailed desk reviews of relevant laws and regulations in each country.

The trading food indicator relies on several assumptions about an agricultural exporter and an export transaction, as follows:

- > An agricultural exporter can be a producer organization or any other type of an applicable legal entity. It performs general agricultural trading activities and does not operate in a special export processing zone.
- > A product is the country’s most exported agricultural product.
- > A trading partner is the largest purchaser of the export product.⁵
- > An export shipment is transported from a warehouse located in the country’s main business city.
- > An export shipment weighs 15 metric tons and is valued at \$50,000. It is packed with the most widely used method. All packing materials that require fumigation (such as wood pallets) are assumed to be treated and marked with an approved international seal certifying that treatment.



Time

Time is recorded in hours and captures the median duration to obtain the required documents to export on a per shipment basis, taking into account any simultaneity. Time to complete membership

requirements or to obtain trader-level licenses is not measured. A timeframe for each document starts with the first filing of an application or demand, and ends once the company has received the final desired document, such as the receipt of the phytosanitary certificate. It is assumed that a company's owners, managers and/or employees did not have any prior contact with government officials (table 3.10).

Cost

The cost includes all official fees as well as fees for legal or professional services if such services are required by law to obtain the mandatory documents. Costs are reported in U.S. dollars. Respondents are asked to convert local currency into U.S. dollars based on the exchange rate of the day they answer the questionnaire. If several respondents provide different estimates, the median reported value is recorded. Traditional (scheduled) border taxes/tariffs are not captured. Other special charges or taxes that apply to a selected product or an export of agricultural products in general are included only when they result in the issuance of a standalone mandatory export document, or are conditional to obtaining another mandatory export document. In all cases the cost excludes bribes.

Table 3.10 Example of an trading food indicator procedure list, Colombia

PROCEDURE	TIME	COST	AGENCY
Obtain a phytosanitary certificate	36 hours	\$35	ICA
Obtain a quality certificate	36 hours*	\$50	National Coffee Exporters' Federation
Total	36 hours	\$85	

Note: ICA= Instituto Colombiano Agropecuario.

*Procedures take place simultaneously.

Reforms

The trading food indicator tracks biennial regulatory and procedural changes related to the trade of agricultural products to markets. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reform summaries section. For the indicator's legal component, a reform is considered to be any change in laws and regulations that leads to an improvement of a score from 0 to 1 on any of the questions. For the time and cost components associated with export documents, a reform is considered to be any decrease from the previously published data that is 10% or more. For example, introducing an online application for phytosanitary certificates would represent a reform with a one-point increase on the trading food index. Reducing the time required to obtain mandatory, agriculture-specific export documents from 100 hours to 48 hours through a new single window would be classified as a reform on the time component. Therefore, these reforms would be acknowledged in the report. Regulatory changes that lead to a decrease in a country's score are also captured.



Accessing finance

The accessing finance indicator measures laws and regulations on the use of warehouse receipts and inclusive finance. For domestic farmers who may not have traditional immovable collateral, warehouse receipt financing can be an effective tool to access credit. Strong laws and regulations protect the rights of both depositors and lenders, facilitating the enforceability of securities and making warehouse receipts attractive collateral. For each data point, a score of 1 is assigned if the answer is "yes," and a score of 0 is assigned if the answer is "no." The aggregate indicator score is a simple average of each of the indexes with higher values indicating better regulatory support for farmers accessing finance (table 3.11).



Table 3.11 Accessing finance indicator data points and scoring methodology

DATA POINT	SCORING
a. Warehouse receipts index	Sum of sub-questions
Is there a law regulating the operation of warehouse receipts?	1/0
Must warehouse operators provide any of the following performance guarantees?	
a. File a bond with a regulator	
b. Pay into an indemnity or guarantee fund to secure performance of obligations	1 if any /0 if none
c. Insure a warehouse or stored goods against damage	
Can warehouse receipts be negotiable?	1/0
Are electronic warehouse receipts legally recognized?	1/0
Must warehouse receipts contain information on security interests over the goods?	1/0
b. Inclusive finance index	Sum of sub-questions
Does the law allow licensed deposit-taking MFIs in your country?	1/0
Is there a law regulating agent banking activities in your country?	1/0
Can non-financial institution businesses (i.e. businesses that do not hold any financial institution license) issue e-money in your country?	1/0
Can a woman legally open a bank account in the same way as a man?*	1/0
Does the law prohibit discrimination by creditors on the basis of sex or gender?*	1/0

* Source: *Women, Business and the Law 2018* data are used as secondary data.

Information for the accessing finance indicator is collected through a questionnaire administered to financial lawyers in each country. The information collected is validated through detailed desk reviews of the relevant laws and regulations in each country.

Reforms

The accessing finance indicator tracks biennial regulatory changes related to the ease of using warehouse receipts as collateral to access credit and inclusive finance. Depending on the data impact, certain changes between July 1, 2016 and June 30, 2018 are classified as reforms. To acknowledge the implementation of significant changes, the reforms captured by the indicator are listed in the report's reform summaries section. A reform is considered to be any change in laws and regulations that leads to an improvement of a score from 0 to 1 on any of the questions. Comparable data are used to record the changes. For example, introducing legal provisions that require warehouse receipts to contain information about security interests would represent a reform with a one-point increase on the warehouse receipts index and therefore would be acknowledged in the report. Regulatory changes that lead to a decrease in a country's score are also captured.





Indicator and aggregate scores

Enabling the Business of Agriculture presents indicator scores that aggregate individual data points to benchmark countries against regulatory good practices that affect farmers. The indicator scores assess a country's absolute performance level and can be used to track improvements over time (table 3.12). Calculating the indicator score for each country involves two main steps, as noted below:

- > First, individual components are normalized to a common unit where each component (y) is rescaled using linear transformation $(\text{worst}-y)/(\text{worst}-\text{best})$. For legal components, the best performance is set at the highest possible score, even if no country currently obtains that score. The worst performance score is the worst value recorded. For efficiency components, the best performance is set by the highest performing country and a score of 0 is assigned in cases of "no practice" (see <http://eba.worldbank.org> for details). To mitigate the effects of extreme outliers in the distributions of the rescaled data for efficiency components, the worst performance is calculated after the removal of outliers. The definition of outliers is based on the distribution for each component. To simplify the process, the 95th percentile is used for the components with the most dispersed distributions (including the time and cost). No outlier is removed for legal component scores.
- > In the second step, component scores are aggregated through simple averaging to obtain one indicator score. All the component scores are equally weighted. A country's indicator score ranges from 0 to 100, where 0 represents the worst performance and 100 represents the best performance. The difference between a country's indicator score between report years illustrates the extent to which the country has improved over time.

Indicator scores can be used to examine differences among countries in the same region or income group. *Enabling the Business of Agriculture* uses the World Bank Group's regional and income group classifications.⁶ While the World Bank Group does not assign regional classifications to high-income countries, regional averages presented in figures and tables in *Enabling the Business of Agriculture* include countries from all income groups. For the report, high-income Organisation for Economic Co-operation and Development (OECD) countries are assigned the "regional" classification as OECD high income. *Enabling the Business of Agriculture* reports income per capita as published in the World Bank's *World Development Indicators* for the respective year. Income is calculated using the Atlas method (in current U.S. dollars). For the supplying seed, registering fertilizer, registering machinery cost indicators expressed as a percentage of income per capita, 2018 gross national income (GNI) per capita in current U.S. dollars is used as the denominator.

Notes

1 Time is based on the average growing time for medium-maturing varieties of maize in a country with one cropping season. A cropping season in a country with one season per calendar year tends to last longer than one in a country with two seasons per year.

2 Time includes the 365 days of a full calendar year and an additional season of tests corresponding to 182 days.

3 Time is based on the average growing time for medium-maturing varieties of maize in a country with two cropping seasons.

4 Time includes two seasons of 135 days and 5 days between seasons to plow and prepare the land for the next season of tests.

5 Agricultural products are defined as plant-based agricultural products according to the Harmonized Commodity Description and Coding System 1996 version, including vegetables, fruits, coffee, tea, cereals, oil seeds, sugar, cocoa, tobacco and cotton (HS 07, 08, 09, 10, 12, 17, 18, 24, 52). To identify the trading partner and the export product for each country, the project team collected data on trade flows for 2009–12 from international databases such as the United Nations Commodity Trade Statistics Database (UN Comtrade). For countries for which trade flow data were not available, data from ancillary government sources (various ministries and departments) and World Bank Group country offices were used to identify the export product and natural trading partners.

6 Available at <http://data.worldbank.org/about/country-and-lending-groups>.



Table 3.12 Which countries set the best regulatory performance?

INDICATOR	COUNTRY ESTABLISHING BEST REGULATORY PERFORMANCE	BEST REGULATORY PERFORMANCE	WORST REGULATORY PERFORMANCE
Supplying seed			
Time to register a new cereal variety (calendar days)	France ^a ; Myanmar ^b	236 ^a ; 147 ^b	932 ^c ; 822 ^d
Cost to register a new cereal variety (% of income per capita)	Georgia ^a ; Kazakhstan ^a ; Nepal ^a ; Russian Federation ^a ; Dominican Republic ^b ; Sri Lanka ^b	0.0 ^a ; 0.0 ^b	48.3 ^c ; 794.6 ^d
Quality of seed regulation index (0-9)	Denmark; Germany; Spain ^e	9	1 ^f
Registering fertilizer			
Time to register a new fertilizer product (calendar days)	Uruguay	11 ^g	886 ^h
Cost to register a new fertilizer product (% of income per capita)	Armenia; China; Croatia ⁱ	0.0	539.1 ^h
Quality of fertilizer regulation index (0-6)	Austria; Belgium; Switzerland ⁱ	6	0 ^f
Securing water			
Securing water index (0-10)	Brazil; Kenya; Zambia	10	0 ^f
Registering machinery			
Time to register a tractor (calendar days)	Finland; Morocco; South Africa ^k	1	19 ^h
Cost to register a tractor (% of income per capita)	Brazil; China; Japan; Mexico; Norway	0.0	0.3 ^h
Sustaining livestock			
Quality of manufactured feed index (0-5)	Ireland; Turkey; Vietnam ^l	5	0 ^f
Quality of veterinary medicinal products index (0-6)	New Zealand; Sweden; United States ^m	6	0 ^f
Protecting plant health			
Quality of phytosanitary regulation index (0-5)	Chile; Colombia; Ukraine ⁿ	5	0 ^f
Trading food			
Time to obtain agriculture-specific export documents (hours)	Canada; Italy; United Kingdom ^o	0	144 ^h
Cost to obtain agriculture-specific export documents (US\$)	Germany; Portugal; Romania ^p	0	195 ^h
Trading food index (0-7)	Chile; Netherlands; Peru	7	2 ^f
Accessing finance			
Warehouse receipts index (0-5)	Côte d'Ivoire; Ethiopia; India ^q	5	0 ^f
Inclusive finance index (0-5)	Greece; Poland; Lithuania ^r	5	1 ^f

Source: *Enabling the Business of Agriculture* 2019 database.

Notes: a. For countries with one cropping season.

b. For countries with two cropping seasons.

c. Worst performance is defined as the 95th percentile among all countries with one cropping season in the *Enabling the Business of Agriculture* sample.

d. Worst performance is defined as the 95th percentile among all countries with two cropping seasons in the *Enabling the Business of Agriculture* sample.

e. Another 12 countries score 9 out of 9 on the quality of seed regulation index.

f. Worst performance is the worst value recorded.

g. The best regulatory performance for time to register a new fertilizer product is 11 days. However, the time to register a new fertilizer product is recorded as 0 days for countries within the European Union, where no additional registration is needed for products that are already registered in the European Commission catalogue.

h. Worst performance is defined as the 95th percentile among all countries in the *Enabling the Business of Agriculture* sample.

i. In another 22 countries it costs 0% of income per capita to register a new fertilizer product.

j. Another 19 countries score 6 out of 6 on the quality of fertilizer regulation index.

k. In another 27 countries it also takes one day to register a tractor.

l. Another 28 countries score 5 out of 5 on the quality of manufactured feed index.

m. Another 29 countries score 6 out of 6 on the quality of veterinary medicinal products index.

n. Another 21 countries score 5 out of 5 on the quality of phytosanitary regulation index.

o. In another 20 countries it also takes 0 hours to obtain mandatory, agriculture-specific documents required to export.

p. In another 24 countries it also costs \$0 to obtain mandatory, agriculture-specific documents required to export.

q. Another 12 countries score 5 out of 5 on the warehouse receipts index.

r. Another 28 countries score 5 out of 5 on the inclusive finance index.



04

Summaries of *Enabling the Business of Agriculture* Reforms between 2016 and 2018



- ✓ A reform that enables farmers to do business in agriculture
- ✗ A change that makes it more difficult for farmers to do business in agriculture

ARMENIA

- ✓ **Registering fertilizer**
Armenia increased access to high-quality fertilizers by streamlining fertilizer registration for imported fertilizer products.
- ✓ **Securing water**
Armenia introduced a set schedule for periodically updating its water plans to ensure they remain up-to-date with current realities.
- ✓ **Protecting plant health**
Armenia made pest management easier by publishing comprehensive information on plant pests and diseases on the State Service for Food Safety website.

BANGLADESH

- ✓ **Supplying seed**
Bangladesh enacted a new seed act that provides tools to improve the country's capacity to certify seed by allowing the government to delegate seed certification activities to third parties including to the private sector.
- ✓ **Trading food**
Bangladesh made it easier to trade agricultural products by publishing the official fee schedule of phytosanitary certificates both online and in the legislation.

BENIN

- ✓ **Registering fertilizer**
Benin improved fertilizer quality control by legally requiring all fertilizer containers to be labeled in the country's official language.

BRAZIL

- ✓ **Protecting plant health**
Brazil improved its plant protection systems by introducing risk-based phytosanitary import inspections in the law.

BURKINA FASO

- ✓ **Sustaining livestock**
Burkina Faso increased safety controls for feed manufacturing by requiring the approval and inspection of manufacturing facilities prior to the start of operations.
- ✓ **Protecting plant health**
Burkina Faso strengthened its plant protection by introducing a new law that obligates land owners and users to report pest outbreaks.

BURUNDI

- ✓ **Supplying seed**
Burundi improved the access to information on varietal availability by introducing an official variety catalogue that lists varieties registered in the country.
- ✓ **Protecting plant health**
Burundi improved its phytosanitary legislation by introducing a new law that requires citizens to report pest outbreaks, designates a specific agency to conduct pest risk analyses and allows risk-based phytosanitary import inspections.
- ✓ **Accessing finance**
Burundi enacted laws on agent banking and electronic money. It improved access to finance by allowing non-bank financial institutions to issue e-money.



CHILE

✓ **Sustaining livestock**

Chile increased the quality control of manufactured feed by requiring that all unpacked feed sold in bulk be accompanied by labelling information.

COLOMBIA

✓ **Protecting plant health**

Colombia made pest management easier by publishing comprehensive information on plant pests and diseases on the Instituto Colombiano Agropecuario website.

CÔTE D'IVOIRE

✓ **Trading food**

Côte d'Ivoire made it easier to trade agricultural products by introducing an online application for phytosanitary certificates.

DENMARK

✓ **Protecting plant health**

Denmark improved its phytosanitary legislation by introducing legal obligations for citizens to report pest outbreaks and imposing penalties associated with non-compliance.

DOMINICAN REPUBLIC

✓ **Trading food**

The Dominican Republic made it easier to trade agricultural products by introducing an online application for phytosanitary certificates.

GEORGIA

✓ **Sustaining livestock**

Georgia enhanced safety controls for feed manufacturing facilities, which now must be approved prior to the start of operations. Feed manufacturers are now required to maintain monitoring records and include specific information on marketed feed labels.

✓ **Protecting plant health**

Georgia improved its phytosanitary legislation by introducing penalties for the failure to report pest outbreaks.

✓ **Accessing finance**

Georgia introduced a law on agent banking. Georgia also improved access to finance by legally requiring the ring-fencing of the funds of electronic money customers.

GHANA

✓ **Protecting plant health**

Ghana improved its plant protection regulation by introducing a list of regulated quarantine pests and making it available on the International Plant Protection Convention (IPPC) website.

GREECE

✓ **Protecting plant health**

Greece improved its phytosanitary legislation by introducing legal obligations for citizens to report pest outbreaks and imposing penalties associated with non-compliance.

GUATEMALA

✓ **Securing water**

Guatemala enacted a new regulation to require the involvement of water users in water resources management processes.



HAITI

✓ Supplying seed

Haiti improved the access to information on varietal availability by introducing an official variety catalogue that lists the varieties available in the country.

HONDURAS

✓ Supplying seed

Honduras strengthened the public sector's capacity to implement seed certification by allowing the accreditation of third parties for the performance of certification activities.

INDIA

✗ Registering machinery

India made tractor registration less affordable for farmers by considerably increasing the official tractor registration fees in 2016.

KAZAKHSTAN

✓ Accessing finance

Kazakhstan improved access to credit by legally recognizing warehouse receipts in electronic form.

KENYA

✓ Supplying seed

Kenya improved its seed sector by enacting a reform that facilitates the regional circulation of registered seed and private sector support of the public sector's certification capacity.

✓ Securing water

Kenya's new water law requires that water resources plans must be updated on a set schedule.

✓ Sustaining livestock

Kenya increased access to information by publishing a list of officially registered veterinary medicinal products on the website of the relevant regulatory authority.

KOREA, REP.

✓ Securing water

Korea required that gender balance must be considered when appointing members of the national and local water resources management committees.

✓ Protecting plant health

Korea improved its phytosanitary legislation by introducing legal obligations for citizens to report pest outbreaks and by imposing penalties associated with non-compliance.

KYRGYZ REPUBLIC

✓ Registering machinery

The Kyrgyz Republic made tractor registration more affordable for farmers by lowering registration costs.

LAO PDR

✓ Securing water

Lao PDR's new water law provides a more comprehensive basis for making water information publicly available and involving water users in water management.

✓ Accessing finance

Lao PDR improved access to finance by allowing non-bank financial institutions to issue electronic money.



LIBERIA

✓ Accessing finance

Liberia improved access to finance by introducing laws on agent banking.

MALAYSIA

✓ **Supplying seed**

Malaysia's technical committee in charge of seed registration is now meeting more frequently in response to an increase in the volume of applications, resulting in a reduction of the time to release a new variety.

MALAWI

✓ **Accessing finance**

Malawi enhanced confidence in warehouse receipt financing by adopting a regulation establishing the rights and obligations of all parties involved in warehouse receipt operations.

✓ **Securing water**

Malawi improved clarity in its public notice procedures by setting a required length that new major water use applications must be publicized.

MEXICO

✓ **Accessing finance**

Mexico enacted its first law on electronic money which includes licensing requirements for non-bank e-money issuers.

MOROCCO

✓ **Securing water**

Morocco made water resources management more transparent for water users by requiring information on water resources to be made publicly available.

MOZAMBIQUE

✓ **Registering fertilizer**

Mozambique increased access to high-quality fertilizers by implementing a fertilizer registration process that consists of an application and National Committee approval.

NEPAL

✓ **Protecting plant health**

Nepal made pest management easier by publishing comprehensive information on plant pests and diseases on the Regional Plant Protection Laboratory website.

NIGER

✓ **Supplying seed**

Niger improved the transparency of costs associated with its seed quality assurance system by introducing an official fee schedule for certification activities performed by the seed authority.

NIGERIA

✓ **Sustaining livestock**

Nigeria made its livestock manufacturing processes safer by requiring facilities to be approved prior to the start of operations, and by requiring that monitoring records be kept.

✓ **Trading food**

Nigeria made it easier to trade agricultural products by publishing the official fee schedule of phytosanitary certificates both online and in the legislation.

PAKISTAN

✓ **Accessing finance**

Pakistan created new financing opportunities for agribusinesses by establishing a comprehensive regulation for warehouse receipts.



PERU

✓ **Trading food**

Peru made it easier to trade agricultural products by introducing an ePhyto system.

PHILIPPINES

✓ **Accessing finance**

The Philippines improved access to finance by introducing laws on agent banking.

RWANDA

✓ **Protecting plant health**

Rwanda improved its phytosanitary legislation by designating a specific agency to conduct pest risk analysis.

✓ **Trading food**

Rwanda made it easier to trade agricultural products by introducing an online application for phytosanitary certificates.

SERBIA

✓ **Registering fertilizer**

Serbia introduced a ceiling of maximum allowable content of heavy metals in fertilizers used in the country.

SIERRA LEONE

✓ **Supplying seed**

Sierra Leone strengthened its seed sector by enacting a seed law that establishes a registration process and includes a quality assurance system.

✓ **Securing water**

Sierra Leone's newly enacted water law requires the public availability of water information and the involvement of water users (including women) in water management.

✓ **Sustaining livestock**

Sierra Leone now regulates its feed manufacturing sector by approving manufacturing facilities, conducting inspections of the facilities, and ensuring manufacturers keep monitoring records.

SRI LANKA

✓ **Protecting plant health**

Sri Lanka improved its plant protection regulation by uploading the list of regulated quarantine pests on the International Plant Protection Convention (IPPC) website.

✓ **Accessing finance**

Sri Lanka improved access to finance by enacting legislation on agent banking.

TAJIKISTAN

✗ **Trading food**

Tajikistan made it more difficult to trade agricultural products by no longer publishing the official fee schedule of phytosanitary certificates on the government website.

TANZANIA

✓ **Supplying seed**

The Seed (Amendment) regulations, enacted in Tanzania in 2017, improved variety registration by introducing practices that favor the regional circulation of registered varieties.

✓ **Registering fertilizer**

Tanzania made it easier to access high-quality fertilizers by removing the time limit on fertilizer registration.



THAILAND

✓ **Protecting plant health**

Thailand made pest management easier by publishing comprehensive information on plant pests and diseases on the Department of Agricultural Extension website.

TURKEY

✓ **Trading food**

Turkey made it easier to trade agricultural products by introducing an online application for a phytosanitary certificate and publishing the official fee schedule of phytosanitary certificates online.

UGANDA

✓ **Trading food**

Uganda made it easier to trade agricultural products by publishing the official fee schedule of phytosanitary certificates online.

✓ **Accessing finance**

Uganda improved access to finance by introducing agent banking.

UKRAINE

✓ **Protecting plant health**

Ukraine made pest management easier by publishing comprehensive information on different pests and diseases on the State Service of Ukraine on Food Safety and Consumer Protection website.

URUGUAY

✓ **Supplying seed**

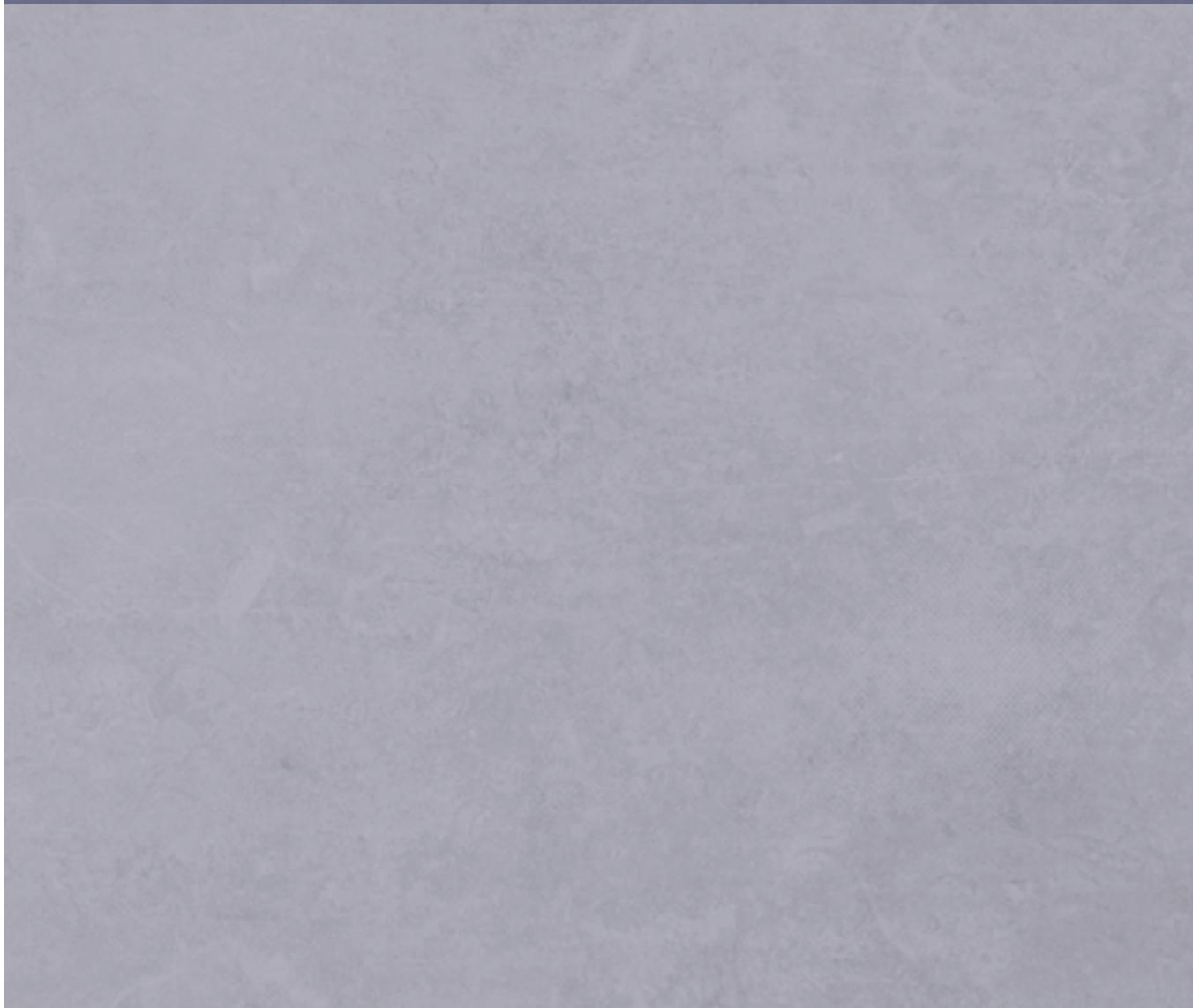
Uruguay improved the legal certainty and transparency for both providers and users of genetic resources by introducing an instrument to regulate their access.

VIETNAM

✓ **Sustaining livestock**

Vietnam increased safety controls for feed manufacturing by requiring risk-based inspections and approvals for manufacturing facilities prior to the start of their operations.





05

Country Tables



COUNTRY			
	REGION	AFGHANISTAN	ANGOLA
	INCOME GROUP	South Asia	Sub-Saharan Africa
	Enabling the Business of Agriculture	SCORE (0-100)	31.52
	Supplying seed	SCORE (0-100)	18.52
	Time to register a new cereal variety (days)	27.05	14.81
	Cost to register a new cereal variety (% of income per capita)	351	78.69
	Quality of seed regulation index (0-9)	5	4
	Registering fertilizer	SCORE (0-100)	73.47
	Time to register a new fertilizer product (days)	12	0.00
	Cost to register a new fertilizer product (% of income per capita)	69.1	N/A
	Quality of fertilizer regulation index (0-6)	2	120
			23.7
			4
	Securing water	SCORE (0-100)	20.00
	Securing water index (0-10)	2	70.00
			60.00
			6
	Registering machinery	SCORE (0-100)	0.00
	Time to register a tractor (days)	No practice	0.00
	Cost to register a tractor (% of income per capita)	No practice	89.69
		No practice	4
		No practice	1.1
	Sustaining livestock	SCORE (0-100)	0.00
	Quality of manufactured feed index (0-5)	0	10.00
	Quality of veterinary medicinal products index (0-6)	0	73.33
		0	4
		0	4
	Protecting plant health	SCORE (0-100)	40.00
	Quality of phytosanitary regulation index (0-5)	2	20.00
			60.00
		1	3
	Trading food	SCORE (0-100)	70.20
	Time to obtain agriculture-specific export documents (hours)	3	71.61
	Cost to obtain agriculture-specific export documents (US\$)	31	83.02
	Trading food index (0-7)	2	24
			50
		4	48
			7
		4	6
	Accessing finance	SCORE (0-100)	30.00
	Warehouse receipts index (0-5)	0	30.00
	Inclusive finance index (0-5)	3	80.00
		0	4
		3	4

COUNTRY		ARMENIA	AUSTRALIA	AUSTRIA
REGION	Europe & Central Asia	High income: OECD	High income: OECD	High income: OECD
INCOME GROUP	Upper middle income	High income	High income	High income
	Enabling the Business of Agriculture	SCORE (0-100)	67.41	82.73
	Supplying seed	SCORE (0-100)	60.92	Not scored
Time to register a new cereal variety (days)	587	Not scored	552	
Cost to register a new cereal variety (% of income per capita)	16.2	Not scored	6.3	
Quality of seed regulation index (0-9)	6	Not scored	8	
	Registering fertilizer	SCORE (0-100)	82.61	Not scored
Time to register a new fertilizer product (days)	30	Not scored	0	
Cost to register a new fertilizer product (% of income per capita)	0.0	Not scored	0.0	
Quality of fertilizer regulation index (0-6)	3	Not scored	6	
	Securing water	SCORE (0-100)	80.00	80.00
Securing water index (0-10)	8	8	8	
	Registering machinery	SCORE (0-100)	93.90	99.84
Time to register a tractor (days)	3	1	1	
Cost to register a tractor (% of income per capita)	0.3	0.1	0.4	
	Sustaining livestock	SCORE (0-100)	61.67	60.00
Quality of manufactured feed index (0-5)	2	1	5	
Quality of veterinary medicinal products index (0-6)	5	6	6	
	Protecting plant health	SCORE (0-100)	60.00	80.00
Quality of phytosanitary regulation index (0-5)	3	4	5	
	Trading food	SCORE (0-100)	80.16	86.51
Time to obtain agriculture-specific export documents (hours)	24	3	0	
Cost to obtain agriculture-specific export documents (US\$)	0	47	0	
Trading food index (0-7)	4	6	5	
	Accessing finance	SCORE (0-100)	20.00	90.00
Warehouse receipts index (0-5)	0	4	2	
Inclusive finance index (0-5)	2	5	5	



COUNTRY		BANGLADESH	BELGIUM	BENIN
REGION	INCOME GROUP	South Asia	High income: OECD	Sub-Saharan Africa
	Enabling the Business of Agriculture SCORE (0-100)	44.47	87.68	32.86
	Supplying seed SCORE (0-100)	18.52	76.32	7.41
Time to register a new cereal variety (days)				
Cost to register a new cereal variety (% of income per capita)				
Quality of seed regulation index (0-9)		5	552	2
	Registering fertilizer SCORE (0-100)	47.08	100.00	0.00
Time to register a new fertilizer product (days)		945	0	N/A
Cost to register a new fertilizer product (% of income per capita)		47.3	0.0	N/A
Quality of fertilizer regulation index (0-6)		3	6	0
	Securing water SCORE (0-100)	20.00	80.00	70.00
Securing water index (0-10)		2	8	7
	Registering machinery SCORE (0-100)	49.86	99.87	0.00
Time to register a tractor (days)		15	1	N/A
Cost to register a tractor (% of income per capita)		6.2	0.1	N/A
	Sustaining livestock SCORE (0-100)	56.67	100.00	65.00
Quality of manufactured feed index (0-5)		4	5	4
Quality of veterinary medicinal products index (0-6)		2	6	3
	Protecting plant health SCORE (0-100)	60.00	100.00	20.00
Quality of phytosanitary regulation index (0-5)		3	5	1
	Trading food SCORE (0-100)	43.66	95.24	70.45
Time to obtain agriculture-specific export documents (hours)		150	0	40
Cost to obtain agriculture-specific export documents (US\$)		51	0	63
Trading food index (0-7)		4	6	5
	Accessing finance SCORE (0-100)	60.00	50.00	30.00
Warehouse receipts index (0-5)		3	0	0
Inclusive finance index (0-5)		3	5	3

COUNTRY		BOLIVIA	BOSNIA AND HERZEGOVINA	BRAZIL	
REGION	Latin America & Caribbean	Europe & Central Asia	Latin America & Caribbean		
INCOME GROUP	Lower middle income	Upper middle income	Upper middle income		
	Enabling the Business of Agriculture	SCORE (0-100)	58.75	71.82	75.25
	Supplying seed	SCORE (0-100)	67.27	18.52	71.26
Time to register a new cereal variety (days)	547	No practice	576		
Cost to register a new cereal variety (% of income per capita)	44.4	No practice	3.4		
Quality of seed regulation index (0-9)	6	5	7		
	Registering fertilizer	SCORE (0-100)	5.56	88.10	30.30
Time to register a new fertilizer product (days)	N/A	31	528		
Cost to register a new fertilizer product (% of income per capita)	N/A	0.4	699.3		
Quality of fertilizer regulation index (0-6)	1	4	3		
	Securing water	SCORE (0-100)	50.00	90.00	100.00
Securing water index (0-10)	5	9	10		
	Registering machinery	SCORE (0-100)	92.05	82.22	100.00
Time to register a tractor (days)	2	7	1		
Cost to register a tractor (% of income per capita)	3.1	0.4	0.0		
	Sustaining livestock	SCORE (0-100)	65.00	80.00	91.67
Quality of manufactured feed index (0-5)	4	3	5		
Quality of veterinary medicinal products index (0-6)	3	6	5		
	Protecting plant health	SCORE (0-100)	40.00	80.00	70.00
Quality of phytosanitary regulation index (0-5)	2	4	3.5		
	Trading food	SCORE (0-100)	70.13	85.71	58.79
Time to obtain agriculture-specific export documents (hours)	48	0	24		
Cost to obtain agriculture-specific export documents (US\$)	54	0	125		
Trading food index (0-7)	5	4	4		
	Accessing finance	SCORE (0-100)	80.00	50.00	80.00
Warehouse receipts index (0-5)	4	2	5		
Inclusive finance index (0-5)	4	3	3		



COUNTRY			
	REGION	BURKINA FASO	BURUNDI
	INCOME GROUP	CAMBODIA	
	Enabling the Business of Agriculture	SCORE (0-100)	
		35.30	35.76
			35.95
	Supplying seed	SCORE (0-100)	
	Time to register a new cereal variety (days)	14.81	18.52
	Cost to register a new cereal variety (% of income per capita)		
	Quality of seed regulation index (0-9)	4	5
			1
	Registering fertilizer	SCORE (0-100)	
	Time to register a new fertilizer product (days)	5.56	11.11
	Cost to register a new fertilizer product (% of income per capita)		
	Quality of fertilizer regulation index (0-6)	N/A	No practice
		N/A	No practice
		1	2
			152
			91.4
			2
	Securing water	SCORE (0-100)	
	Securing water index (0-10)	60.00	40.00
		6	4
			2
	Registering machinery	SCORE (0-100)	
	Time to register a tractor (days)	41.22	55.47
	Cost to register a tractor (% of income per capita)	30	2
		5.3	25.1
			14
			19.0
	Sustaining livestock	SCORE (0-100)	
	Quality of manufactured feed index (0-5)	35.00	0.00
	Quality of veterinary medicinal products index (0-6)	1	0
		3	0
			4
			2
	Protecting plant health	SCORE (0-100)	
	Quality of phytosanitary regulation index (0-5)	30.00	70.00
		1.5	3.5
			2
	Trading food	SCORE (0-100)	
	Time to obtain agriculture-specific export documents (hours)	65.80	51.01
	Cost to obtain agriculture-specific export documents (US\$)	48	119
	Trading food index (0-7)	52	14
		4	218
			4
			144
	Accessing finance	SCORE (0-100)	
	Warehouse receipts index (0-5)	30.00	40.00
	Inclusive finance index (0-5)	0	0
		3	4
			0
			5

COUNTRY		CAMEROON	CANADA	CHILE			
REGION							
INCOME GROUP							
	Enabling the Business of Agriculture	SCORE (0-100)	22.29	86.50	66.19		
	Supplying seed	SCORE (0-100)	14.81	69.23	58.66		
Time to register a new cereal variety (days)				602	698		
Cost to register a new cereal variety (% of income per capita)				8.5	11.8		
Quality of seed regulation index (0-9)				4	6		
	Registering fertilizer	SCORE (0-100)	5.56	80.70	0.00		
Time to register a new fertilizer product (days)				225	N/A		
Cost to register a new fertilizer product (% of income per capita)				0.6	N/A		
Quality of fertilizer regulation index (0-6)				4	0		
	Securing water	SCORE (0-100)	30.00	80.00	50.00		
Securing water index (0-10)				3	8	5	
	Registering machinery	SCORE (0-100)	0.00	99.95	90.63		
Time to register a tractor (days)				1	4		
Cost to register a tractor (% of income per capita)				0.0	0.5		
	Sustaining livestock	SCORE (0-100)	45.00	71.67	65.00		
Quality of manufactured feed index (0-5)				2	3	4	
Quality of veterinary medicinal products index (0-6)				3	5	3	
	Protecting plant health	SCORE (0-100)	40.00	100.00	100.00		
Quality of phytosanitary regulation index (0-5)				2	5	5	
	Trading food	SCORE (0-100)	32.94	90.48	85.26		
Time to obtain agriculture-specific export documents (hours)				84	0	12	
Cost to obtain agriculture-specific export documents (US\$)				329	0	70	
Trading food index (0-7)				4	5	7	
	Accessing finance	SCORE (0-100)	10.00	100.00	80.00		
Warehouse receipts index (0-5)				0	5	4	
Inclusive finance index (0-5)				1	5	4	



	COUNTRY REGION INCOME GROUP	COUNTRY		
		CHINA	COLOMBIA	
			CONGO, DEM. REP.	
	Enabling the Business of Agriculture SCORE (0-100)	70.29	81.53	29.81
	Supplying seed SCORE (0-100)	40.65	59.03	3.70
	Time to register a new cereal variety (days)	1575	591	No practice
	Cost to register a new cereal variety (% of income per capita)	2671	100.6	No practice
	Quality of seed regulation index (0-9)	5	5	1
	Registering fertilizer SCORE (0-100)	79.02	81.55	0.00
	Time to register a new fertilizer product (days)	270	45	N/A
	Cost to register a new fertilizer product (% of income per capita)	0.0	7.9	N/A
	Quality of fertilizer regulation index (0-6)	4	3	0
	Securing water SCORE (0-100)	80.00	90.00	40.00
	Securing water index (0-10)	8	9	4
	Registering machinery SCORE (0-100)	97.16	95.51	44.32
	Time to register a tractor (days)	2	2	3
	Cost to register a tractor (% of income per capita)	0.0	1.0	69.4
	Sustaining livestock SCORE (0-100)	80.00	73.33	33.33
	Quality of manufactured feed index (0-5)	3	4	0
	Quality of veterinary medicinal products index (0-6)	6	4	4
	Protecting plant health SCORE (0-100)	60.00	100.00	40.00
	Quality of phytosanitary regulation index (0-5)	3	5	2
	Trading food SCORE (0-100)	65.48	62.85	27.11
	Time to obtain agriculture-specific export documents (hours)	108	36	168
	Cost to obtain agriculture-specific export documents (US\$)	0	85	120
	Trading food index (0-7)	5	4	3
	Accessing finance SCORE (0-100)	60.00	90.00	50.00
	Warehouse receipts index (0-5)	3	5	0
	Inclusive finance index (0-5)	3	4	5

COUNTRY		CÔTE D'IVOIRE	CROATIA	CZECH REPUBLIC
REGION	INCOME GROUP	Sub-Saharan Africa	Europe & Central Asia	High income: OECD
	Enabling the Business of Agriculture SCORE (0-100)	45.87	92.68	92.32
	Supplying seed SCORE (0-100)	69.55	81.71	73.61
Time to register a new cereal variety (days)		368	552	552
Cost to register a new cereal variety (% of income per capita)		112.5	4.6	11.0
Quality of seed regulation index (0-9)		5	9	8
	Registering fertilizer SCORE (0-100)	5.56	100.00	100.00
Time to register a new fertilizer product (days)		N/A	0	0
Cost to register a new fertilizer product (% of income per capita)		N/A	0.0	0.0
Quality of fertilizer regulation index (0-6)		1	6	6
	Securing water SCORE (0-100)	20.00	80.00	80.00
Securing water index (0-10)		2	8	8
	Registering machinery SCORE (0-100)	94.58	99.23	99.71
Time to register a tractor (days)		2	1	1
Cost to register a tractor (% of income per capita)		1.6	0.5	0.2
	Sustaining livestock SCORE (0-100)	35.00	100.00	100.00
Quality of manufactured feed index (0-5)		1	5	5
Quality of veterinary medicinal products index (0-6)		3	6	6
	Protecting plant health SCORE (0-100)	20.00	100.00	100.00
Quality of phytosanitary regulation index (0-5)		1	5	5
	Trading food SCORE (0-100)	42.30	90.48	95.24
Time to obtain agriculture-specific export documents (hours)		168	0	0
Cost to obtain agriculture-specific export documents (US\$)		59	0	0
Trading food index (0-7)		4	5	6
	Accessing finance SCORE (0-100)	80.00	90.00	90.00
Warehouse receipts index (0-5)		5	4	4
Inclusive finance index (0-5)		3	5	5



COUNTRY REGION INCOME GROUP	COUNTRY		
	DENMARK		
	DOMINICAN REPUBLIC	EGYPT, ARAB REP.	
 Enabling the Business of Agriculture SCORE (0-100)	High income: OECD High income	Latin America & Caribbean Upper middle income	Middle East & North Africa Lower middle income
 Supplying seed SCORE (0-100)	86.03	50.00	47.06
Time to register a new cereal variety (days) Cost to register a new cereal variety (% of income per capita) Quality of seed regulation index (0-9)	690 7.4 9	517 0.0 3	599 137.4 5
 Registering fertilizer SCORE (0-100)	100.00	5.56	59.76
Time to register a new fertilizer product (days) Cost to register a new fertilizer product (% of income per capita) Quality of fertilizer regulation index (0-6)	0 0.0 6	N/A N/A 1	314 14.7 1
 Securing water SCORE (0-100)	70.00	20.00	0.00
Securing water index (0-10)	7	2	0
 Registering machinery SCORE (0-100)	99.83	61.85	97.62
Time to register a tractor (days) Cost to register a tractor (% of income per capita)	1 0.1	14 0.7	1 1.4
 Sustaining livestock SCORE (0-100)	100.00	55.00	25.00
Quality of manufactured feed index (0-5) Quality of veterinary medicinal products index (0-6)	5 6	3 3	0 3
 Protecting plant health SCORE (0-100)	100.00	40.00	20.00
Quality of phytosanitary regulation index (0-5)	5	2	1
 Trading food SCORE (0-100)	95.24	78.08	66.98
Time to obtain agriculture-specific export documents (hours) Cost to obtain agriculture-specific export documents (US\$) Trading food index (0-7)	0 0 6	24 40 5	36 33 3
 Accessing finance SCORE (0-100)	50.00	80.00	50.00
Warehouse receipts index (0-5) Inclusive finance index (0-5)	0 5	4 4	4 1

	COUNTRY				
		REGION	ETHIOPIA	FINLAND	
		INCOME GROUP	Sub-Saharan Africa	High income: OECD	
	Enabling the Business of Agriculture	SCORE (0-100)	46.12	86.67	93.70
	Supplying seed	SCORE (0-100)	55.77	62.95	84.25
	Time to register a new cereal variety (days)	620		660	236
	Cost to register a new cereal variety (% of income per capita)	55.9		24.3	12.1
	Quality of seed regulation index (0-9)	4		9	7
	Registering fertilizer	SCORE (0-100)	5.56	100.00	100.00
	Time to register a new fertilizer product (days)	N/A		0	0
	Cost to register a new fertilizer product (% of income per capita)	N/A		0.0	0.0
	Quality of fertilizer regulation index (0-6)	1		6	6
	Securing water	SCORE (0-100)	30.00	90.00	90.00
	Securing water index (0-10)	3		9	9
	Registering machinery	SCORE (0-100)	94.93	99.95	99.64
	Time to register a tractor (days)	2		1	1
	Cost to register a tractor (% of income per capita)	1.3		0.0	0.2
	Sustaining livestock	SCORE (0-100)	46.67	100.00	100.00
	Quality of manufactured feed index (0-5)	3		5	5
	Quality of veterinary medicinal products index (0-6)	2		6	6
	Protecting plant health	SCORE (0-100)	0.00	100.00	100.00
	Quality of phytosanitary regulation index (0-5)	0		5	5
	Trading food	SCORE (0-100)	56.03	90.48	85.69
	Time to obtain agriculture-specific export documents (hours)	47		0	36
	Cost to obtain agriculture-specific export documents (US\$)	110		0	7
	Trading food index (0-7)	4		5	6
	Accessing finance	SCORE (0-100)	80.00	50.00	90.00
	Warehouse receipts index (0-5)	5		0	4
	Inclusive finance index (0-5)	3		5	5



	COUNTRY				
		REGION	GEORGIA	GERMANY	
		INCOME GROUP	Sub-Saharan Africa	Lower middle income	
	Enabling the Business of Agriculture	SCORE (0-100)	63.53	89.14	50.49
	Supplying seed	SCORE (0-100)	72.37	58.09	21.72
	Time to register a new cereal variety (days)	581	919	757	
	Cost to register a new cereal variety (% of income per capita)	0.0	13.4	1012.7	
	Quality of seed regulation index (0-9)	6	9	5	
	Registering fertilizer	SCORE (0-100)	45.98	100.00	52.71
	Time to register a new fertilizer product (days)	730	0	231	
	Cost to register a new fertilizer product (% of income per capita)	71.2	0.0	269.8	
	Quality of fertilizer regulation index (0-6)	2	6	2	
	Securing water	SCORE (0-100)	20.00	90.00	50.00
	Securing water index (0-10)	2	9	5	
	Registering machinery	SCORE (0-100)	98.94	99.82	82.29
	Time to register a tractor (days)	1	1	3	
	Cost to register a tractor (% of income per capita)	0.6	0.1	7.2	
	Sustaining livestock	SCORE (0-100)	55.00	100.00	55.00
	Quality of manufactured feed index (0-5)	3	5	3	
	Quality of veterinary medicinal products index (0-6)	3	6	3	
	Protecting plant health	SCORE (0-100)	80.00	80.00	60.00
	Quality of phytosanitary regulation index (0-5)	4	4	3	
	Trading food	SCORE (0-100)	75.95	95.24	42.22
	Time to obtain agriculture-specific export documents (hours)	48	0	44	
	Cost to obtain agriculture-specific export documents (US\$)	20	0	167	
	Trading food index (0-7)	5	6	3	
	Accessing finance	SCORE (0-100)	60.00	90.00	40.00
	Warehouse receipts index (0-5)	3	4	0	
	Inclusive finance index (0-5)	3	5	4	

	COUNTRY				
		REGION	GREECE	GUATEMALA	
		INCOME GROUP	High income: OECD	Latin America & Caribbean	
	Enabling the Business of Agriculture	SCORE (0-100)	88.57	65.11	33.59
	Supplying seed	SCORE (0-100)	70.49	85.03	3.70
	Time to register a new cereal variety (days)		729	300	No practice
	Cost to register a new cereal variety (% of income per capita)		8.6	0.2	No practice
	Quality of seed regulation index (0-9)		9	7	1
	Registering fertilizer	SCORE (0-100)	100.00	79.38	0.00
	Time to register a new fertilizer product (days)		0	113	N/A
	Cost to register a new fertilizer product (% of income per capita)		0.0	1.1	N/A
	Quality of fertilizer regulation index (0-6)		6	3	0
	Securing water	SCORE (0-100)	60.00	30.00	50.00
	Securing water index (0-10)		6	3	5
	Registering machinery	SCORE (0-100)	92.80	74.12	81.23
	Time to register a tractor (days)		4	10	7
	Cost to register a tractor (% of income per capita)		0.1	0.2	1.0
	Sustaining livestock	SCORE (0-100)	100.00	55.00	8.33
	Quality of manufactured feed index (0-5)		5	3	0
	Quality of veterinary medicinal products index (0-6)		6	3	1
	Protecting plant health	SCORE (0-100)	100.00	50.00	20.00
	Quality of phytosanitary regulation index (0-5)		5	2.5	1
	Trading food	SCORE (0-100)	95.24	77.38	65.48
	Time to obtain agriculture-specific export documents (hours)		0	24	30
	Cost to obtain agriculture-specific export documents (US\$)		0	16	50
	Trading food index (0-7)		6	4	3
	Accessing finance	SCORE (0-100)	90.00	70.00	40.00
	Warehouse receipts index (0-5)		4	4	0
	Inclusive finance index (0-5)		5	3	4



	COUNTRY REGION INCOME GROUP			
		HAITI		HONDURAS
		Latin America & Caribbean Low income	Latin America & Caribbean Lower middle income	HUNGARY High income: OECD High income
	Enabling the Business of Agriculture SCORE (0-100)	19.51	49.13	91.77
	Supplying seed SCORE (0-100)	3.70	18.52	69.74
	Time to register a new cereal variety (days)			552
	Cost to register a new cereal variety (% of income per capita)			16.6
	Quality of seed regulation index (0-9)	1	5	8
	Registering fertilizer SCORE (0-100)	0.00	78.59	100.00
	Time to register a new fertilizer product (days)	N/A	120	0
	Cost to register a new fertilizer product (% of income per capita)	N/A	9.6	0.0
	Quality of fertilizer regulation index (0-6)	0	3	6
	Securing water SCORE (0-100)	20.00	60.00	80.00
	Securing water index (0-10)	2	6	8
	Registering machinery SCORE (0-100)	38.64	0.00	99.14
	Time to register a tractor (days)	5	N/A	1
	Cost to register a tractor (% of income per capita)	32.8	N/A	0.5
	Sustaining livestock SCORE (0-100)	0.00	55.00	100.00
	Quality of manufactured feed index (0-5)	0	3	5
	Quality of veterinary medicinal products index (0-6)	0	3	6
	Protecting plant health SCORE (0-100)	0.00	80.00	100.00
	Quality of phytosanitary regulation index (0-5)	0	4	5
	Trading food SCORE (0-100)	73.76	30.95	95.24
	Time to obtain agriculture-specific export documents (hours)	20	72	0
	Cost to obtain agriculture-specific export documents (US\$)	15	285	0
	Trading food index (0-7)	3	3	6
	Accessing finance SCORE (0-100)	20.00	70.00	90.00
	Warehouse receipts index (0-5)	0	3	4
	Inclusive finance index (0-5)	2	4	5

COUNTRY		INDIA	IRAQ	IRELAND
REGION	INCOME GROUP	South Asia	Middle East & North Africa	High income: OECD
	Enabling the Business of Agriculture SCORE (0-100)	62.23	22.62	85.77
	Supplying seed SCORE (0-100)	73.16	14.81	66.31
Time to register a new cereal variety (days)		397	No practice	951
Cost to register a new cereal variety (% of income per capita)		80.5	No practice	0.5
Quality of seed regulation index (0-9)		6	4	9
	Registering fertilizer SCORE (0-100)	57.81	0.00	100.00
Time to register a new fertilizer product (days)		804	N/A	0
Cost to register a new fertilizer product (% of income per capita)		14.0	N/A	0.0
Quality of fertilizer regulation index (0-6)		4	0	6
	Securing water SCORE (0-100)	20.00	0.00	80.00
Securing water index (0-10)		2	0	8
	Registering machinery SCORE (0-100)	78.98	22.46	99.34
Time to register a tractor (days)		7	105	1
Cost to register a tractor (% of income per capita)		2.4	16.6	0.4
	Sustaining livestock SCORE (0-100)	53.33	48.33	100.00
Quality of manufactured feed index (0-5)		2	4	5
Quality of veterinary medicinal products index (0-6)		4	1	6
	Protecting plant health SCORE (0-100)	60.00	20.00	100.00
Quality of phytosanitary regulation index (0-5)		3	1	5
	Trading food SCORE (0-100)	74.58	55.39	90.48
Time to obtain agriculture-specific export documents (hours)		48	16	0
Cost to obtain agriculture-specific export documents (US\$)		28	100	0
Trading food index (0-7)		5	2	5
	Accessing finance SCORE (0-100)	80.00	20.00	50.00
Warehouse receipts index (0-5)		5	0	0
Inclusive finance index (0-5)		3	2	5



COUNTRY			
	REGION	ITALY	JAPAN
	INCOME GROUP	Middle East & North Africa	Upper middle income
	Enabling the Business of Agriculture	SCORE (0-100)	
		87.47	83.96
			50.23
	Supplying seed	SCORE (0-100)	
	Time to register a new cereal variety (days)	624	454
	Cost to register a new cereal variety (% of income per capita)	5.3	1.2
	Quality of seed regulation index (0-9)	8	5
	Registering fertilizer	SCORE (0-100)	
	Time to register a new fertilizer product (days)	0	30
	Cost to register a new fertilizer product (% of income per capita)	0.0	1.2
	Quality of fertilizer regulation index (0-6)	6	4
	Securing water	SCORE (0-100)	
	Securing water index (0-10)	8	6
			1
	Registering machinery	SCORE (0-100)	
	Time to register a tractor (days)	6	1
	Cost to register a tractor (% of income per capita)	0.4	0.0
			24.0
	Sustaining livestock	SCORE (0-100)	
	Quality of manufactured feed index (0-5)	5	5
	Quality of veterinary medicinal products index (0-6)	6	2
	Protecting plant health	SCORE (0-100)	
	Quality of phytosanitary regulation index (0-5)	4	4
			4
	Trading food	SCORE (0-100)	
	Time to obtain agriculture-specific export documents (hours)	0	24
	Cost to obtain agriculture-specific export documents (US\$)	0	0
	Trading food index (0-7)	5	6
			4
	Accessing finance	SCORE (0-100)	
	Warehouse receipts index (0-5)	4	4
	Inclusive finance index (0-5)	5	2

COUNTRY		KAZAKHSTAN	KENYA	KOREA, REP.
REGION	Europe & Central Asia	Sub-Saharan Africa	High income: OECD	
INCOME GROUP	Upper middle income	Lower middle income	High income	
	Enabling the Business of Agriculture	SCORE (0-100)	68.01	64.80
	Supplying seed	SCORE (0-100)	68.94	79.47
Time to register a new cereal variety (days)	730	322	601	
Cost to register a new cereal variety (% of income per capita)	0.0	106.8	3.3	
Quality of seed regulation index (0-9)	7	7	7	
	Registering fertilizer	SCORE (0-100)	79.32	5.56
Time to register a new fertilizer product (days)	246	N/A	459	
Cost to register a new fertilizer product (% of income per capita)	10.0	N/A	23.0	
Quality of fertilizer regulation index (0-6)	4	1	4	
	Securing water	SCORE (0-100)	60.00	100.00
Securing water index (0-10)	6	10	8	
	Registering machinery	SCORE (0-100)	74.40	85.69
Time to register a tractor (days)	10	5	N/A	
Cost to register a tractor (% of income per capita)	0.0	1.8	N/A	
	Sustaining livestock	SCORE (0-100)	75.00	81.67
Quality of manufactured feed index (0-5)	5	4	4	
Quality of veterinary medicinal products index (0-6)	3	5	5	
	Protecting plant health	SCORE (0-100)	60.00	40.00
Quality of phytosanitary regulation index (0-5)	3	2	4	
	Trading food	SCORE (0-100)	66.39	86.02
Time to obtain agriculture-specific export documents (hours)	108	5	84	
Cost to obtain agriculture-specific export documents (US\$)	23	20	0	
Trading food index (0-7)	6	5	6	
	Accessing finance	SCORE (0-100)	60.00	40.00
Warehouse receipts index (0-5)	5	0	2	
Inclusive finance index (0-5)	1	4	4	



COUNTRY		REGION	KYRGYZ REPUBLIC	LAO PDR	LIBERIA				
INCOME GROUP									
Enabling the Business of Agriculture									
	Enabling the Business of Agriculture	SCORE (0-100)	72.43	37.10	16.42				
	Supplying seed	SCORE (0-100)	22.22	3.70	7.41				
Time to register a new cereal variety (days)	970	No practice							
Cost to register a new cereal variety (% of income per capita)	183.5	No practice							
Quality of seed regulation index (0-9)	6	1			2				
	Registering fertilizer	SCORE (0-100)	74.60	16.67	0.00				
Time to register a new fertilizer product (days)	357	No practice							
Cost to register a new fertilizer product (% of income per capita)	17.9	No practice							
Quality of fertilizer regulation index (0-6)	4	3			0				
	Securing water	SCORE (0-100)	90.00	30.00	0.00				
Securing water index (0-10)	9	3			0				
	Registering machinery	SCORE (0-100)	93.86	88.21	38.64				
Time to register a tractor (days)	3	5			5				
Cost to register a tractor (% of income per capita)	0.3	0.3			69.4				
	Sustaining livestock	SCORE (0-100)	55.00	20.00	16.67				
Quality of manufactured feed index (0-5)	3	2			0				
Quality of veterinary medicinal products index (0-6)	3	0			2				
	Protecting plant health	SCORE (0-100)	80.00	60.00	0.00				
Quality of phytosanitary regulation index (0-5)	4	3			0				
	Trading food	SCORE (0-100)	83.72	38.19	28.67				
Time to obtain agriculture-specific export documents (hours)	24	96			144				
Cost to obtain agriculture-specific export documents (US\$)	7	148			83				
Trading food index (0-7)	5	4			2				
	Accessing finance	SCORE (0-100)	80.00	40.00	40.00				
Warehouse receipts index (0-5)	3	0			0				
Inclusive finance index (0-5)	5	4			4				

	COUNTRY				
		REGION	LITHUANIA	MADAGASCAR	
		INCOME GROUP	MALAWI		
	Enabling the Business of Agriculture	SCORE (0-100)	86.34	36.26	41.51
	Supplying seed	SCORE (0-100)	68.54	7.41	37.92
	Time to register a new cereal variety (days)	579	No practice	579	
	Cost to register a new cereal variety (% of income per capita)	16.4	No practice	1536.4	
	Quality of seed regulation index (0-9)	8	2	7	
	Registering fertilizer	SCORE (0-100)	100.00	0.00	11.11
	Time to register a new fertilizer product (days)	0	N/A	913	
	Cost to register a new fertilizer product (% of income per capita)	0.0	N/A	2284.5	
	Quality of fertilizer regulation index (0-6)	6	0	2	
	Securing water	SCORE (0-100)	70.00	50.00	60.00
	Securing water index (0-10)	7	5	6	
	Registering machinery	SCORE (0-100)	96.89	90.75	49.87
	Time to register a tractor (days)	2	1	15	
	Cost to register a tractor (% of income per capita)	0.2	5.6	6.2	
	Sustaining livestock	SCORE (0-100)	100.00	18.33	18.33
	Quality of manufactured feed index (0-5)	5	1	1	
	Quality of veterinary medicinal products index (0-6)	6	1	1	
	Protecting plant health	SCORE (0-100)	90.00	40.00	20.00
	Quality of phytosanitary regulation index (0-5)	4.5	2	1	
	Trading food	SCORE (0-100)	75.27	43.61	54.88
	Time to obtain agriculture-specific export documents (hours)	45	78	96	
	Cost to obtain agriculture-specific export documents (US\$)	28	85	23	
	Trading food index (0-7)	5	2	3	
	Accessing finance	SCORE (0-100)	90.00	40.00	80.00
	Warehouse receipts index (0-5)	4	0	4	
	Inclusive finance index (0-5)	5	4	4	



COUNTRY		MALAYSIA	MALI	MEXICO	
REGION	East Asia & Pacific	Sub-Saharan Africa	Latin America & Caribbean		
INCOME GROUP	Upper middle income	Low income	Upper middle income		
	Enabling the Business of Agriculture	SCORE (0-100)	51.68	33.70	69.46
	Supplying seed	SCORE (0-100)	62.00	22.22	69.54
Time to register a new cereal variety (days)	536	No practice	531		
Cost to register a new cereal variety (% of income per capita)	6.2	No practice	9.0		
Quality of seed regulation index (0-9)	4	6	6		
	Registering fertilizer	SCORE (0-100)	0.00	73.32	59.54
Time to register a new fertilizer product (days)	N/A	90	765		
Cost to register a new fertilizer product (% of income per capita)	N/A	113.2	9.9		
Quality of fertilizer regulation index (0-6)	0	3	4		
	Securing water	SCORE (0-100)	20.00	10.00	60.00
Securing water index (0-10)	2	1	6		
	Registering machinery	SCORE (0-100)	82.71	0.00	50.00
Time to register a tractor (days)	7	N/A	30		
Cost to register a tractor (% of income per capita)	0.1	N/A	0.0		
	Sustaining livestock	SCORE (0-100)	81.67	35.00	81.67
Quality of manufactured feed index (0-5)	4	1	4		
Quality of veterinary medicinal products index (0-6)	5	3	5		
	Protecting plant health	SCORE (0-100)	60.00	20.00	60.00
Quality of phytosanitary regulation index (0-5)	3	1	3		
	Trading food	SCORE (0-100)	77.08	79.07	84.90
Time to obtain agriculture-specific export documents (hours)	60	36	24		
Cost to obtain agriculture-specific export documents (US\$)	25	18	28		
Trading food index (0-7)	6	5	6		
	Accessing finance	SCORE (0-100)	30.00	30.00	90.00
Warehouse receipts index (0-5)	0	0	4		
Inclusive finance index (0-5)	3	3	5		

COUNTRY		MOROCCO	MOZAMBIQUE	MYANMAR	
REGION	Middle East & North Africa	Sub-Saharan Africa	East Asia & Pacific		
INCOME GROUP	Lower middle income	Low income	Lower middle income		
	Enabling the Business of Agriculture	SCORE (0-100)	64.02	50.97	31.27
	Supplying seed	SCORE (0-100)	62.42	61.48	76.90
Time to register a new cereal variety (days)	593	602	147		
Cost to register a new cereal variety (% of income per capita)	17.5	117.5	21.0		
Quality of seed regulation index (0-9)	5	6	3		
	Registering fertilizer	SCORE (0-100)	0.00	70.82	67.28
Time to register a new fertilizer product (days)	N/A	181	130		
Cost to register a new fertilizer product (% of income per capita)	N/A	7.8	6.6		
Quality of fertilizer regulation index (0-6)	0	2	1		
	Securing water	SCORE (0-100)	80.00	60.00	0.00
Securing water index (0-10)	8	6	0		
	Registering machinery	SCORE (0-100)	97.94	30.66	0.00
Time to register a tractor (days)	1	20	N/A		
Cost to register a tractor (% of income per capita)	1.2	11.6	N/A		
	Sustaining livestock	SCORE (0-100)	55.00	8.33	8.33
Quality of manufactured feed index (0-5)	3	0	0		
Quality of veterinary medicinal products index (0-6)	3	1	1		
	Protecting plant health	SCORE (0-100)	100.00	50.00	20.00
Quality of phytosanitary regulation index (0-5)	5	2.5	1		
	Trading food	SCORE (0-100)	56.79	66.42	47.62
Time to obtain agriculture-specific export documents (hours)	72	48	96		
Cost to obtain agriculture-specific export documents (US\$)	16	20	65		
Trading food index (0-7)	2	3	3		
	Accessing finance	SCORE (0-100)	60.00	60.00	30.00
Warehouse receipts index (0-5)	3	3	0		
Inclusive finance index (0-5)	3	3	3		



COUNTRY	COUNTRY		
	REGION		
	INCOME GROUP		
	Enabling the Business of Agriculture	SCORE (0-100)	
		48.97	90.69
		67.23	75.78
	Supplying seed	Time to register a new cereal variety (days)	611
		Cost to register a new cereal variety (% of income per capita)	0.0
		Quality of seed regulation index (0-9)	5
	Registering fertilizer	SCORE (0-100)	
		11.11	100.00
	Registering fertilizer	Time to register a new fertilizer product (days)	1125
		Cost to register a new fertilizer product (% of income per capita)	596.2
		Quality of fertilizer regulation index (0-6)	2
	Securing water	SCORE (0-100)	
		40.00	80.00
	Securing water	Securing water index (0-10)	4
		8	9
	Registering machinery	SCORE (0-100)	
		90.63	99.77
	Registering machinery	Time to register a tractor (days)	2
		Cost to register a tractor (% of income per capita)	3.9
	Sustaining livestock	SCORE (0-100)	
		18.33	100.00
	Sustaining livestock	Quality of manufactured feed index (0-5)	1
		Quality of veterinary medicinal products index (0-6)	1
	Protecting plant health	SCORE (0-100)	
		60.00	100.00
	Protecting plant health	Quality of phytosanitary regulation index (0-5)	3
		5	5
	Trading food	SCORE (0-100)	
		74.43	100.00
	Trading food	Time to obtain agriculture-specific export documents (hours)	48
		Cost to obtain agriculture-specific export documents (US\$)	1
		Trading food index (0-7)	4
	Accessing finance	SCORE (0-100)	
		30.00	70.00
	Accessing finance	Warehouse receipts index (0-5)	0
		Inclusive finance index (0-5)	3
		2	4
		5	5

		COUNTRY	NICARAGUA	NIGER	NIGERIA
		REGION	Latin America & Caribbean	Sub-Saharan Africa	Sub-Saharan Africa
		INCOME GROUP	Lower middle income	Low income	Lower middle income
	Enabling the Business of Agriculture	SCORE (0-100)	69.92	29.39	49.17
	Supplying seed	SCORE (0-100)	60.60	22.22	63.42
Time to register a new cereal variety (days)		410			367
Cost to register a new cereal variety (% of income per capita)		23.6			171.6
Quality of seed regulation index (0-9)		5			4
	Registering fertilizer	SCORE (0-100)	78.04	0.00	69.30
Time to register a new fertilizer product (days)		28			225
Cost to register a new fertilizer product (% of income per capita)		75.1			5.2
Quality of fertilizer regulation index (0-6)		3			2
	Securing water	SCORE (0-100)	80.00	60.00	50.00
Securing water index (0-10)		8			5
	Registering machinery	SCORE (0-100)	86.39	0.00	48.80
Time to register a tractor (days)		3			14
Cost to register a tractor (% of income per capita)		4.8			8.6
	Sustaining livestock	SCORE (0-100)	46.67	35.00	63.33
Quality of manufactured feed index (0-5)		3			3
Quality of veterinary medicinal products index (0-6)		2			4
	Protecting plant health	SCORE (0-100)	60.00	20.00	20.00
Quality of phytosanitary regulation index (0-5)		3			1
	Trading food	SCORE (0-100)	77.66	77.94	38.51
Time to obtain agriculture-specific export documents (hours)		48			144
Cost to obtain agriculture-specific export documents (US\$)		10			109
Trading food index (0-7)		5			5
	Accessing finance	SCORE (0-100)	70.00	20.00	40.00
Warehouse receipts index (0-5)		3			0
Inclusive finance index (0-5)		4			4



COUNTRY		NORWAY	PAKISTAN	PANAMA
REGION	INCOME GROUP	High income: OECD	South Asia	Latin America & Caribbean
	Enabling the Business of Agriculture SCORE (0-100)	84.57	48.87	72.91
	Supplying seed SCORE (0-100)	66.06	67.80	29.13
Time to register a new cereal variety (days)		933	409	556
Cost to register a new cereal variety (% of income per capita)		0.9	17.6	49.6
Quality of seed regulation index (0-9)		9	4	3
	Registering fertilizer SCORE (0-100)	100.00	58.71	92.55
Time to register a new fertilizer product (days)		0	356	60
Cost to register a new fertilizer product (% of income per capita)		0.0	5.9	0.4
Quality of fertilizer regulation index (0-6)		6	1	5
	Securing water SCORE (0-100)	80.00	30.00	70.00
Securing water index (0-10)		8	3	7
	Registering machinery SCORE (0-100)	100.00	37.35	93.42
Time to register a tractor (days)		1	20	3
Cost to register a tractor (% of income per capita)		0.0	7.6	0.5
	Sustaining livestock SCORE (0-100)	100.00	33.33	63.33
Quality of manufactured feed index (0-5)		5	0	3
Quality of veterinary medicinal products index (0-6)		6	4	4
	Protecting plant health SCORE (0-100)	100.00	20.00	80.00
Quality of phytosanitary regulation index (0-5)		5	1	4
	Trading food SCORE (0-100)	90.48	73.74	74.82
Time to obtain agriculture-specific export documents (hours)		0	28	36
Cost to obtain agriculture-specific export documents (US\$)		0	60	15
Trading food index (0-7)		5	5	4
	Accessing finance SCORE (0-100)	40.00	70.00	80.00
Warehouse receipts index (0-5)		0	4	4
Inclusive finance index (0-5)		4	3	4

COUNTRY		PERU	PHILIPPINES	POLAND
REGION	INCOME GROUP	Latin America & Caribbean Upper middle income	East Asia & Pacific Lower middle income	High income: OECD High income
	Enabling the Business of Agriculture SCORE (0-100)	61.96	68.03	86.00
	Supplying seed SCORE (0-100)	81.40	84.00	65.78
Time to register a new cereal variety (days)		357	275	699
Cost to register a new cereal variety (% of income per capita)		19.5	54.0	17.5
Quality of seed regulation index (0-9)		7	7	9
	Registering fertilizer SCORE (0-100)	0.00	72.59	100.00
Time to register a new fertilizer product (days)		N/A	134	0
Cost to register a new fertilizer product (% of income per capita)		N/A	8.1	0.0
Quality of fertilizer regulation index (0-6)		0	2	6
	Securing water SCORE (0-100)	70.00	60.00	90.00
Securing water index (0-10)		7	6	9
	Registering machinery SCORE (0-100)	0.00	72.97	96.50
Time to register a tractor (days)		N/A	11	2
Cost to register a tractor (% of income per capita)		N/A	0.0	0.4
	Sustaining livestock SCORE (0-100)	75.00	65.00	100.00
Quality of manufactured feed index (0-5)		5	4	5
Quality of veterinary medicinal products index (0-6)		3	3	6
	Protecting plant health SCORE (0-100)	80.00	40.00	100.00
Quality of phytosanitary regulation index (0-5)		4	2	5
	Trading food SCORE (0-100)	89.32	69.64	85.71
Time to obtain agriculture-specific export documents (hours)		24	48	0
Cost to obtain agriculture-specific export documents (US\$)		30	1	0
Trading food index (0-7)		7	3	4
	Accessing finance SCORE (0-100)	100.00	80.00	50.00
Warehouse receipts index (0-5)		5	4	0
Inclusive finance index (0-5)		5	4	5



COUNTRY				
	REGION	PORTUGAL	ROMANIA	
	INCOME GROUP	RUSSIAN FEDERATION		
	Enabling the Business of Agriculture SCORE (0-100)	89.82	85.73	72.64
	Supplying seed SCORE (0-100)	73.24	66.85	65.91
	Time to register a new cereal variety (days)	552	654	716
	Cost to register a new cereal variety (% of income per capita)	11.5	19.1	0.0
	Quality of seed regulation index (0-9)	8	9	6
	Registering fertilizer SCORE (0-100)	100.00	94.44	68.54
	Time to register a new fertilizer product (days)	0	0	570
	Cost to register a new fertilizer product (% of income per capita)	0.0	0.0	74.5
	Quality of fertilizer regulation index (0-6)	6	5	5
	Securing water SCORE (0-100)	90.00	90.00	70.00
	Securing water index (0-10)	9	9	7
	Registering machinery SCORE (0-100)	99.59	73.57	88.00
	Time to register a tractor (days)	1	10	5
	Cost to register a tractor (% of income per capita)	0.2	0.5	0.4
	Sustaining livestock SCORE (0-100)	100.00	100.00	90.00
	Quality of manufactured feed index (0-5)	5	5	4
	Quality of veterinary medicinal products index (0-6)	6	6	6
	Protecting plant health SCORE (0-100)	90.00	90.00	80.00
	Quality of phytosanitary regulation index (0-5)	4.5	4.5	4
	Trading food SCORE (0-100)	85.71	80.95	58.66
	Time to obtain agriculture-specific export documents (hours)	0	0	192
	Cost to obtain agriculture-specific export documents (US\$)	0	0	19
	Trading food index (0-7)	4	3	6
	Accessing finance SCORE (0-100)	80.00	90.00	60.00
	Warehouse receipts index (0-5)	3	5	3
	Inclusive finance index (0-5)	5	4	3

COUNTRY		RWANDA	SENEGAL	SERBIA	
REGION	Sub-Saharan Africa	Sub-Saharan Africa	Europe & Central Asia		
INCOME GROUP	Low income	Low income	Upper middle income		
	Enabling the Business of Agriculture	SCORE (0-100)	41.43	43.98	81.35
	Supplying seed	SCORE (0-100)	3.70	32.59	57.01
Time to register a new cereal variety (days)					
Cost to register a new cereal variety (% of income per capita)			561		604
Quality of seed regulation index (0-9)	1	No practice	647.8	20.7	6
	Registering fertilizer	SCORE (0-100)	44.72	5.56	93.73
Time to register a new fertilizer product (days)	730		N/A		22
Cost to register a new fertilizer product (% of income per capita)	1.6		N/A		4.8
Quality of fertilizer regulation index (0-6)	1		1		5
	Securing water	SCORE (0-100)	50.00	30.00	60.00
Securing water index (0-10)	5		3		6
	Registering machinery	SCORE (0-100)	47.16	87.78	96.83
Time to register a tractor (days)	2		5		2
Cost to register a tractor (% of income per capita)	125.0		0.5		0.2
	Sustaining livestock	SCORE (0-100)	16.67	45.00	100.00
Quality of manufactured feed index (0-5)	0		2		5
Quality of veterinary medicinal products index (0-6)	2		3		6
	Protecting plant health	SCORE (0-100)	30.00	60.00	90.00
Quality of phytosanitary regulation index (0-5)	1.5		3		4.5
	Trading food	SCORE (0-100)	69.19	60.91	73.24
Time to obtain agriculture-specific export documents (hours)	47		60		48
Cost to obtain agriculture-specific export documents (US\$)	33		36		8
Trading food index (0-7)	4		3		4
	Accessing finance	SCORE (0-100)	70.00	30.00	80.00
Warehouse receipts index (0-5)	3		0		5
Inclusive finance index (0-5)	4		3		3



COUNTRY		SIERRA LEONE	SLOVAK REPUBLIC	SOUTH AFRICA
REGION	INCOME GROUP	Sub-Saharan Africa	High income: OECD	Sub-Saharan Africa
	Enabling the Business of Agriculture SCORE (0-100)	27.70	91.55	68.73
	Supplying seed SCORE (0-100)	18.52	72.47	77.23
Time to register a new cereal variety (days)				
Cost to register a new cereal variety (% of income per capita)		610		575
Quality of seed regulation index (0-9)	5	8.6		4.1
		8		8
	Registering fertilizer SCORE (0-100)	0.00	100.00	69.28
Time to register a new fertilizer product (days)		N/A	0	222
Cost to register a new fertilizer product (% of income per capita)		N/A	0.0	7.4
Quality of fertilizer regulation index (0-6)	0	6		2
	Securing water SCORE (0-100)	70.00	80.00	90.00
Securing water index (0-10)		7	8	9
	Registering machinery SCORE (0-100)	0.00	99.46	98.95
Time to register a tractor (days)		No practice	1	1
Cost to register a tractor (% of income per capita)		No practice	0.3	0.6
	Sustaining livestock SCORE (0-100)	30.00	100.00	63.33
Quality of manufactured feed index (0-5)		3	5	3
Quality of veterinary medicinal products index (0-6)	0	6	4	
	Protecting plant health SCORE (0-100)	0.00	100.00	60.00
Quality of phytosanitary regulation index (0-5)		0	5	3
	Trading food SCORE (0-100)	73.11	90.48	61.05
Time to obtain agriculture-specific export documents (hours)		11	0	52
Cost to obtain agriculture-specific export documents (US\$)		31	0	46
Trading food index (0-7)	3	5		3
	Accessing finance SCORE (0-100)	30.00	90.00	30.00
Warehouse receipts index (0-5)		0	4	0
Inclusive finance index (0-5)	3	5		3

	COUNTRY				
		REGION	SRI LANKA	SUDAN	
		INCOME GROUP	High income: OECD	South Asia	
	Enabling the Business of Agriculture	SCORE (0-100)	91.71	50.16	29.27
	Supplying seed	SCORE (0-100)	76.72	74.02	30.59
	Time to register a new cereal variety (days)		598	298	654
	Cost to register a new cereal variety (% of income per capita)		8.6	0.0	616.1
	Quality of seed regulation index (0-9)		9	4	4
	Registering fertilizer	SCORE (0-100)	100.00	64.09	0.00
	Time to register a new fertilizer product (days)		0	365	N/A
	Cost to register a new fertilizer product (% of income per capita)		0.0	3.2	N/A
	Quality of fertilizer regulation index (0-6)		6	2	0
	Securing water	SCORE (0-100)	90.00	0.00	0.00
	Securing water index (0-10)		9	0	0
	Registering machinery	SCORE (0-100)	96.52	91.13	50.14
	Time to register a tractor (days)		2	3	7
	Cost to register a tractor (% of income per capita)		0.4	1.9	19.7
	Sustaining livestock	SCORE (0-100)	100.00	46.67	25.00
	Quality of manufactured feed index (0-5)		5	3	0
	Quality of veterinary medicinal products index (0-6)		6	2	3
	Protecting plant health	SCORE (0-100)	100.00	60.00	40.00
	Quality of phytosanitary regulation index (0-5)		5	3	2
	Trading food	SCORE (0-100)	90.48	25.40	58.41
	Time to obtain agriculture-specific export documents (hours)		0	96	48
	Cost to obtain agriculture-specific export documents (US\$)		0	233	39
	Trading food index (0-7)		5	3	2
	Accessing finance	SCORE (0-100)	80.00	40.00	30.00
	Warehouse receipts index (0-5)		3	0	0
	Inclusive finance index (0-5)		5	4	3



COUNTRY REGION INCOME GROUP	COUNTRY		
	SWEDEN		
	TAJIKISTAN		
	Enabling the Business of Agriculture	SCORE (0-100)	
	85.33	87.85	43.19
	Supplying seed	SCORE (0-100)	
Time to register a new cereal variety (days)	589	551	No practice
Cost to register a new cereal variety (% of income per capita)	15.9	3.5	No practice
Quality of seed regulation index (0-9)	9	9	6
72.16	82.51	22.22	
	Registering fertilizer	SCORE (0-100)	
Time to register a new fertilizer product (days)	0	0	No practice
Cost to register a new fertilizer product (% of income per capita)	0.0	0.0	No practice
Quality of fertilizer regulation index (0-6)	6	6	2
100.00	100.00	11.11	
	Securing water	SCORE (0-100)	
Securing water index (0-10)	7	6	4
70.00	60.00	40.00	
	Registering machinery	SCORE (0-100)	
Time to register a tractor (days)	1	1	10
Cost to register a tractor (% of income per capita)	0.0	0.1	1.3
99.97	99.81	72.32	
	Sustaining livestock	SCORE (0-100)	
Quality of manufactured feed index (0-5)	5	5	4
Quality of veterinary medicinal products index (0-6)	6	6	1
100.00	100.00	48.33	
	Protecting plant health	SCORE (0-100)	
Quality of phytosanitary regulation index (0-5)	5	4.5	2
100.00	90.00	40.00	
	Trading food	SCORE (0-100)	
Time to obtain agriculture-specific export documents (hours)	0	0	36
Cost to obtain agriculture-specific export documents (US\$)	0	0	182
Trading food index (0-7)	5	5	3
90.48	90.48	41.51	
	Accessing finance	SCORE (0-100)	
Warehouse receipts index (0-5)	0	4	2
Inclusive finance index (0-5)	5	4	5
50.00	80.00	70.00	

	COUNTRY	TANZANIA	THAILAND	TOGO	
	REGION				
	INCOME GROUP				
	Enabling the Business of Agriculture	SCORE (0-100)	57.15	58.51	25.42
	Supplying seed	SCORE (0-100)	77.47	78.20	14.81
	Time to register a new cereal variety (days)		333	358	No practice
	Cost to register a new cereal variety (% of income per capita)		53.2	6.3	No practice
	Quality of seed regulation index (0-9)		6	6	4
	Registering fertilizer	SCORE (0-100)	28.39	79.83	0.00
	Time to register a new fertilizer product (days)		578	100	N/A
	Cost to register a new fertilizer product (% of income per capita)		809.1	1.8	N/A
	Quality of fertilizer regulation index (0-6)		3	3	0
	Securing water	SCORE (0-100)	80.00	0.00	60.00
	Securing water index (0-10)		8	0	6
	Registering machinery	SCORE (0-100)	66.15	99.66	0.00
	Time to register a tractor (days)		3	1	N/A
	Cost to register a tractor (% of income per capita)		16.9	0.2	N/A
	Sustaining livestock	SCORE (0-100)	45.00	65.00	25.00
	Quality of manufactured feed index (0-5)		2	4	0
	Quality of veterinary medicinal products index (0-6)		3	3	3
	Protecting plant health	SCORE (0-100)	40.00	60.00	10.00
	Quality of phytosanitary regulation index (0-5)		2	3	0.5
	Trading food	SCORE (0-100)	30.16	25.40	63.56
	Time to obtain agriculture-specific export documents (hours)		96	96	60
	Cost to obtain agriculture-specific export documents (US\$)		265	195	21
	Trading food index (0-7)		4	3	3
	Accessing finance	SCORE (0-100)	90.00	60.00	30.00
	Warehouse receipts index (0-5)		5	3	0
	Inclusive finance index (0-5)		4	3	3



COUNTRY			
	REGION	TUNISIA	TURKEY
	INCOME GROUP	Middle East & North Africa	Europe & Central Asia
	Enabling the Business of Agriculture	SCORE (0-100)	52.15
	Supplying seed	SCORE (0-100)	75.65
	Time to register a new cereal variety (days)	39.57	78.18
	Cost to register a new cereal variety (% of income per capita)	864	646
	Quality of seed regulation index (0-9)	17.2	22.0
		4	8
	Registering fertilizer	SCORE (0-100)	35.53
	Time to register a new fertilizer product (days)	5.56	87.22
	Cost to register a new fertilizer product (% of income per capita)	N/A	50
	Quality of fertilizer regulation index (0-6)	N/A	663
		1	191.7
	Securing water	SCORE (0-100)	10.00
	Securing water index (0-10)	40.00	50.00
		4	5
	Registering machinery	SCORE (0-100)	70.18
	Time to register a tractor (days)	74.02	94.53
	Cost to register a tractor (% of income per capita)	10	2
		0.2	1.6
	Sustaining livestock	SCORE (0-100)	41.67
	Quality of manufactured feed index (0-5)	28.33	100.00
	Quality of veterinary medicinal products index (0-6)	2	5
		1	6
	Protecting plant health	SCORE (0-100)	40.00
	Quality of phytosanitary regulation index (0-5)	40.00	100.00
		2	5
	Trading food	SCORE (0-100)	64.18
	Time to obtain agriculture-specific export documents (hours)	78.68	62.21
	Cost to obtain agriculture-specific export documents (US\$)	48	24
	Trading food index (0-7)	4	105
		5	4
	Accessing finance	SCORE (0-100)	80.00
	Warehouse receipts index (0-5)	10.00	70.00
	Inclusive finance index (0-5)	0	5
		1	2
			3

COUNTRY		UKRAINE	UNITED KINGDOM	UNITED STATES
REGION	Europe & Central Asia	High income: OECD	High income:	High income:
INCOME GROUP	Lower middle income	High income	High income	High income
	Enabling the Business of Agriculture	SCORE (0-100)	67.40	88.87
	Supplying seed	SCORE (0-100)	54.93	70.78
Time to register a new cereal variety (days)	714	641	Not scored	Not scored
Cost to register a new cereal variety (% of income per capita)	16.1	14.3	Not scored	Not scored
Quality of seed regulation index (0-9)	6	9	Not scored	Not scored
	Registering fertilizer	SCORE (0-100)	43.33	100.00
Time to register a new fertilizer product (days)	325	0	90	90
Cost to register a new fertilizer product (% of income per capita)	453.6	0.0	0.2	0.2
Quality of fertilizer regulation index (0-6)	3	6	4	4
	Securing water	SCORE (0-100)	60.00	80.00
Securing water index (0-10)	6	8	9	9
	Registering machinery	SCORE (0-100)	80.65	99.70
Time to register a tractor (days)	7	1	1	1
Cost to register a tractor (% of income per capita)	1.4	0.2	0.3	0.3
	Sustaining livestock	SCORE (0-100)	65.00	100.00
Quality of manufactured feed index (0-5)	4	5	5	5
Quality of veterinary medicinal products index (0-6)	3	6	6	6
	Protecting plant health	SCORE (0-100)	100.00	100.00
Quality of phytosanitary regulation index (0-5)	5	5	4	4
	Trading food	SCORE (0-100)	65.29	90.48
Time to obtain agriculture-specific export documents (hours)	72	0	48	48
Cost to obtain agriculture-specific export documents (US\$)	22	0	106	106
Trading food index (0-7)	4	5	6	6
	Accessing finance	SCORE (0-100)	70.00	70.00
Warehouse receipts index (0-5)	4	2	5	5
Inclusive finance index (0-5)	3	5	5	5



COUNTRY				
	REGION	URUGUAY	UZBEKISTAN	
	INCOME GROUP	VIETNAM		
	Enabling the Business of Agriculture SCORE (0-100)	65.50	41.62	61.41
	Supplying seed SCORE (0-100)	88.31	7.41	44.57
	Time to register a new cereal variety (days)	305	No practice	901
	Cost to register a new cereal variety (% of income per capita)	4.3	No practice	350.2
	Quality of seed regulation index (0-9)	8	2	7
	Registering fertilizer SCORE (0-100)	77.11	0.00	94.00
	Time to register a new fertilizer product (days)	11	N/A	15
	Cost to register a new fertilizer product (% of income per capita)	10.9	N/A	4.7
	Quality of fertilizer regulation index (0-6)	2	0	5
	Securing water SCORE (0-100)	90.00	40.00	60.00
	Securing water index (0-10)	9	4	6
	Registering machinery SCORE (0-100)	0.00	95.24	69.45
	Time to register a tractor (days)	N/A	2	10
	Cost to register a tractor (% of income per capita)	N/A	1.2	3.0
	Sustaining livestock SCORE (0-100)	65.00	16.67	75.00
	Quality of manufactured feed index (0-5)	4	0	5
	Quality of veterinary medicinal products index (0-6)	3	2	3
	Protecting plant health SCORE (0-100)	60.00	80.00	50.00
	Quality of phytosanitary regulation index (0-5)	3	4	2.5
	Trading food SCORE (0-100)	73.58	43.64	58.30
	Time to obtain agriculture-specific export documents (hours)	48	96	72
	Cost to obtain agriculture-specific export documents (US\$)	6	144	35
	Trading food index (0-7)	4	5	3
	Accessing finance SCORE (0-100)	70.00	50.00	40.00
	Warehouse receipts index (0-5)	3	3	0
	Inclusive finance index (0-5)	4	2	4

COUNTRY		ZAMBIA	ZIMBABWE
REGION	Sub-Saharan Africa	Sub-Saharan Africa	Low income
INCOME GROUP	Lower middle income		
	Enabling the Business of Agriculture	SCORE (0-100)	63.73
	Supplying seed	SCORE (0-100)	48.36
Time to register a new cereal variety (days)	544	76.76	607
Cost to register a new cereal variety (% of income per capita)	86.5	60.92	36.7
Quality of seed regulation index (0-9)	9		5
	Registering fertilizer	SCORE (0-100)	5.56
Time to register a new fertilizer product (days)	210	58.94	No practice
Cost to register a new fertilizer product (% of income per capita)	182.1		No practice
Quality of fertilizer regulation index (0-6)	2		1
	Securing water	SCORE (0-100)	70.00
Securing water index (0-10)	10	100.00	7
	Registering machinery	SCORE (0-100)	44.32
Time to register a tractor (days)	16	46.32	3
Cost to register a tractor (% of income per capita)	6.7		39.9
	Sustaining livestock	SCORE (0-100)	46.67
Quality of manufactured feed index (0-5)	4	56.67	3
Quality of veterinary medicinal products index (0-6)	2		2
	Protecting plant health	SCORE (0-100)	20.00
Quality of phytosanitary regulation index (0-5)	1.5	30.00	1
	Trading food	SCORE (0-100)	59.44
Time to obtain agriculture-specific export documents (hours)	180	51.16	25
Cost to obtain agriculture-specific export documents (US\$)	35		92
Trading food index (0-7)	5		3
	Accessing finance	SCORE (0-100)	80.00
Warehouse receipts index (0-5)	5	90.00	3
Inclusive finance index (0-5)	4		5





Acknowledgments

Data collection and analysis for *Enabling the Business of Agriculture* were conducted by a team lead by Sarah Iqbal (Program Manager, Indicator Development, Development Economics), under the general direction of Rita Ramalho (Senior Manager, Global Indicators Group, Development Economics). Farbod Youssefi (Program Coordinator, Agriculture) and Samjhana Thapa (Senior Agricultural Economist, Agriculture), under the oversight of Louise Scura (Practice Manager, Agriculture), led the policy dialogue and operational use of the *Enabling the Business of Agriculture* indicators, working with agriculture specialists and country teams across a number of client countries. The project was managed with the support of Raian Divanbeigi, Valentina Saltane, and Tea Trumbic.

Team members included Marwa Abdou, Gabriel Eduardo Aguirre Martens, Maereg Tewoldebirhan Alemayehu, Nisha Arekapudi, Maria Balcazar Tellez, Valeria Balza Pineda, Daniela Behr, Julia Braunmiller, Jennifer Bryan, Federico Cardenas Chacon, Vanessa Maria Cervello Ferrando, Cesar Chaparro Yedro, Rong Chen, Dariga Chukmaitova, Soha Eshraghi, Pilar Fernández, Isabela Franco Emerick, Felix Frewer, Arnau Gallard-Agusti, Bill Garthwaite, Graham Hamley, Amina Naomi Idris, New-Doe Kaledzi, Edna Massay Kallon, Konstantina Katsouli, Marina Kayumova, Alona Kazantseva, Sana Khan, Maksat Korooluev, Loïc Lanci, Leiwen Lin, Jean-Philippe Lodugnon-Harding, Wisambi Loundu, Mingqi Liu, Martin Maldonado, Jeremy Marand, Rumbidzai Maweni, Matteo Mazzoni, Mariya Myroshnychenko, Kristina Nedelkova, Esperanza Pastor Núñez de Castro, Greta Polo, Severine Ouedraogo, Nina Paustian, Patricia Quijano Vallejos, Mariyam Raziyeva, Martin Ruiz-Cantu, Mariana Sans, Sara Savastano, Kurt Aleks Schaefer, Rim Seffar Benomar, Virat Singh, Sophia Sunderji, Aliaksandra Tyhrytskaya, Ahmed Younes, Cihang Yuan, Yasmin Zand, Qiao Zhang, Yucheng Zheng, Qunrui Zhou, Muchen Zhu, and Marwane Zouaidi. The team is thankful to members of the Doing Business team—Iryna Lagodna, Marilyne Florence Mafoboue Youbi, Nuno Filipe Mendes Dos Santos, Rongpeng Yang, and Ines Zabalbeitia Mugica—for their assistance with data collection on the trading food indicator. The team was assisted by Paulina Maribel Flewitt and Rose Gachina. Oleksiy Anokhin, Ogma Dessirama Bale, Sylvie Kabaziga Bishweka, Damien Matthias Valentin Boucher, Chenyang Cao, Zezhou Cai, Tamriko Chelesvahli, Kevan Christensen, Wan-Chen Chung, Sean Lee Coffin, Arturo Cortes, Atilla Dilmen, Nicholas Hirschfeld, Zoha Irfan, Minori Ito, Yan Li, Ronak Maheshwari, Maha Malik, Milos Milosavljevic, Adjoua Marie-Pascale Nzi, Odette Rouvet, Dwitipriya Sanyal, Zindzi Thompson, Jiarui Wang, and Hong Yang assisted in the months before publication.

The team is grateful to Franck Berthe, Klaus Deninger, and Steven Jaffee for their feedback on the report drafts. The team received additional written comments from Flore Martinant de Preneuf, Marianne Fay, Chisako Fukuda, Kadir Osman Gyasi, Holger A. Kray, Hans Peter Lankes, Andrew D. Mason, Dorota Agata Nowak, and Sarah A. Simons. The team is also thankful for the valuable comments and reviews provided by colleagues across the World Bank Group, in particular those in the World Bank Group country offices and those working in several key areas that the report investigated. The team would especially like to acknowledge the work of the country office colleagues who helped distribute questionnaires and validate the data: Erick Herman Abiassi, Amanullah Alamzai, Arusyak Alaverdyan, Ali Annon, and Francisco Obereque. In addition, the following colleagues provided various other support for in-country data collection: Fatma Aglan, Mustafa Alver, Mampionona Amboarasoa, Aniceto Timoteo Bila, Blessings Botha, Edward William Bresnyan, Myriam Chaudron, Winston Dawes, Luz Diaz, Giuseppe Fantozzi, Azeb Fissha, Augusto Garcia, Andreas Groetschel, Artavazd Hakobyan, Johannes Georges Pius Jansen, Talaibek Koshmatov, Jianwen Liu, Omar Lyasse, Mariama Altine Mahamane, Mohamed Medouar, Emma Isinika Modamba, Ramon Ernesto Arias Moncada, Aimee Mpambara, Valens Mwumvaneza, Julia Navarro, Manivannan Pathy, Caroline Planté, Maria Theresa Quinones, Muhammad Riaz, Timothy Robertson, Kateryna Schroeder, Manievel Sene, Bekzod Shamsiev, Jeanette Sutherland, Leya Malaika Gisele Tabu, El Hadj Adama Toure, Rémi Trier, Karishma Wasti, Eli Weiss, Bobojon Yatimov and Sergiy Zorya. Externally, FAO's support for data collection in Iraq is greatly appreciated.



The team also benefited from comments and discussions with experts from inside the World Bank Group, including Florentin Blanc, Lars Grava, and Ankur Huria, and from outside the organization, including Jerome Bandry, Rodrigo Gouveia, Judith Hermanson, Ivo Hostens, Katrin Kuhlmann, Fran McCrae, and Christiane Wolff.

The *Enabling the Business of Agriculture* program was developed in partnership with several donors whose funding and support makes this report possible, namely: the Bill & Melinda Gates Foundation, the Department for International Development (DFID), and the United States Agency for International Development (USAID). The team is grateful to the Chilean and Malaysian governments for their support of data collection for the *Enabling the Business of Agriculture* study conducted at the World Bank Research and Development Center in Chile and the World Bank Global Knowledge and Research Hub in Malaysia.

The *Enabling the Business of Agriculture* study was made possible by the generous contributions from a network of more than 4,000 local partners, including legal experts, business associations, private sector representatives, farmers' organizations, academics, government officials and other professionals actively engaged in the policy, legal and regulatory requirements in the 101 countries covered this year. Contact details for local partners are available at: <http://eba.worldbank.org>.

The names of local partners wishing to be acknowledged individually are listed in the report. The published global contributors represent firms and/or organizations that have completed multiple questionnaires in their various offices around the world.



Experts

GLOBAL CONTRIBUTORS

AnimalhealthEurope	Ahmad Faisal Basiri <i>Oxford Policy Management/UK Department for International Development (DFID)</i>
Axiata Group Berhad	Asadullah Fayzi <i>Afghanistan International Bank (AIB)</i>
Bayer Animal Health	Hamdullah Hamdard <i>Ministry of Agriculture, Irrigation and Livestock</i>
Boehringer Ingelheim Animal Health	Elizabeth Hessami <i>Linfield College</i>
Cargill	Miraqa Hussainkhail <i>Kabul University</i>
CEMA aisbl - European Agricultural Machinery Industry Association	Qasim Karamkhail <i>Ministry of Agriculture, Irrigation and Livestock</i>
Ceva Santé Animale	Zabihullah Khurrami <i>Plant Protection and Quarantine Directorate</i>
Elanco Animal Health	Najib Malik <i>Ministry of Agriculture, Irrigation and Livestock</i>
Global Water Partnership (GWP)	Ghulam Mohd Malikyar <i>National Environmental Protection Agency</i>
International Cooperative Alliance	Shabeer Moqadasian
John Deere	Mahboobullah Nang <i>Ministry of Agriculture, Irrigation and Livestock</i>
Limagrain	Wali Mohammad Naseh <i>Kabul University</i>
Merck Animal Health / MSD Animal Health	Mohammad Kaneshka Pakzad <i>Ministry of Agriculture, Irrigation and Livestock</i>
Bayer	Asad Sarwar Qureshi <i>International Center for Biosaline Agriculture (ICBA)</i>
One Acre Fund	Mohammad Sameem Raheemi <i>Ministry of Transport and Civil Aviation</i>
Syngenta	Ahsan Zahir Rizvi <i>RIAA Barker Gillette</i>
VIRBAC	Yashpal Saharawat <i>ICARDA Afghanistan</i>
White & Case LLP	Hamid Salari
Zoetis	Laura Schroeder <i>Schroeder Law Offices, PC</i>

AFGHANISTAN

Da Afghanistan Bank	Aali Shan Ahmed <i>Icon Trading and Forwarding Company</i>
Ministry of Finance	Qudratullah Soofizada <i>Agriculture Research Institute of Afghanistan (ARIA)</i>
Sher Jan Ahmadzai University of Nebraska at Omaha	Haris Syed Raza <i>Gerry's dnata Pvt. Ltd.</i>
Sayed Yahya Akhlaqi Ministry of Information and Culture	Mohammad Khalid Tayeb <i>Kanda Fruit</i>
Tawheed Ali Azeemi Ministry of Agriculture, Irrigation and Livestock	Sana Waheed <i>Legal Oracles</i>

Aali Shan Ahmed <i>Icon Trading and Forwarding Company</i>
Qudratullah Soofizada <i>Agriculture Research Institute of Afghanistan (ARIA)</i>
Haris Syed Raza <i>Gerry's dnata Pvt. Ltd.</i>
Mohammad Khalid Tayeb <i>Kanda Fruit</i>
Sana Waheed <i>Legal Oracles</i>

Transmix
Mafalda Aguiar <i>SRS Advogados</i>
Paulo Amaral <i>Jardins da Yoba</i>
Leonel Augusto <i>INACOM</i>
Correia Bartolomeu <i>CBAM Advogados</i>

Correia Bartolomeu <i>CBAM Advogados</i>
Tiago Corrêa do Amaral <i>Abreu Advogados</i>
Maria Inês Costa <i>AVM Advogados</i>
Afonso Cuco <i>Abreu Advogados</i>
Maria Francisca Da Costa <i>Serviço Nacional de Sementes</i>

Alwin Leon Das <i>FAMS Transitórios Lda</i>
Igor Fortes Gabriel <i>FBL Advogados</i>
Arnold Ferreira <i>FBL Advogados</i>
Catarina Levy Osório <i>ALC Advogados</i>
Paulette Lopes <i>FBL Advogados</i>

Paulette Lopes <i>FBL Advogados</i>
Arlete Amaral Maia <i>CBAM Advogados</i>
Fernando Maia
Jorge Manuel <i>CBAM Advogados</i>
Dissoluquele Daniel Manuel Bassimba <i>Instituto de Investigação Agronómica</i>

Tiago Matos Fernandes <i>Linking Partners</i>
Maria Nascimento <i>Ministry of Agriculture and Forestry</i>
Catarina Neto Fernandes <i>ADCA Advogados Angola</i>
Octavio Castelo Paulo <i>SRS Advogados</i>
Ana Pedro de Castro <i>AVM Advogados</i>

Joaquim Piedade <i>UNICARGAS</i>
Liliana Pinto <i>CBAM Advogados</i>
José Luís Pinto de Mesquita <i>ALC Advogados</i>
André Miguel Pitéu <i>Transitex Angola</i>
Joao Saraiva <i>Jardins da Yoba</i>

Dinamukueno Lukie Sérgio Olicargo <i>Olicargo Angola SA</i>
Augusto Silva <i>Serviço Nacional de Sementes</i>
Celma Silva <i>Confiança Seguros Angola</i>
Jose Alexandre Silva
Renata Valenti <i>ALC Advogados</i>

António Vidal <i>Abreu Advogados</i>


ARGENTINA

Tomas Allende
Estudio Beccar Varela

Armando Allinghi
Cámara de la Industria Argentina de Fertilizantes y Agroquímicos (CIAFA)

Carlos Antagli
Grupo Sistemas

Andrés Arakelian
Cámara de la Industria Argentina de Fertilizantes y Agroquímicos (CIAFA)

Romina Noelia Barale
Ministerio de Agua, Ambiente y Servicios Públicos de la Provincia de Córdoba

Julio Victor Bascunan
HM.Clause Argentina

Paula Beveraggi
M. & M. Bomchil

Valeria Bizarro
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)

Ana Lia Cassano
Boehringer Ingelheim Animal Health

Pedro Echavarría Coll
Allende & Brea

Natalia Celina Conforti
Universidad Católica de Córdoba

Roberto Falcón
Universidad Nacional de Rosario

Alejandro Fernandez
Servicio Nacional de Sanidad y Calidad Agroalimentaria (SENASA)

Natalia Fernandez Eraso
Monsanto Argentina

Flavia Ferreira de Castro
Programa Feed & Food Seguro Latinoamérica

Ariel Filadoro
Dirección Nacional de Planificación de Transporte de Cargas y Logística del Ministerio de Transporte

Maria Laura Foradori
Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET)

Raúl Fratantoni
Allende & Brea

Laureano Genin
Allende & Brea

Martin Gonzalo
Limagrain France

Mariano Grondona
PAGBAM Pérez Alati, Grondona, Benites, Arntsen & Martínez de Hoz

Graciela Huarte
HM.Clause Argentina

Marta Juliá
Universidad Católica de Córdoba

Juan Bautista Justo
Universidad Nacional del Comahue

Ignacio Martinez
Limagrain France

Lucia Mendiberri
Bruchou, Fernández, Madero & Lombardi

Roberto Minetti
Servicio Nacional de Sanidad y Calidad Agroalimentaria (SENASA)

Walter Minetti
Damco

Jorge Miranda
Clippers SA

María Inés Ortiz de Gallardo
Justicia Córdoba

Carla Pascale
Ecodes Ingenieria

Evangelina Petrizza
Estudio Beccar Varela

Carmen Polo

Martín Prieto
Allende & Brea

Santiago Reyna
Universidad Nacional de Córdoba

Agustín Roth
Universidad Católica de Córdoba

Mario Rubén Rujana
Instituto Correntino del Agua y del Ambiente

Jorge Sánchez
Dirección Nacional de Planificación de Transporte de Cargas y Logística del Ministerio de Transporte

Mariana Sanguinetti
Dirección Nacional de Planificación de Transporte de Cargas y Logística del Ministerio de Transporte

Marcos Santivanez
Bruchou, Fernández, Madero & Lombardi

Ignacio Sanz
Bruchou, Fernández, Madero & Lombardi

Patricia Sassaroli
Pajarito Trading SRL

Roberto Isaac Scherbosky
Allende & Brea

Tomás Scuticchio
Allende & Brea

Daniel A. Seoane
Estudio Beccar Varela

Pablo Staszewski
Staszewski & Associates

Silvia Sudol

María Cecilia Tello Roldan
Lawyer

Noelia Torchia
Departamento General de Irrigación de Mendoza

Pablo J. Torretta
Estudio Beccar Varela

Marina Vasavilbaso
PAGBAM Pérez Alati, Grondona, Benites, Arntsen & Martínez de Hoz

Diego Velez
Provimi Argentina SA

Santiago Vidal
Elanco Animal Health

María Eugenia Villalba
Villalba & Seitor

Maria Laura Villamayor
INASE, Comisión Nacional de Semilla (CONASE)

ARMENIA

Armenian State Agrarian University

Farm Credit Armenia UCO CC

SpecMash LLC

Anna Agayan
Central Bank of Armenia

Makar Arakelyan
Sati Freight Forwarding CJSC

Ani Badalyan
Central Bank of Armenia

Hrachia Berbaryan
Agrarian Farmer's Association of Armenia

Aikanush Edigaryan
Trans-Alliance

Samson Gazaryan
Central Bank of Armenia

Arsen Ghazaryan
Union of Manufacturers and Businessmen (Employers) of Armenia

Lilit Ghazaryan
Scientific Centre of Drug and Medical Technology Expertise

Andranik Grigoryan
Central Bank of Armenia

Gevorg Harutyunyan
Healthy Garden Cooperative

Arevik Hovsepyan
CWP-Armenia NGO

Liana Hovsepyan
CWP-Armenia NGO

Edith Khachatourian
ILC (International Legal Consulting)

Arthur Ktrakyan
Artagro LLC

Liana Margaryan
USAID - PURE Water Project

Vanik Margaryan
AM Law Firm

Tigran Markosyan
Food Safety Risk Assessment and Analysis Scientific Center

Vakhtang Mirumyan
State Revenue Committee

Suren Mkrtumyan
Spayka LLC

Lilit Movsisyan
State Revenue Committee

Rajiv Nagri
Globalink Logistics Group

Gagik Sardaryan
CARD Agroservice CJSC

Asmik Sargsyan
Central Bank of Armenia



Narine Sargsyan
AM Law Firm

Alisa Savadyan
USAID - PURE Water Project

Hakob Tadevosyan
Grant Thornton LLP

Arevik Tarzyan
Avita LLC

Hmayak Yezekyan
Global Logistics

AUSTRALIA

Animal Medicines Australia

Department of Agriculture and Water Resources - Australian Chief Plant Protection Office (ACPO)

Stock Feed Manufacturers' Council of Australia

White & Case

Andrew Arulanandam
King & Wood Mallesons

Krishanthi Balakrishnan
Zoetis

Michael Bampton
Gadens

Ross Beasley
Pioneer Seeds

Andrew Beatty
Beatty Legal

Dallas Booth
National Insurance Brokers Association of Australia

Scott Bouvier
King & Wood Mallesons

Dale Chapman
Addisons

Libby Ciesiolk
Kingfisher Law

Ana Coculescu
Beatty Legal

Lindsay Cook
Australian Seed Authority (ASA)

Leah Cowell
Cowell Clarke

David Crino
Telstra

Shane Dellavedova
Dellavedova Fertilizer Services

Nick Drew
Fertilizer Australia

Intan Eow
King & Wood Mallesons

Jeremy Fisher
Kingfisher Law

Kendra Fouracre
Telstra

Scott Girdler
Clayton Utz

Emma Harrison
Telstra

John Henchy
Farm Machinery and Industry Association of WA (FMIA)

Steve Hughes
Australian Pastures Genebank

Hugh Kierath
Beatty Legal

Andrew Kimbell
Kingfisher Law

Danny Kotlowitz
Telstra

Samantha Marshall
Beatty Legal

Gordon McNeil
Agracom Pty Limited

Ilona Millar
Baker & McKenzie

Rebecca Nelson
University of Melbourne

Gary Northover
Tractor and Machinery Association of Australia

Sally Norton
Australia Grains Genebank

Richard Partridge
Gadens

Dean Schiller
Fayman International Pty Ltd.

Jason Scott
Gentech Seeds Pty Ltd.

Ruwan Senanayake

Manchuna Shanmuganathan

Edward Smith
Gadens

Madeline Taylor
University of Sydney Law School

Mark Vanderneut
King & Wood Mallesons

Kathryn Walker
Cowell Clarke

Jeremy Zwaigoft
Telstra

AUSTRIA

Delacon Biotechnik GmbH

Federal Ministry of Transport, Innovation and Technology

Marcus Benes
Eisenberger & Herzog Rechtsanwälte GmbH

Martin Ebner
Schoenherr

Felix Frommelt
Reidlinger Schatzmann Rechtsanwälte GmbH

Martina Hiebl
Schoenherr

Katharina Huber-Medek
SHMP Schwartz Huber-Medek Pallitsch Rechtsanwälte GmbH

Michael Oberforster
Austrian Agency for Health and Food Safety - AGES

Christian Schmelz
Schoenherr

BANGLADESH

Axiata Group Berhad

Bangladesh Freight Forwarders Association - Chittagong

Bangladesh Freight Forwarders Association - Dhaka

Dhaka Customs Agents Association

Munir Uddin Ahamed
WAC Logistics Limited

Kazi Matin Ahmed
University of Dhaka

Md. Ahsanuzzaman
Spectra Hexa Feeds Ltd.

Shahid Uddin Akbar
Bangladesh Institute of ICT in Development

Mohamed Nasir Uddin Al Mamun
Air Sea Global Freight Ltd.

S. M. Khorshed Alam
Bangladesh Agricultural Research Council

Shahed Alam
Robi Axata

Shajib Mahmood Alam
Counsels Law Partners

Syed Nurul Alam
Bangladesh Agricultural Research Institute

Mahbub Anam
Lal Teer Seed Limited

Farzana Chowdhury
Green Delta Insurance Company

Mohammed Chowdhury
Anchor Logistics

Titu Dey
BT Logistics Ltd.

Aminul Haque
Come To Save (CTS) Bohmukhi Sombay Somiti Ltd.

Monirul Haque
Agrolink Bangladesh

Mohammad Iqbal Hossain
The Premier Bank Limited

Shahadat Hossain
BRAC

Nazmul Huda

Quazi Mahmud Iman (Bilu)
CFS Services

Md. Aminul Islam
City Apparel-Tex Co.

Md. Monjurul Islam
Bangladesh Fruits, Vegetables & Allied Products Exporters Association

Mohammed Jabbar
DBL Group

Ishrat Jahan
International Fertilizer Development Center (IFDC)

Humayun Kabir
Metal (Pvt.) Ltd.

Md. Khaleduzaman
Department of Livestock Services

Anwar A. Khan
Genesis Denim





Tanmoy Majumder
ACI Motors Ltd.

Abdul Awal Mintoo
Lal Teer Seed Limited

Md. Moniruzzaman
Sonali Enterprise

Bikash Chandra Paul
BT Logistics Ltd.

Toufiqur Rahman Khan
Bangladesh Bank

Masud Rana
Nexus Distributor

Subrata Ranjan Das
ACI Motors Ltd.

Md. Abdur Rashid
Lal Teer Seed Limited

Durlave Roy
Northern Agro Services Ltd.

Razon Chandra Saha
Bangladesh University of
Professionals

Hossain Sanwar
S. Hossain & Associates

Munem Shahriyar
ACI Motors Ltd.

Md. Firoze Sikder
Lal Teer Seed Limited

Sayema Sultana

Shakhawat Sumon
Shodesh Shipping & Logistic
Company

Md. Mostafa Talukder
M.S. Aleya Enterprise Ltd.

Azim Uddin
Ministry of Agriculture

Md. Amir Uddin
Bangladesh Bank

Md. Rais Uddin

Ahsan Ullah
Department of Agricultural
Extension (DAE)

Md. Fakhar Uz Zaman
Nasir Group of Industries

BELGIUM

Agriparc BVBA

Federal Agency for the Safety of
the Food Chain

Federal Public Service of
Health, Food Chain Safety and
Environment

FPS Mobility and Transport

Catherine Houssa
Simont Braun

Laura Janssens
Eubelius - Attorneys-at-Law

Johan Mouraux
DLA Piper

Sander Van Loock
Simont Braun

BENIN

Cabinet d'Avocats de Maître
Chiba Pulchérie Natabou

GUOCE

Modeste Abiala
Bolloré Transport & Logistics

Pierre Adisso
Consultant

Adolphe Adjanohoun
CNS-Mais/PPAO Bénin INRAB

Ludovic Franck Agbayahoun
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Virginie Ahivodji
Fececam-Bénin

Michel Kouvi Akognon
Bénin Gold Cashew Industries

Yao Akpo
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Constant Franck Théodule Coffi
Akpovo

Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Tchokpohoué Allomasso
Direction Générale de l'Eau

Taératou Aminou
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Rachel Araye Kpanou

Constance Bossa
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Augustin Chabossou
Université d'Abomey-Calavi

Abdoulwahid Dosso

Hippolyte Gansihounde
Société Vétérinaire du Bénin

Victorin Gbogbo
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Corneille Gnanvi
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Julien Coomlan Hounkpe
Université d'Abomey-Calavi

Guy Omer Codjo Hountondji
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Valère Houssou
ALIDÉ

Victorien D. Kougblenou
Agence Nationale du Domaine
et du Foncier (ANDF)

Taïrou Mama
Société Internationale de Transit
Touré

Carlos Quenum
Global Veterinary Agency

Minhahoué Tchoutchou
Ministère de l'Agriculture,
de l'Elevage et de la Pêche

Dossou Thierry Agossa

Gilles Togan
Maersk Benin SA

Moussa Toko

Joel Tossou

Christophe Tozo
New Vision Group SA

BOLIVIA

Aduana Nacional de Bolivia

Agromel SRL

Banco Fassil SA

Oscar F. Aguilar O.
Aguilar & Asociados SRL

Pamela Armaza
A. R. Logistics Bolivia

Geovanni Armaza R.
A. R. Logistics Bolivia

Ronald Armaza R.
A. R. Logistics Bolivia

Mauricio Becerra de la Roca
Donoso
Becerra de la Roca Donoso
& Asociados SRL

Jorge Berrios Arévalo
Servicio Nacional de Sanidad
Agropecuaria e Inocuidad
Alimentaria (SENASAG)

José Manuel Canelas Schütt
C.R. & F. Rojas Abogados

Martin Nelson Cazón Ortega
Instituto Nacional de Innovación
Agropecuaria y Forestal (INIAF)

René Chipana Rivera
Universidad Mayor de San Andrés

Gunnar Colombo Aguilera
Fast Transport Trading

Natalia Fernandez Eraso
Monsanto Argentina

Flavia Ferreira de Castro
Programa Feed & Food Seguro
Latinoamérica

Zoya Galarza Castellanos
Guevara & Gutiérrez SC Servicios
Legales

Juan García Cáceres
Servicio Nacional de Sanidad
Agropecuaria e Inocuidad
Alimentaria (SENASAG)

Javier Gorostiaga Vargas

Alberto Guzmán del Carpio
A.G.C. Consultora en Comercio
Exterior

Johanna Karen Herrera Rossel

Juan Carlos Ibañez Pereyra

Blanca Justiniano
CorpAgro SRL

Fabrizio Leigue Rioja
AG Logistics Bolivia SRL

Mauricio A. Molina
Aguilar & Asociados SRL

Ariel Morales
C.R. & F. Rojas Abogados

Ramiro Moreno Baldívieso
Estudio Moreno Baldívieso

Carlos Olmos
Aguilar & Asociados SRL

Luis Alvaro Ortuste Castillo
Quintanilla, Soria & Nishizawa

Carlos Osinaga Romero
Instituto Nacional de Innovación
Agropecuaria y Forestal (INIAF)

Dorian Pereyra Paz
Nibol Ltda

Silvia Quevedo
AG Logistics Bolivia SRL

Marisela Ribera
AG Logistics Bolivia SRL

Marcel Rivera Ballester
Guevara & Gutiérrez SC Servicios Legales

Alcides Rojas
Namefal SRL

Carlos Saavedra
Helvetas Swiss Intercooperation

Sandra Salinas
C.R. & F. Rojas Abogados, member of Lex Mundi

Wilden Ariel Salvatierra

Marco Villaruel
Association of Agricultural Input Suppliers (APIA)

Mariana Zamora
Totá Citrus

Alesia Zhuk
Becerra de la Roca Donoso & Asociados SRL

BOSNIA AND HERZEGOVINA

The Veterinary Office of Bosnia and Herzegovina

Eldin Alikadić
Ministry of Agriculture, Water Management and Forestry

Mirjana Brzica
Administration of Bosnia and Herzegovina for Plant Health Protection

Vedrana Budija
Schoenherr Attorneys-at-Law

Jakub Butkovic
MOFTER - Office for Coordination of Payment System in Agriculture, Food and Rural Development

Selma Čengić
HEIS

Salwa Cherni
HEIS

Dragana Divković
Ministry of Agriculture, Water Management and Forestry

Miroslav Djeric
Ministry of Communications and Transport

Nenad Đukić
Ministry of Agriculture, Forestry and Water Management of Republic of Srpska

Feđa Dupovac
Spaho Law Office

Braco Erceg
Mikrokreditno Društvo Mikrofin

Zehra Gilic
Food Safety Agency of Bosnia and Herzegovina

Adnan Hodžić
Dechra

Amir Husić
Lagermax AED Bosna i Herzegovina d.o.o.

Hamdo Katica
BH Telecom Sarajevo

Edvard Kotorić
Banking Agency of the Federation of Bosnia and Herzegovina (FBA)

Tarik Kupusović
HEIS

Igor Letica
Law Firm Sajić

Vladimir Markuš
Schoenherr Attorneys-at-Law

Selma Osmanagić-Klico
HEIS

Aleksandar Sajić
Law Firm Sajić

Hasib Salkić
Jump Logistics d.o.o.

Džavid Sefjović
MKF Lider

Emir Spaho
Spaho Law Office

Mehmed Spaho
Spaho Law Office

Selma Spaho Dupovac
Spaho Law Office

Dragan Stjak
Law Firm Sajić

Hamdo Tinjak
Ministry of Foreign Trade and Economic Relations

Elma Veledar-Arifagić
dmr legal d.o.o.

Dejan Žepić
Transkop d.o.o.

Igor Živadinović
MSD Animal Health

BRAZIL
Associação Nacional dos Exportadores de Cereais - ANEC

Buzaglos Dantas Advogados

Pontifical Catholic University of Minas Gerais

Sion Advogados

Veirano Advogados

Juliana Abreu
Presidência da República do Brasil

Paulo Afonso
Tropical Melhoramento & Genética (TMG)

Antônio Aires
Demarest Advogados

Daniel Albiero
Brazilian Association of Agriculture Engineers

Juliana Andrade
Siqueira Castro Advogados

Rogerio Andrade

Sérgio Ayrimoraes
National Water Agency

Ana Claudia Beppu
Mundie Advogados

Alexander Blanco de Oliveira
World Line Freight Forwarder Ltda

Alexei Bonamin
TozziniFreire Advogados

Bruno Caputi
Sindirações

Angelino Caputo e Oliveira
ABTRA - Associação Brasileira de Terminais e Recintos

Dantas Carneiro

Filipe Casellato Sabora
Passos e Sticca Advogados Associados

Fábiola Cavalcanti
TozziniFreire Advogados

Décio Claro
ADM do Brasil Ltda

Fabiano Coelho
Receita Federal do Brasil

Hideraldo Jose Coelho
Ministry of Agriculture

Iris Coelho da Fonseca
Siqueira Castro Advogados

Bruno Collischonn
National Water Agency

Luiz Américo Costa
Sementes Bom Jesus

Elinor Cotait
Mundie Advogados

Marcus Vinicius Pimentel
da Fonseca
TozziniFreire Advogados

Antonio Domingos Dal Más
Pinheiro Pedro Advogados

Yanko Marcias de Alencar Xavier
Universidade Federal do Rio Grande do Norte

Antonio Felix de Araujo Cintra
TozziniFreire Advogados

Luiza de Araujo Furiatti

Luiz Roberto de Assis
Levy & Saloamao Advogados

Rodrigo de Campos Vieira
TozziniFreire Advogados

Délton Winter de Carvalho
Unisinos - Law School

Julia de Lamare
Rennó, Penteado, Reis & Sampaio Advogados

Eduardo Augusto de Oliveira
Ramires
Manesco, Ramires, Perez, Azevedo Marques Sociedade de Advogados

Barbara Bassani de Souza
TozziniFreire Advogados

Joao Delgado
Brazilian Association of Machinery and Equipment

Murilo Domene
Demarest Advogados

Marcelo Leandro Faria
Sementes Bom Jesus

Frederico Favacho
Favacho, Massarente e Silva Jr. Advogados

Pedro Ferraz
Levy & Saloamao Advogados





Kenneth Ferreira <i>TozziniFreire Advogados</i>	Luiza Martorano <i>Mundie Advogados</i>	Michelle Sant'Ana de Oliveira <i>Cargill Alimentos Ltda</i>	Ahmad Nassourou Cisse
Flavia Ferreira de Castro <i>Programa Feed & Food Seguro Latinoamérica</i>	Ralph Melles Sticca <i>Passos e Sticca Advogados Associados</i>	Franklin Santos <i>ADM do Brasil Ltda</i>	Koncourou Coulibaly <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>
Nadio Filho <i>SMX Logistics</i>	Gildete Menezes <i>Associação Nacional do Transporte de Cargas e Logística (NTC)</i>	Paulo Santos <i>Associação Brasileira de Sementes e Mudas</i>	Guiguigbaza-Kossigan Dayo <i>Centre International de Recherche-Développement sur l'Elevage en Zone Subhumide (CIRDES)</i>
Rodrigo Flecha <i>National Water Agency</i>	Angela Missaglia <i>Sindirações</i>	Marcus Vinicius Segurado Coelho <i>Ministry of Agriculture, Livestock and Food Supply</i>	Mamadou Cellou Diallo <i>Société de Développement du Pôle de Développement de Bagré (Bagrépôle)</i>
Marina Gadelha <i>Queiroz Cavalcanti Advocacia</i>	Álvaro Moraes <i>Transbrasa</i>	Donizetti Antonio Silva <i>DAS Consultoria</i>	Pierre Djiguemdé <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>
Fábio Góis <i>Pinheiro Neto Advogados</i>	Simone Paschoal Nogueira <i>Siqueira Castro Advogados</i>	Lauro Valdivia <i>Associação Nacional do Transporte de Cargas e Logística (NTC)</i>	Amidou Garane <i>Université de Ouagadougou</i>
Caio Gomes <i>Siqueira Castro Advogados</i>	Benedito Oliveira <i>ANATEL</i>	Roberto Vianna do Rego Barrios <i>Campos Mello Advogados</i>	Philippe Goabga <i>Telecel Faso</i>
Caroline Gomes <i>Pinheiro Neto Advogados</i>	Andre Ricardo Passos de Souza <i>Passos e Sticca Advogados Associados</i>	Luis Vigolo <i>Sementes Bom Jesus</i>	Innocent K. Hien <i>United Bank for Africa Burkina (UBA Burkina)</i>
Maria Luiza Granziera <i>M. Granziera Consultoria Ltda</i>	Beatriz Paulo de Frontin <i>Barbosa, Müssnich & Aragão Advogados</i>	Nelson Jose Vigolo <i>Sementes Bom Jesus</i>	Saïdou Kabré <i>Association des Grossistes et Détailleurs d'Intrants Agricoles du Burkina Faso (AGRODIA)</i>
Marco Guerra <i>König do Brasil Carga Internacional Ltda</i>	Rouverson Pereira da Silva <i>Paulista State University</i>	Thaís Villela	Cyrille Kambire <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>
Raphael Guerra <i>König do Brasil Carga Internacional Ltda</i>	Nivio Perez dos Santos <i>New-Link Com. Ext. Ltda</i>	Irene Virgilio <i>HM. Clause</i>	Fodé Kébé <i>Union des Mutualles d'Epargne et de Crédit des Artisans et des Producteurs du Burkina (UMECAP)</i>
Fernando Guimaraes <i>Limagrain France</i>	Antonio Fernando Pinheiro Pedro <i>Pinheiro Pedro Advogados</i>	Maria Eduarda Wiederkehr Emerenciano, Baggio & Associados Advogados	Timbifou Kiendrebeogo <i>Institut de l'Environnement et de Recherches Agricoles (INERA)</i>
Patricia Guimarães <i>Universidade Federal do Rio Grande do Norte</i>	Renata Pisaneschi <i>Machado Associados Advogados e Consultores</i>	Ariovaldo Zani <i>Sindirações</i>	Issaka Kolga Fagri
Pedro Leao <i>Santos Neto Advogados</i>	Marcelo Prado <i>Agência Nacional de Transportes Terrestres (ANTT)</i>	BURKINA FASO	Eloi Nombré <i>Union Nationale des Producteurs d'Anacarde</i>
Carolina Leite <i>Santos Neto Advogados</i>	Christian Ramos <i>Ramos e Zuanon Advogados</i>	Richard Bernard Anago <i>Ministère du Développement de l'Économie Numérique et des Postes</i>	Mamadou Ouattara <i>Chambre de Commerce et d'Industrie du Burkina Faso (CCI BF)</i>
Luiz Gustavo Lemos Fernandes <i>Emerenciano, Baggio & Associados Advogados</i>	Antonio Reis <i>Rennó, Penteado, Reis & Sampaio Advogados</i>	Dominique Bassole	Moussa Ouattara <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>
Tiago Lessa <i>Pinheiro Neto Advogados</i>	Selma Ribeiro <i>Santos Neto Advogados</i>	Zakaria Bengaly <i>Centre International de Recherche-Développement sur l'Elevage en Zone Subhumide (CIRDES)</i>	Eliane Ouedraogo <i>United Bank for Africa Burkina (UBA Burkina)</i>
Gabriel Leutewiler <i>Santos Neto Advogados</i>	Fabio Rodarte <i>Levy & Saloamao Advogados</i>	Adama Bitié <i>Fisconsult-Bitié & Associés</i>	
Rafael Lopes <i>Pinheiro Guimaraes</i>	Sônia Rotondo <i>Associação Nacional do Transporte de Cargas e Logística (NTC)</i>	Boukary Boly <i>Société d'Exportation du Faso (SEFA)</i>	
Mateus Maia <i>Demarest Advogados</i>	Eduardo Salomao Neto <i>Levy & Saloamao Advogados</i>		
Teresa Martinez <i>HM. Clause</i>			
Anderson Luiz Martins de Moura <i>Vella Pugliese Buosi e Guidoni Advogados</i>			

Galiam Sidi Mohamed Ouedraogo <i>Ministère du Développement de l'Économie Numérique et des Postes</i>	Hmadou Zongo <i>United Bank for Africa Burkina (UBA Burkina)</i>	Pierre Claver Nahimana <i>Compagnie de Gérance du Coton</i>	Saintdona Chea <i>Ministry of Agriculture, Forestry and Fisheries</i>
Yassia Ouedraogo <i>UCOBAM</i>	Nongobzanga Zongo <i>Autorité de Régulation des Communications Electroniques et des Postes (ARCEP)</i>	Janvier Ndericimpaye <i>CRDB Bank</i>	Virak Chea
Roger Omer Ouédraogo <i>Association Professionnelle des Transitaires & Commissionnaires en Douane Agrées</i>		Francoise Ngozirazana <i>SOGESTAL</i>	Te Chum <i>SCG Trading Co., Ltd.</i>
Emma Palm Zowelenge <i>Ministère de l'Eau et de l'Assainissement</i>		Samuel Nibitanga <i>SOGESTAL</i>	Bomakara Heng <i>National Bank of Cambodia</i>
Pierre Sanon	BURUNDI	Emery Ninganza <i>Christian Aid</i>	Pinnara Ket <i>Institute of Technology of Cambodia (ITC)</i>
Carine Sanou <i>United Bank for Africa Burkina (UBA Burkina)</i>	Jean-Claude Barakamfitiye	Célestin Niyongere <i>Institut des Sciences Agronomiques du Burundi (ISABU)</i>	Sereyvuthy Khan <i>A&D Law Office</i>
Daouda Sanou <i>Orange Burkina Faso SA</i>	Philibert Baranyanka <i>Université du Burundi</i>	Audace Niyonzima <i>Office Burundais des Recettes</i>	Ham Kimkong <i>E&A Consultant Co., Ltd.</i>
Omer Sanou <i>Ministère de l'Eau et de l'Assainissement</i>	Innocent Bigirimana <i>Banque de la République du Burundi</i>	Novat Niyungeko <i>Burundi Insurance Corporation BICOR SA</i>	Tayseng Ly <i>HBS Law Firm & Consultants</i>
R. Abdoulaye Semdé <i>Service National des Semences du Burkina Faso</i>	Jean Claude Bigirimana <i>Institut des Sciences Agronomiques du Burundi (ISABU)</i>	Anicet Nkurikiye	Sadao Matsubara <i>HBS Law Firm & Consultants</i>
Ibrahim Sori <i>Bureau National des Sols (BUNASOL) du Burkina Faso</i>	Déogratias Bizindavyi <i>Agence de Régulation et de Contrôle des Télécommunications (ARCT)</i>	Laurent Nkurikiye <i>BUCOFO</i>	Sarom Men <i>Royal University of Agriculture</i>
Issouf Soulama <i>Ministère du Développement de l'Économie Numérique et des Postes</i>	François Butoke	Alexis Ntamavukiro <i>International Fertilizer Development Center (IFDC)</i>	Saing Ngorn <i>RMA Group Cambodia</i>
S. Evariste Tapsoba <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>	Leone Comin <i>International Fertilizer Development Center (IFDC)</i>	Eric Ntangaro <i>Association des Transporteurs Internationaux du Burundi (ATIB)</i>	Sophea Om <i>Acleda Bank PLC</i>
Karim Traore	Prosper Dodiko <i>Ministère de l'Agriculture et de l'Élevage</i>	Daniel Ntawurishira <i>SDV Logistics</i>	Allen Prak <i>P&A Asia Law Office</i>
Seydina Oumar Traore <i>Ministère de l'Agriculture et des Aménagements Hydrauliques</i>	Fidèle Gahungu <i>Office National de Contrôle et de Certification des Semences (ONCCS)</i>	Gilbert Ntiyankundiye <i>GCFA</i>	Channa Samorn <i>GIZ ASEAN Sustainable Agrifood Systems (GIZ ASEAN-SAS)</i>
Valentine C. Yapi-Gnaoré <i>Centre International de Recherche-Développement sur l'Elevage en Zone Subhumide (CIRDES)</i>	Frederic Hatungimana	Lydia Rasoanirina <i>John W. Fooks & Co.</i>	Hardy Schneider <i>German Cooperative and Raiffeisen Confederation (DGRV)</i>
Nouhoun Zampaligre <i>Institut de l'Environnement et de Recherches Agricoles (INERA) / Centre International de Recherche - Développement sur l'Elevage en Zone Sub humide (CIRDES)</i>	Richard Kaderi <i>African Promotion Company (APROCO)</i>	Boland Rasquinha <i>Pharma Bolena</i>	Leung Seng <i>VDB Loi Cambodia</i>
Lassané Zoma <i>Université Ouaga II</i>	Désiré Manirakiza <i>Consortium des Coopératives de Caficulteurs (COCOCA)</i>	Ena Rasquinha <i>Pharma Bolena</i>	Daline Sok
	Théoneste Manirambona		Saran Song <i>Amru Rice (Cambodia) Co. Ltd.</i>
	Ben Ali Massoundi <i>BGMB</i>	Amret Microfinance Institution	Potim Yun <i>VDB Loi Cambodia</i>
	Cyrille Mbonihankuye <i>Institut des Sciences Agronomiques du Burundi (ISABU)</i>	Axiata Group Berhad	CAMBODIA
	Deusdeddit Mchomba <i>CRDB Bank</i>	Sithisak Law Office	
	Abdoul Mtoka <i>Trust Juris Chambers</i>	Trois S (Cambodge) Logistics Solution	
		Saruth Chan <i>Ministry of Agriculture, Forestry and Fisheries</i>	CAMEROON
			Hamadjam Ahmadou Alkaissou <i>Ministère de l'Elevage, des Pêches et des Industries Animales</i>
			Jacob Mfonka'a Atanga <i>Ministère de l'Agriculture et du Développement Rural</i>





Hamman Atkam <i>Ministère de l'Elevage, des Pêches et des Industries Animales</i>	Samuel Issowa Iyon <i>Camtel</i>	Daniel Claude Wang Sonne <i>Ministère de l'Energie et de l'Eau</i>	Ellen Sparry <i>C&M Seeds</i>
Francoise Chantal Ayangma Ntsama <i>Clinique Vétérinaire La Faune du Centre</i>	Kazi Jean Philippe <i>National Veterinary Laboratory</i>	Henri René Zambou <i>Equavet Group</i>	
Raymond Ayene <i>Agence de Régulation des Télécommunications</i>	Daniel Kalbassou <i>Crédit du Sahel (CDS)</i>	Serges Martin Zangue <i>Cabinet Zangue & Partners</i>	
Ndjib Bahoya <i>Conseil Interprofessionnel des Sociétés d'Assainissement au Cameroun (CISAC)</i>	Jean Raphaël Kana <i>Université de Dschang</i>		
Frédéric Bandon Mboyong <i>Programme National de Développement Participatif (PNPD)</i>	Vincent Lissom <i>Independent Consultant</i>		
Steve Martial Banok <i>Union de la Jeunesse Africaine pour le Développement (UJAD)</i>	Jean René Loumou Nono <i>Agence de Régulation des Télécommunications</i>		
Gisèle Baak epse Bedoung <i>Ministère de l'Agriculture et du Développement Rural</i>	Guy Parfait Maga <i>Projet d'Amélioration de la Compétitivité Agricole</i>		
Jean-Marie Vianney Bendégué IG/MINDCAF	Josian Edson Maho Yalen <i>Ecole Normale Supérieure de l'Université de Yaoundé</i>	Janet L. Bobechko <i>Norton Rose Fulbright</i>	
Eric Biwole <i>AGROGIC</i>	Carl Mbeng <i>Centurion Law Group</i>	Chris Chivilo <i>W.A. Grain & Pulse Solutions</i>	
Isidore Biyiba <i>Guichet Unique des Operations du Commerce Exterieur-Gie</i>	Roger Mongono <i>Association Bananière du Cameroun (ASSOBACAM)</i>	Larry Cobb <i>Stikeman Elliott LLP</i>	
Benoît Bouato <i>Comité des Pesticides d'Afrique Centrale</i>	Irène Nguelewou Matho <i>Centre d'Etudes et de Recherche de l'Université Yaoundé II, et Green Horizon</i>	Rosalind H. Cooper <i>Fasken Martineau DuMoulin LLP</i>	
David Bwemba <i>West Africa Marine Solutions</i>	Urbain Nini Teunda	Harry Dahme <i>Gowling WLG</i>	
Eric Didier Myemeck <i>Programme National de Développement Participatif (PNPD)</i>	Benga Nomen Christopher <i>Express Cargo</i>	Michael J. Fortier <i>Torys LLP</i>	
Leclère Diffo <i>Green Horizon</i>	Edouard Nya <i>Ministère de l'Agriculture et du Développement Rural</i>	Remi Gosselin <i>Canadian Grain Commission</i>	
Yannick Wilfreid Djemeni <i>Lawyer</i>	Charles Nying Shey <i>Ministère de l'Agriculture et du Développement Rural</i>	Leonard J. Griffiths <i>Bennett Jones LLP</i>	
Serge Esso <i>MTN Cameroon</i>	Joseph Antoine Onambele <i>Joseph Antoine Onambele Law Firm</i>	Mary Jane Ireland <i>Health Canada</i>	
Lucien Essomba <i>Chambre d'Agriculture Ouest</i>	Rose Eliane Penda <i>Ministère de l'Elevage, des Pêches et des Industries Animales</i>	Catherine Jaworski <i>Canadian Grain Commission</i>	
Edwin Fongod	Godefroy Piam Fokam <i>Gradit international</i>	Kelly Krause	
Albert Ichakou Mota	Theodore Pouokam <i>Lawyer</i>	Theresa McClenaghan <i>Canadian Environmental Law Association</i>	
Caroline Idrissou-Belingar <i>Banque des États de l'Afrique Centrale (BEAC)</i>	Audrey Tchouasseu <i>Lawyer</i>	David Morris <i>Ontario Cereal Crops Committee - OCCC</i>	
	Kevine Tchoumba <i>Lawyer</i>	Marcos Mosnaim <i>Globeways Canada Inc.</i>	
		Surinder Saini <i>Canadian Food Inspection Agency</i>	
		Laura Scott <i>Canadian Food Inspection Agency</i>	
			Cristian Garate
			Mariza Gomez <i>Araya & Cía Abogados</i>

CHILE*Grasty Quintana Majlis & Cía.**Leticia Acosta Aguirre
Redlines Group**Richard Alvarado Carrasco
ILS Chile**Guillermo Aparicio Muñoz
Servicio Agrícola y Ganadero (SAG)**Matías Araya
Araya & Cía Abogados**Pablo Arriagada Feris
Superintendencia de Valores y Seguros**Jose Luis Arumi
Universidad de Concepción**Rodrigo Astete Rocha
Servicio Agrícola y Ganadero (SAG)**Pedro Pablo Ballivian Searle
Barros & Errázuriz Abogados**Marlene Brokering
Brokering Abogados**Valeria Capurro Pacheco
MSD Animal Health**Jorge Claude
Asociación de Aseguradores de Chile AG (AACH)**Mónica Contreras Jara
Servicio Agrícola y Ganadero (SAG)**Joaquín Cortez Huerta
Superintendencia de Valores y Seguros**Juan Patricio Cristi**Rafael Durán Sanhueza
Durán & Cía Abogados**Carlos Estévez Valencia
Consultant**Flavia Ferreira de Castro
Programa Feed & Food Seguro Latinoamérica**Patricio Felipe Gajardo
Gajardo & Rodriguez Abogados**Cristian Garate**Mariza Gomez
Araya & Cía Abogados*

José Ignacio Gómez <i>Servicio Agrícola y Ganadero (SAG)</i>	Alvaro Sepúlveda Luque <i>Servicio Agrícola y Ganadero (SAG)</i>	Danian Zhang <i>Baker & McKenzie</i>	German Carrillo <i>MSD Animal Health</i>
Nicolás Andres Gómez Correa <i>Salinas y Fábricas SA</i>	Alfonso Silva <i>Carey y Cía Ltda</i>	Jun (Francisco) Zhang <i>Tian Yuan Law Firm</i>	Diego Chalarca Rodriguez <i>Independent Consultant</i>
Eduardo Martin <i>Carey y Cía Ltda</i>	Alan Smith <i>Smith y Cía</i>	Xiaoke (Oliver) Zhang <i>Baker & McKenzie</i>	Julián Camilo Cruz González <i>Cruz & Asociados</i>
Raul Mazzarella <i>Carey y Cía Ltda</i>	Cristian Soto <i>Cooperativa de Riego</i>	Ke Zhou <i>Renmin University of China</i>	Daniel Currea <i>Holland & Knight</i>
Claudia Mejías <i>Boehringer Ingelheim Animal Health</i>	Isabel Tapia <i>Bayer Animal Health</i>	Jeffrey Zhu <i>Global Law Office</i>	Dionisio De La Cruz Camargo <i>Archila Abogados</i>
Loreto Mery <i>Consultant</i>	Carlos Torres <i>Redlines Group</i>		Javier Díaz Molina <i>Asociación Nacional de Comercio Exterior - ANALDEX</i>
Camilo Morales Saavedra	Pablo Varas Siriani <i>GEA Farm Technologies Chile SpA</i>		Dagoberto Esquivia Agames <i>Dirección de Impuestos y Aduanas Nacionales</i>
José Miguel Morán <i>Asociación Chilena de Riego y Drenaje (AGRYD)</i>	Tomás Vidal <i>Cariola Diez Perez-Cotapos</i>	FENALCO	Alejandra Farias <i>Instituto Colombiano Agropecuario (ICA)</i>
Sebastián Norris <i>Araya & Cía Abogados</i>	Fabiane Zwirtes <i>Ewos Chile Alimentos Ltda</i>	Premex SAS	Flavia Ferreira de Castro <i>Programa Feed & Food Seguro Latinoamérica</i>
Manuel Nuñez Poblete <i>Facultad de Derecho, Pontificia Universidad Católica de Valparaíso</i>		Solla SA	Javier Andrés Franco Zárate <i>Franco & Abogados Asociados</i>
Alberto Oltra <i>DHL Global Forwarding</i>	Wang Canfa <i>China University of Political Science and Law</i>	Superintendencia Financiera de Colombia	José Roberto Galindo <i>Instituto Colombiano Agropecuario (ICA)</i>
Matías Osse <i>Carey y Cía Ltda</i>	Michael Chen <i>JunHe</i>	Yara	Fredy Camilo García Moreno <i>Consejo Superior del Transporte</i>
José Ignacio Ovalle <i>Barros & Errázuriz Abogados</i>	Liping Dai <i>Utrecht University</i>	Carlos Ernesto Acero Sánchez <i>Confederación de Cooperativas de Colombia (CONFECOOP)</i>	Giovanni Andres Gomez Camelo <i>Asociación Nacional de Comercio Exterior - ANALDEX</i>
Claudia C. Pizarro Pino <i>Asesorías Improve Ltda</i>	Daniel He <i>JunHe</i>	Ivannia Aguilar Camacho <i>Zoetis</i>	Carlos Jair Gómez Guzmán <i>Parra Rodríguez Abogados SAS</i>
María Paz Pulgar <i>Philippi Prietocarrizosa Ferrero DU & Uría</i>	Shaofeng Jia <i>Institute of Geographic Sciences and Natural Resources Research, Chinese Academy of Sciences</i>	John Jairo Alarcón Restrepo <i>Instituto Colombiano Agropecuario (ICA)</i>	Enrique Gomez-Pinzon <i>Holland & Knight</i>
Gonzalo Rivera <i>Brokerings Abogados</i>	Min Jiang <i>University of Melbourne</i>	Emilio Arevalo Penaranda <i>Instituto Colombiano Agropecuario (ICA)</i>	William Rene Gutierrez Oregon <i>Instituto Colombiano Agropecuario</i>
Andrés Rodríguez <i>Barros & Errázuriz Abogados</i>	Liu Liu <i>Jiangsu Qianhong SCM Co., Ltd.</i>	Leonardo Ariza <i>Acosemillas</i>	Gelber Norberto Gutiérrez Palacio <i>Universidad Central / Agua, Urbanismo & Ambiente Ingeniería SAS AUA Ingeniería SAS</i>
Jenny Rojas <i>Cargill Chile</i>	Weiwei Luo <i>Beveridge & Diamond PC</i>	Andrés Bernal <i>Real Carga Ltda</i>	John Hernandez Nopsa <i>Corpoica</i>
Gabriel Saavedra <i>Instituto Nacional de Investigaciones Agropecuarias (INIA)</i>	Rodolphe Thiebaut <i>Vilmorin-Mikado</i>	Diana Bernal <i>Real Carga Ltda</i>	Juan Nicolas Laverde
Marco Salinas <i>Servicio Agrícola y Ganadero (SAG)</i>	Howard Wu <i>Baker & McKenzie</i>	Martha Camargo <i>Confederación de Cooperativas de Colombia (CONFECOOP)</i>	Jorge Leal <i>Confederación de Cooperativas de Colombia (CONFECOOP)</i>
Oscar Santa María Osse <i>Transportes Cono Sur</i>	Xiong Yin <i>Tian Yuan Law Firm</i>	Juan Diego Cano Garcia <i>Asociación Nacional de Comercio Exterior - ANALDEX</i>	
	Ming Zhai <i>Bondex</i>		



Luis Fernando Macías Gómez <i>Macías Gómez & Asociados</i> <i>Abogados</i>	Mariana Sarmiento Argüello <i>Comisión de Regulación de</i> <i>Comunicaciones</i>	Jonathan Bononge <i>Rocat SARL</i>	Serge Mangungu <i>DHL Global</i>
William Marín <i>Productos Familia</i>	Carol Sosa <i>Agencia Nacional del Espectro</i>	Guillaume Bononge Litobaka <i>Rocat SARL</i>	Sebebimi Manzina <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>
Felipe Marquez <i>Holland & Knight</i>	Mc Allister Tafur Garzón <i>Instituto Colombiano</i> <i>Agropecuario (ICA)</i>	Henry E. Braun <i>Buo SA</i>	Bertin Matumo <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>
Hernán Mejía <i>Casa Toro Automotriz SA</i>	Paola Tapiero <i>Trade Leader</i>	Pierre Bukasa Katambayi <i>Association Interprofessionnelle</i> <i>des Semences du Congo (AISC)</i>	Patou Monkinda Molanga <i>ProCredit Bank</i>
Maritza Melo Rodriguez <i>Instituto Colombiano</i> <i>Agropecuario (ICA)</i>	William Torres <i>MINTIC</i>	Romain Ciza	Popol Muamba Mukengeshayi <i>Emery Mukendi Wafwana &</i> <i>Associates, SC-P</i>
Sergio Michelsen	Norberto Urritia <i>Universidad del Valle</i>	Ivan Godfroid <i>Rikolto</i>	Emery Mukendi Wafwana <i>Emery Mukendi Wafwana &</i> <i>Associates, SC-P</i>
Claudia Liliana Molina Campos <i>Boehringer Ingelheim Animal</i> <i>Health</i>	María Fernanda Usobilaga Velásquez <i>MF Usobilaga Consultores</i> <i>Ambientales</i>	Georges Gulemvuga <i>Commission Internationale</i> <i>du Bassin Congo - Oubangui -</i> <i>Sangha</i>	Leopold Mumbere <i>Rikolto</i>
Fabiola Moreno Martinez <i>Instituto Colombiano</i> <i>Agropecuario (ICA)</i>	Camilo Valencia <i>Camilo Valencia Abogados</i>	Mairon Issa Saidi <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>	Johnny Mundu <i>Coopérative des Producteurs et</i> <i>des Négociants du Café au Kivu</i> <i>(CPNCK)</i>
Francisco Javier Morón López <i>Parra Rodriguez Abogados SAS</i>	Carolina Vargas Arévalo <i>Agencia de Aduanas Mircana SA</i> <i>Nivel 1</i>	Roger Kambale Paluku <i>Consultant</i>	Nicaise Navanga <i>SDV Logistics</i>
Daniel Humberto Palomino Viera <i>Parra Rodriguez Abogados SAS</i>	Lilalba Vinasco <i>Instituto Colombiano</i> <i>Agropecuario</i>	Tony Maloha Akondoko Kapalata	Tresor Nsuadi <i>Société d'Exploitation du Guichet</i> <i>Unique Intégral du Commerce</i> <i>Extérieur (SEGUCE)</i>
Lissa Parra Alarcón	Ester Vivas Benítez	Benoit Kapila <i>SDV Logistics</i>	Luciens Nyembo Kimuni <i>University of Lumumbashi</i>
Laura Pasculli <i>Asociación Nacional de</i> <i>Empresarios de Colombia (ANDI)</i>	Santiago Wills <i>Lewin & Wills Abogados</i>	Albert Kasoko <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>	Joseph Okitokoko <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>
Johnier Pavas Manrique <i>Proconvet SA</i>	Carlos Arturo Zuluaga Ocampo <i>Boehringer Ingelheim Animal</i> <i>Health</i>	Ndona Kayamba Roger <i>University of Bandundu</i> <i>Agronomy</i>	Destin Pelete <i>La Generale de Services la</i> <i>Fontaine</i>
Yenny Catherine Pinilla López <i>Instituto Colombiano</i> <i>Agropecuario (ICA)</i>	María Jimena Zuluaga Villegas <i>Carval de Colombia</i>	Laura Kokolo <i>Société d'Exploitation du Guichet</i> <i>Unique Intégral du Commerce</i> <i>Extérieur (SEGUCE)</i>	Joseph Plesers <i>GTM</i>
Edisson Pulido Delgado <i>Compañía California SA</i>	<hr/> CONGO, DEM. REP.		
Néstor Restrepo Rodríguez	Bang Xin Industry & Trade Co.	Beni Guy Komanda <i>Comexas</i>	Xavier Pollet <i>Comexas</i>
Inés Restrepo Tarquino <i>Instituto de Investigación y</i> <i>Desarrollo en Agua Potable,</i> <i>Saneamiento Básico y</i> <i>Conservación del Recurso Hídrico</i> <i>(CINARA)</i>	Grégoire Bakandeja <i>Tshibangu Ilunga & Partners SCA</i>	Dorothée Madiya Mwamba <i>Cabinet Dorothée Madiya</i>	Stephane Ramquet <i>Comexas</i>
Nicolas Robledo	Nathalie Banza <i>SDV Logistics</i>	Gilbert Makelele <i>Coopérative des Producteurs et</i> <i>des Négociants du Café au Kivu</i> <i>(CPNCK)</i>	Jacqueline Sadel-Nilong <i>Service National des Semences</i> <i>(SENACEM)</i>
Bernardo Rodríguez Ossa <i>Parra Rodriguez Abogados SAS</i>	Fernando Barbosa <i>Société d'Exploitation du Guichet</i> <i>Unique Intégral du Commerce</i> <i>Extérieur (SEGUCE)</i>	Sylvain Malu <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>	Christian Tebila Kiaku <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>
Gabriel Roldán <i>Universidad Católica de Oriente</i>	Alain Betu <i>Vodacom RDC</i>	Damas Mamba <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>	Albert Wumba <i>Aspen Congo</i>
Nader Samih <i>Productos Familia</i>	Richard Biemo Sofy <i>Ministère de l'Agriculture, de</i> <i>l'Élevage et de la Pêche</i>		
Julian Santos <i>Holland & Knight</i>			



CÔTE D'IVOIRE

Barry Callebaut	Franck Lokrou <i>CONDICAF</i>	Zvonimir Safranko <i>Faculty of Economics and Business, University of Zagreb</i>	<i>EW Nutrition</i>
EOLIS	Sanogo Malamine	Marta Šarić <i>Divjak Topic Bahtijarevic Law Firm</i>	<i>Finanstilsynet</i>
Ministère de l'Agriculture et du Développement Rural	Loucou Olive Feza Mbahia <i>Yara Côte d'Ivoire</i>	Ing. Ivan Varnica <i>Croatian Agency for Agriculture and Food (HAPIH)</i>	<i>Jumbo Transport A/S</i>
SACO	Melaine N'dah <i>Cabinet d'Avocats d'Affaires Traoré Bakari</i>	Željka Velić-Dvorščak <i>Law Firm Željka Velić-Dvorščak&Silvije Skerlev and Partners</i>	Andreas B. Andersen <i>Limagrain Denmark</i>
Achille Bassia <i>Yara Côte d'Ivoire</i>	Koffi Rodrigue N'Guesso <i>Ministère de l'Agriculture et du Développement Rural</i>	Iva Vukoj <i>Divjak Topic Bahtijarevic Law Firm</i>	Thomas Bang <i>DLA Piper</i>
Jules César Bayilé <i>Inter Afrique Négoce et Distribution (INADIS)</i>	Ake Edouard Nongbe		Kurt Helles Bardeleben <i>DLA Piper</i>
Françoise Mariame Bedie <i>Groupement Professionnel des Exportateurs de Café et de Cacao</i>	Deborah Paint <i>Cocoa Trade Ivoire</i>		Marie Blanner <i>The Danish Environmental Protection Agency</i>
Binde Binde <i>Africa Trans-Logistics International</i>	Moussa Sanogo <i>Laboratoire National d'Appui au Développement Agricole (LANADA)</i>		Camilla Bonde
Jean-Luc Chalhoub <i>Orange Côte d'Ivoire</i>	Mèhin Silué <i>Ministère de l'Agriculture et du Développement Rural</i>		Nils Elmegaard <i>The Danish Seed Council</i>
Albert Diadhiou <i>Cocoa Trade Ivoire</i>	Ibrahim Sylla <i>Ministry of Transport</i>		Magnus Gorridsen Fischer <i>DLA Piper</i>
Azi Leopold Diby <i>Association Nationale des Semenciers de Côte d'Ivoire (ANASEMCI)</i>	Bakari Traoré <i>Cabinet d'Avocats d'Affaires Traoré Bakari</i>		Alexander Grønlund <i>DLA Piper</i>
Salomon Ekra <i>Nestle Côte d'Ivoire</i>	Stanislas Zézé <i>Bloomfield Investment Corporation</i>		Thor Gunnar Kofoed <i>The Danish Seed Council</i>
Kouadio Jean Esse <i>Ministère de l'Agriculture et du Développement Rural</i>	Manni Zogbe <i>Ministère de l'Agriculture et du Développement Rural</i>		Ole Horsfeldt <i>Gorrissen Federspiel</i>
Silue Gnénéyéri <i>Ministère de l'Agriculture et du Développement Rural</i>			Troels Lilja <i>Copenhagen Business School</i>
Jean Patrice Jourda <i>Université Félix Houphouët-Boigny</i>			Kristoffer Linnet Thomsen <i>Yara</i>
Sangah Kignaman Soro <i>Cabinet Kignaman Soro</i>			Hana Mertová <i>Central Institute for Supervising and Testing in Agriculture (UKZUZ)</i>
Yves Komaclo <i>Oikocredit</i>			Kasper Lykkegaard Sorensen <i>Spedman Global Logistics AB</i>
Youssouf Koné <i>Groupement Professionnel des Exportateurs de Café et de Cacao</i>			Gitte Nielsen <i>The Danish Environmental Protection Agency</i>
Nathalie Kouadio <i>Autorité de Régulation des Télécommunications de Côte d'Ivoire</i>			Karina Hegelund Nielsen <i>The Danish Agricultural Agency</i>
Lucien Kouamé <i>Ministère de l'Agriculture et du Développement Rural</i>			Klaus Nissen <i>Dansk Maskinhandlerforening (DM)</i>

CROATIA

Emir Bahtijarević <i>Divjak Topic Bahtijarevic Law Firm</i>	Petr Opluštil <i>Havel & Partners s.r.o., advokátní kancelář</i>
Ksenija Bistrović <i>Ministry of Agriculture</i>	Jaroslav Poruba <i>Šlechtitelská stanice, a.s. - CEZEA</i>
Lucija Čolak <i>Ostermann & Partners LLP</i>	Václav Rovenský <i>Kocián Šolc Balaštík, advokátní kancelář, s.r.o.</i>
Mia Kanceljak <i>Law Firm Bardek, Lisac, Mušec, Skoko in cooperation with CMS Reich-Rohrwig Hainz Rechtsanwälte GmbH</i>	Jan Tyrychtr <i>Faculty of Economics and Management Czech University of Life Sciences</i>
Antonia Mihaljević <i>Divjak Topic Bahtijarevic Law Firm</i>	Vojtěch Vomáčka <i>Masaryk University</i>
Predrag Persak <i>Fanon Doo</i>	

DENMARK

<i>Danish Energy Agency</i>
<i>Danish Veterinary and Food Administration</i>



DOMINICAN REPUBLIC

Pedro Almonte <i>Ministerio de Agricultura</i>	Fabiola Medina <i>Medina Garrigó Abogados</i>
Patricia Álvarez <i>Medina Garrigó Abogados</i>	Leonel Melo <i>OMG</i>
Eduardo Rodríguez Apolinario <i>Dirección General de Aduanas</i>	Hamlet Montás <i>Camara de Comercio y Producción de Santo Domingo</i>
Laura Bobea <i>Medina Garrigó Abogados</i>	Rafael Morel <i>Total Logistics Freight</i>
Miguel Cano <i>Squire Patton Boggs Peña Prieto Gamundi</i>	Apolinar Muñoz <i>Schad Consulting</i>
Sandy Cartagena <i>Mvio Logística SRL</i>	Santiago José Muñoz Tapia <i>Servicio Geológico Nacional (SGN)</i>
Emmanuel Cedeno <i>OMG</i>	Misdania Paulino <i>Fenwal International, Inc.</i>
Rodolfo Mesa Chávez <i>Mesa & Mesa Abogados</i>	Raúl Peralta G. <i>Ministerio de Agricultura</i>
Manuel Conde Cabrera <i>Russin Vecchi & Heredia Bonetti</i>	Angel Emmanuel Perez <i>Souffront</i> <i>Dirección General de Aduanas</i>
Euren Cuevas Medina <i>INSAPROMA</i>	Rafaelina Pichardo <i>Semidom SRL</i>
Ricardo de los Santos <i>Federación Nacional de Transporte Dominicano (FENATRADO)</i>	Aimée Prieto <i>Prieto Cabrera & Asociados</i>
Ruben Edmead <i>Marítima Dominicana</i>	Virginia Devi Quiñones Puig <i>Dirección General de Ganadería (DIGEGA)</i>
Joaquín Guillermo Estrella Ramia <i>Estrella & Tupete, Abogados</i>	Domingo Rengifo <i>Instituto Dominicano de Investigaciones Agropecuarias y Foretales (IDIAT)</i>
Zenon Felipe <i>Marítima Dominicana</i>	Jose Antonio Reyes <i>Ageport, Agentes y Estibadores Portuarios</i>
Fernando Fernandez <i>Total Logistics Freight</i>	Yenny Rodriguez <i>Servicio Geológico Nacional (SGN)</i>
Giselle Fernández	Anaika Placencia Tejeda <i>Camara de Comercio y Producción de Santo Domingo</i>
Evelyn Gautreau <i>Dirección General de Ganadería (DIGEGA)</i>	Robert Valdez <i>Schad Consulting</i>
Rubén Jiménez Mercado <i>Bayer</i>	Jacobo Valdez Albizu <i>MSD Animal Health</i>
Sandra José Clases <i>Servicio Geológico Nacional (SGN)</i>	María Elena Vásquez
Annabelle Liz <i>OMG</i>	Deydania White Matos <i>Superintendencia de Bancos de la República Dominicana</i>
Gisell López Baldera <i>Estrella & Tupete, Abogados</i>	Yomayra Martín <i>GreEnergy Dominicana</i>

EGYPT, ARAB REP.

Fabiola Medina <i>Medina Garrigó Abogados</i>	Talaat El-Gamal
Leonel Melo <i>OMG</i>	Field Crops Research Institute
Hamlet Montás <i>Camara de Comercio y Producción de Santo Domingo</i>	Ministry of Trade and Industry
Rafael Morel <i>Total Logistics Freight</i>	Readymade Garments Export Council
Apolinar Muñoz <i>Schad Consulting</i>	Naguib Abadir <i>Nacita Corporation</i>
Santiago José Muñoz Tapia <i>Servicio Geológico Nacional (SGN)</i>	Ahmed Abdelhamid <i>Arab Agricultural Production Co.</i>
Misdania Paulino <i>Fenwal International, Inc.</i>	Nermine Abo El Atta <i>Ministry of Industry and Foreign Trade</i>
Raúl Peralta G. <i>Ministerio de Agricultura</i>	Amro Ahmed
Angel Emmanuel Perez <i>Souffront</i> <i>Dirección General de Aduanas</i>	Hassan Aidaros <i>Benha University</i>
Rafaelina Pichardo <i>Semidom SRL</i>	Yulia V. Akinfieva <i>Youssry Saleh & Partners</i>
Aimée Prieto <i>Prieto Cabrera & Asociados</i>	Sawsan Aly <i>Zoetis</i>
Virginia Devi Quiñones Puig <i>Dirección General de Ganadería (DIGEGA)</i>	Abd El Wahab Aly Ibrahim <i>Abd El Wahab Sons</i>
Domingo Rengifo <i>Instituto Dominicano de Investigaciones Agropecuarias y Foretales (IDIAT)</i>	Samar Attaher <i>Agricultural Engineering Research Institute</i>
Jose Antonio Reyes <i>Ageport, Agentes y Estibadores Portuarios</i>	Hoda Attia <i>Ministry of Transport</i>
Yenny Rodriguez <i>Servicio Geológico Nacional (SGN)</i>	Mohamed Azzam <i>Federation of Egyptian Chambers of Commerce</i>
Anaika Placencia Tejeda <i>Camara de Comercio y Producción de Santo Domingo</i>	Mohamed Darwish <i>El Said Darwish & Partners</i>
Robert Valdez <i>Schad Consulting</i>	Menna El Abdeeny <i>Ministry of Industry and Foreign Trade</i>
Jacobo Valdez Albizu <i>MSD Animal Health</i>	Ghada El Gharib <i>Baker & McKenzie</i>
María Elena Vásquez	Medhat El Kady <i>Kadmar</i>
Deydania White Matos <i>Superintendencia de Bancos de la República Dominicana</i>	Ahmed Kamal El-Attar <i>Ministry of Agriculture and Land Reclamation</i>
Yomayra Martín <i>GreEnergy Dominicana</i>	Farida El-Bakry <i>Shalakany Law Office, member of Lex Mundi</i>
	Ahmed El-Beheri <i>Agricultural Engineering Research Institute</i>
	Sherif El-Gabaly <i>Polyserve Group</i>



Ahmed Salem
Misr Spinning and Weaving Company

Sara El Shaarawy
Ibrachy Legal Consultancy

Mostafa El Shafei
Ibrachy Legal Consultancy

Emad El Shalakany
Shalakany Law Office, member of Lex Mundi

Khaled Sherif
Shalakany Law Office

Frédéric Soliman
Soliman, Hashish & Partners

Mamdouh Taha
General Organization of Export & Import Control

Randa Tharwat
Nacita Corporation

Ahmed Torfa
El Watania Company for Import

Eslam Torfa
El Watania Company for Import

Fakhry Torfa
El Watania Company for Import

Hossam Younes
Ministry of Trade and Industry

Amr Youssef
Ibrachy Legal Consultancy

Mona Zobaa
Ministry of Investment and International Cooperation

ETHIOPIA

Birkneh Abebe
Ethiopian Agricultural Transformation Agency (ATA)

Workineh Abebe
Ethiopian Agricultural Transformation Agency (ATA)

Yohannes Abebe Hebena

Siraj Ahmed
Packford International

Sisay Asres
FLK Trading PLC

Weldehawariat Assefa
Ministry of Agriculture and Natural Resources

Yodit Assefa
The Motor & Engineering Company

Fekadu Bekele
Ethiopia Revenues and Customs Authority (ERCA)

Zewdie Bishaw
International Center for Agricultural Research in the Dry Areas (ICARDA)

Dawit Daniel
HD Ethiopian Coffee Trading PLC

Wondowosen Degefa
Ethiopia Revenues and Customs Authority (ERCA)

Azage Gebreyohannes
Gebremariam
Ethiopian Institute of Water Resources, Addis Ababa University

Gebre Gebretsadik
Moenco Kaliti Machinery Branch

Seyoum Getachew
Ethiopian Agricultural Transformation Agency (ATA)

Reta Gissa
Ethiopian Agricultural Transformation Agency (ATA)

Ruth Gizachew
TGMB Law Office

Gataneh Gobezie
DAI

Fitsum Hagos
International Water Management Institute (IWMI)

Asheber Hailesilassie
Trans Ethiopia PLC - TEPLCO

Nuru Hassen
Trans Ethiopia PLC - TEPLCO

Teshome Worku Kebede
Ethiopian Agricultural Transformation Agency (ATA)

Solomon Kebede Kotu

Tadesse Kiro
Tadesse Kiro Law Office

Hailegebril Lema
Ethiopian Veterinary Drugs and Feed Administration and Control Authority (VDFACA)

Dagim Mahtemeselassie

Michael Mamo
Addis Exporter PLC

Misrak Mengehsa
Packford International

Hawaz Merawi
Tadesse Kiro Law Office

Tariku Oljira
Daye Bensa Export PLC

Habte Petros
Yichalal Transit Service and Freight Forwarding PLC

Nigussie Seid
Ethiopia Revenues and Customs Authority (ERCA)

Yitbarek Semeane
Ethiopian Agricultural Transformation Agency (ATA)

Kebede Shai
Ethiopia Revenues and Customs Authority (ERCA)

Mekdes Shiferaw
Green International Logistic Services

Kefyalew Sisay

Addisu Tadege

Fasil Tadesse
FLK Trading PLC

Mintesnot Tariku
Tadesse Kiro Law Office

Gaim Yibrah Tesema
Gaim Yibrah

Gizeshwork Tessema
Gize PLC

Fekadu Tilahun
Ethiopian Agricultural Transformation Agency (ATA)

FINLAND

Markku Äijälä
Boreal Plant Breeding

Noora Britschgi
Hannes Snellman Attorneys Ltd.

Sari Haikola
Ministry of Agriculture and Forestry

Tarja Hietaranta
Finnish Food Authority

Eeva-Lotta Kivela
Dittmar & Indrenius

Heidi Malmberg
Castrén & Snellman Attorneys Ltd.

Juha-Pekka Mutanen
Dittmar & Indrenius

Tarja Pirinen
HPP Attorneys Ltd.

Mari Raininko
Finnish Seed Trade Association

FRANCE

Union Française des Semenciers

Marie-Anne Barthelemy
Syndicat de l'Industrie de la santé animale (SIMV)

Francois Burgaud
French Interprofessional Organisation for Seeds and Plants - GNIS

Valerie Chanal
SYNACOMEX

Alain Colin
Cargill

Stéphanie Gandet
Green Law Avocat

Steve Hercé
Boivin & Associés

Laurence Lanoy
Laurence Lanoy Avocats

Carine Le Roy-Gleizes
Foley Hoag

Yvon Martinet
DS Avocats

Philippe Mitko
SYNACOMEX

Sylvain Pelletreau
Demeter Avocat

Camille Vaillon

GEORGIA

Giorgi Abjandadze
GT Group LLC

Grigol Abramia
International Center for Environmental Research

Marine Arabidze
National Environmental Agency

David Archvadze
Mgaloblishvili Kipiani Dzidziguri LLC

Zaza Avaliani
Land Transport Agency

David Bardavelidze
Oceannet Georgia Ltd.



Giorgi Begiashvili <i>Begiashvili & Co.</i>	<i>Ministry of Environmental Protection and Agriculture</i>	GHANA	Ghassan Husseini <i>Crown Transport & Logistics Ltd.</i>
Lasha Beria <i>Rustavi Metallurgical Plant</i>	Katy Rekhviashvili <i>Georgian National Communications Commission</i>	<i>Food & Drugs Authority (FDA)</i>	Benjamin Kwaku Kemete <i>M&B Seeds and Agricultural Services</i>
Nata Beria <i>Alliance Group Holdings</i>	Levan Samanishvili <i>Oceannet Georgia Ltd.</i>	Solomon Ackom <i>Grimaldi Ghana Ltd.</i>	Paa Kwesi Morrison <i>ENSAfrica</i>
Levan Berdzenishvili <i>Georgian Trans Expedition Ltd.</i>	Manzoor Shah <i>Globalink Logistics Group</i>	John Acquaah <i>Grimaldi Ghana Ltd.</i>	Eric Muala <i>Water Resources Commission</i>
Anna Chikovani <i>MG Law Office</i>	Edvard Shermadini <i>Georgian Farmers Association</i>	Maxwell Agbenorhevi <i>USAID Feed the Future</i>	Daniel Nukpezah <i>University of Ghana</i>
Beka Dzadzamia <i>FAO</i>	Irina Sigua <i>Georgia Revenue Service</i>	Emmanuel K.M. Alognikou <i>International Fertilizer Development Center (IFDC)</i>	Emmanuel Larbi Offei <i>National Communications Authority</i>
Archil Giorgadze <i>MG Law Office</i>	Antonina Tselovalnikova <i>Gianti Logistics</i>	Ben Yaw Ampomah <i>Water Resources Commission</i>	Abdul Razak Okine <i>Ministry of Food and Agriculture</i>
Denis Glushak <i>VENI Ltd.</i>	Tamar T vindiani <i>Toyota Caucasus LLC</i>	Felicia Ansah-Amiprofi <i>Ministry of Food and Agriculture</i>	Ernest Osei Assibey <i>Plant Protection and Regulatory Services</i>
Akaki Gogsadze <i>Agromotors LLC</i>	Samson Uridia <i>Georgia Revenue Service</i>	Estelle Appiah <i>E.A.L.C. (Estelle Appiah Legislative Counsel)</i>	George Prah <i>Ministry of Food and Agriculture</i>
Beka Gonashvili <i>AgroQiziki LLC</i>	Vusal Verdiyev <i>FINCA Bank</i>	Kingsley Mickey Aryee <i>Veterinary Services Directorate</i>	Mabel Sagoe <i>Ministry of Highway and Roads</i>
Goga Gujejiani	Giorgi Zakaide <i>Georgian Agricultural Cooperatives Association</i>	Owusu Akyaw Asamoah <i>Private Transport Association of Ghana</i>	Victor Teppeh <i>National Communications Authority</i>
Nana Gvazava <i>MG Law Office</i>	Nino Zambakhidze <i>Georgian Farmers Association</i>	Isaac Asare <i>African Fertilizer and Agribusiness Partnership (AFAP)</i>	Jane Tetteh <i>Shawbell Consulting</i>
Gvantsa Gvichia <i>Alliance Group Holdings</i>		Kwadwo Anderson Asiedu <i>Tumffour Limited</i>	Ebenezer Teye Agawu <i>Consolidated Shipping Agencies Limited</i>
Elizbar Khachapuridze <i>Alliance Group Holdings</i>		Marilyn Priscilla Badger <i>Shawbell Consulting</i>	M.C. Vasnani <i>Consolidated Shipping Agencies Limited</i>
Davit Kortava <i>Land Transport Agency</i>	GERMANY	Chris Baffour Awuah <i>Private Transport Association of Ghana</i>	Theophilus Zottorgloh
Ajeti Kukava <i>Alliance Group Holdings</i>	<i>EW Nutrition</i>	Emmanuel Y.H. Bobobee <i>Kwame Nkrumah University of Science and Technology</i>	
Irakli Lekishvili <i>Toyota Caucasus LLC</i>	<i>Federal Ministry of Food and Agriculture</i>	Phyllis Christian <i>Shawbell Consulting</i>	
Mirab-Dmitry Lomadze	<i>German Animal Health Industry Association</i>	Raymond Codjoe <i>R.A. Codjoe Law Offices</i>	
Mako Maisuradze <i>MG Law Office</i>	Mathias Elspaß <i>Clifford Chance Deutschland LLP</i>	John Darko <i>Darko, Keli-Delataa & Co.</i>	
Irakli Mamaladze <i>Tegeta Motors</i>	Bettina Enderle <i>Enderle Environmental Law</i>	Ras Afful Davis <i>Climate Shipping & Trading</i>	
Giorgi Misheladze <i>Agricultural Cooperative Development Agency</i>	Felix Feldmann <i>Clifford Chance Deutschland LLP</i>	Dorothy Effa <i>AGRA</i>	
Irakli Mzhavanadze <i>MagtiCom LLC</i>	Christian Hullmann <i>K&L Gates LLP</i>	Charles Goh	
Tamta Nutsubidze <i>Begiashvili & Co.</i>	Magdalena Okonska <i>Enderle Environmental Law</i>	Thomas Havor <i>Seed Producers Association of Ghana (SEEDPAG)</i>	
Natia Qvachakhia	Fritz von Hammerstein <i>CMS Hasche Sigle</i>		
Bezhan Rekhviashvili	Ruth Welsing <i>Kümmerlein, Simon & Partner Rechtsanwälte mbB</i>		



Gregory Bitzas <i>Bayer Animal Health</i>	Vasiliki Maria Tzatzaki <i>Ministry of Environment and Energy</i>	Giovanni García Montoya <i>Asesoría Técnica en Aduana SA</i>	Luis Alfonso Ruano <i>CGW</i>
George Frangistas <i>GEFRA</i>	Anthanasios Vourdas <i>Ministry of Infrastructure, Transport and Networks</i>	Alejandro Girón Braghinolli <i>Consultant</i>	Ricardo Santa Cruz Rubí <i>Agexport</i>
Spyros G. Pilios <i>Genesis World Trans</i>		Jorge Mario Gómez <i>Ministerio de Agricultura, Ganadería y Alimentación</i>	Mario Nestor Subuyuc Chuy <i>Instituto Técnico de Capacitación y Productividad</i>
Constantinos Hadjiyannakis <i>NOMOS Law Firm</i>		Carlos Gordon Brown <i>Instituto Técnico de Capacitación y Productividad</i>	Enrique Toledo-Cotera <i>ARTLEX - Attorneys-at-Law</i>
Effie Ioannou <i>Panhellenic Exporters Association (PEA)</i>		Oscar Romilio Hernandez Rojas <i>Instituto Técnico de Capacitación y Productividad</i>	Enrique Toledo-Fernandez <i>ARTLEX - Attorneys-at-Law</i>
Marinos Kandylis <i>Olympias</i>		Harald Himsel <i>Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)</i>	Elmer Vargas <i>Pacheco Coto</i>
Stavros Karageorgiou <i>Karageorgiou & Associates Law Firm</i>	Alvaro René Aceituno Ibañez <i>Ministerio de Ambiente y Recursos Naturales</i>	Jesús Alcázar Andrade	Georges Assevi
Theodora Kouloura <i>Hellagrolip SA</i>	Pedro Aragón <i>Aragón & Aragón</i>	Enma Bachez <i>All Logistics SA</i>	Mamadou Saliou Baldé <i>Ministère de la Construction, de l'Urbanisme et Habitat</i>
Persa Lampropoulou <i>Ilias G. Anagnostopoulos Law Firm</i>	Manuel Basterrechea <i>Academy of Sciences of Guatemala</i>	Axel Beteta <i>Carrillo & Asociados</i>	Famoï Beavogui <i>Institut de Recherche Agronomique de Guinée (IRAG)</i>
Nikolaos Margaropoulos <i>Margaropoulos & Associates - Scientia Legis Law Firm</i>	Génesis Burgos <i>Carrillo & Asociados</i>	Wilber Estuardo Castellanos <i>Venegas Bufete Jurídico Castellanos & Asociados</i>	Ibrahima Sory Camara <i>Ministère de l'Energie et l'Hydraulique</i>
Maria Mimikou <i>National Technical University of Athens</i>	Manuel Basterrechea <i>Academy of Sciences of Guatemala</i>	Wilber Estuardo Castellanos <i>Venegas Bufete Jurídico Castellanos & Asociados</i>	Ismaila Camara <i>Maersk Logistics SA</i>
Anthony Narlis <i>Geodis Calberson SA</i>	Axel Beteta <i>Carrillo & Asociados</i>	Ana Beatriz Clavería Samayoa <i>Duwest Guatemala SA</i>	Eric Benjamin Colle <i>Topaz Multi-Industries SARL</i>
Mariya Nikolova <i>NOMOS Law Firm</i>	Génesis Burgos <i>Carrillo & Asociados</i>	Wilber Estuardo Castellanos <i>Venegas Bufete Jurídico Castellanos & Asociados</i>	Ousmane Diakite <i>Ministère de l'Agriculture</i>
Maria Oikonomou <i>Ministry of Rural Development and Food</i>	Wilber Estuardo Castellanos <i>Venegas Bufete Jurídico Castellanos & Asociados</i>	Ana Beatriz Clavería Samayoa <i>Duwest Guatemala SA</i>	Moussa Diakité <i>Entreprise Dakité et Frère</i>
Dimitra Panagidi	Alejandro Cofiño <i>QIL+4 Abogados</i>	Wilber Estuardo Castellanos <i>Venegas Bufete Jurídico Castellanos & Asociados</i>	Amadou Tidiane Diallo <i>Entreprise Tidiane Agriculture</i>
Marianti Podimata <i>Ministry of Environment and Energy</i>	Marco Antonio Colindres <i>Caceros All Logistics SA</i>	Ana Beatriz Clavería Samayoa <i>Duwest Guatemala SA</i>	Moussa Diallo <i>Confédération Nationale des Organisations Paysannes de Guinée (CNOP-G)</i>
George Polychronakis <i>Incofruit-Hellas</i>	Elisa Colom <i>Lawyer</i>	Alejandro Cofiño <i>QIL+4 Abogados</i>	Muhammad Yaya Diallo <i>Guinée Ecologie</i>
Alexandros Psomas <i>National Technical University of Athens</i>	José de la Peña <i>Central Law</i>	Marco Antonio Colindres <i>Caceros All Logistics SA</i>	Jean-Luc Faber <i>Ministère de l'Agriculture</i>
Neoklis Stamkos <i>KEPA-ANEM</i>	Fabrice Edouard <i>FAO Investment Center</i>	Elisa Colom <i>Lawyer</i>	Bernard Goumou <i>Lanala Assurances</i>
Rebecca Toutouza <i>Hellenic Association of Insurance Companies</i>	Héctor Fajardo <i>Cámara de Transportistas Centroamericanos (CATRANSCA)</i>	José de la Peña <i>Central Law</i>	Morike Kaba <i>Bolloré Logistics</i>
Magdalini Tsilingridou <i>Margaropoulos & Associates - Scientia Legis Law Firm</i>	Lauriano Figueroa <i>Organismo Internacional Regional de Sanidad Agropecuaria (OIRSA)</i>	Fabrice Edouard <i>FAO Investment Center</i>	Tamba Maxim Kamano <i>Institut de Recherche Agronomique de Guinée (IRAG)</i>
		Héctor Fajardo <i>Cámara de Transportistas Centroamericanos (CATRANSCA)</i>	
		Lauriano Figueroa <i>Organismo Internacional Regional de Sanidad Agropecuaria (OIRSA)</i>	



Diawara Karamokoba APIP Guinée - Agence de Promotion des Investissements Privés	Level Francois Vel Financial Group SA	Valmir Araujo Operadora Portuaria Centroamericana	Cesar Augusto Noe Pino Servicio Nacional de Sanidad Agroalimentaria
Hann Dienaba Keita APIP Guinée - Agence de Promotion des Investissements Privés	Alix Jacques Innovil Jasson Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural	Edson Javier Argueta Palma AJJA Abogados & Consultores	Ricardo Arturo Paz Mejía Servicio Nacional de Sanidad Agroalimentaria
Aimé Christophe Labilé Koné Etude Légale Labilé & Associés	Christopher Khawly Cabinet Lissade	Francisco Javier Argueta Palma AJJA Abogados & Consultores	Jose Santiago Pineda Castellanos Red de Productores Artesanales de Semillas de Honduras (Red PASH)
Karinka Magassouba Institut de Recherche Agronomique de Guinée (IRAG)	Frantz Gabriel Nerette Juris Excel Cabinet d'Avocats	Armida Barcenas Secretaría de Agricultura y Ganadería	Marlé Aguilar Ponce Secretaría de Energía, Recursos Naturales, Ambiente y Minas (MiAmbiente)
Alsény Marega Fédérations Unions des Producteurs de Coton et Vivriers (FUPROCOV)	Joel Nexil Air Courier & Shipping	Juan Vicente Barrios Aleman Secretaría de Agricultura y Ganadería	Noel Fernando Ponce
David Sandouno Bureau des Travaux Topographiques	Aloys Nizigiyimana FAO	Vanessa Borjas Honduras Logistic	Julio Rendón Cano Bufete Rendón Cano
Joël Sanon Thiam & Associés	Cassandra Reimers CariFresh SA	Thomas Brown PCS Central America	Juan Dagoberto Reyes Larreinada Secretaría de Desarrollo Económico, área MYPYMES
Youssouf Soumahoro KBS Guinee	Pierre-Yves Rochat Rezodlo SA	Ingrid Isabel Rosales Bumaldo MSD Animal Health	Ruth Lorena Rivera Grupo Vesta
Ibrahim Sow Afrimarine SARL	Jean-Frédéric Salès Cabinet Sales	Claudia Bustillo Camiones y Motores SA (CAMOSA)	Doris Rivera Zaldivar Cargo Servicios Express International
HAITI			
121 Consulting	Salim Succar Cabinet Lissade	Freddy Castillo Portillo Garcia & Bodán	Elder Sanchez Cargo Servicios Express International
Darbouco	Serge David Telfort Independent Consultant	Edgardo Enrique	Dustin Santos Barahona Comisión Nacional de Telecomunicaciones Conatel
Jecslo International	Didier Toledano Automeca	Jorge Erazo PCS Central America	Blaise Vely Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural
Truck Out Services	Jean Vandal Vandal & Vandal	Joel Escoto Comisión Nacional de Telecomunicaciones Conatel	Carlos Eduardo Fernández Gustavo Zacapa y Asociados
James K. Adamson Northwater Consulting	Blaise Vely Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural	Nabil Kawas Universidad Nacional Autónoma de Honduras (UNAH)	Karla Patricia Lopez de Alcerro Camiones y Motores SA (CAMOSA)
Marc Kinson Antoine ADEKO Enterprises	Cargill	Jose Humberto Maldonado Lopez MSD Animal Health	Edwin Villavicencio Ficohsa Seguros SA
Michelle Bien-Aimé Cabinet Lissade	Karla Aguilar BLP Abogados	Diana Martinez Servicio Nacional de Sanidad Agroalimentaria	Arturo Zacapa Gustavo Zacapa y Asociados
Larissa Bogat Cabinet Lissade	Daniel Aguilera Transcoma	Tethy Martinez Cámara Hondureña de Aseguradores (CAHDA)	HONDURAS
Jean Michel Cherubin Commerce Agricole SA	Edward Aguilera Transcoma	Víctor Alejandro Martínez Aguilar Castillo Love	HUNGARY
Jean Frisner Clerveus Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural	Olvin Aguilera Transcoma	Dulce Mejía Bufete Gutiérrez Falla y Asociados	Zsolt Füsthý Füsthý & Mányai Law Office
Diggan d'Adesky D'Adesky Import Export SA	Vanessa Aguilera Transcoma	David Benito Mejía Carrasco	Matyas Kornyei
Matino Desauguste Ministère de l'Agriculture, des Ressources Naturelles et du Développement Rural	Carlos Almendares Ordoñez Servicio Nacional de Sanidad Agroalimentaria	Edgardo Navarro Henriquez	Gábor Polgár Hungarian Seed Association



INDIA

Geo-Chem Labs

SGS India

Shree Gayatri Organic and Herbal Products

Priyanka Aand
Indialaw LLPOmprakash Agrawal
Nagarkot Forwarders Pvt. Ltd.Saloni Agrawal
Nagarkot Forwarders Pvt. Ltd.Subhash Agrawal
Jawarharlal Nehru Customs HouseMohammad Nooruddin Amin
Adhikar Microfinance Pvt. Ltd.Seetharam Annadana
Syngenta India Ltd.Ramaswamy Balasubramanian
Fox Mandal & AssociatesAshish Bhan
TrilegalDeepak Bhosale
Cargill India Pvt. Ltd.Neelesh Datur
ALBIEARajesh Dere
Arya Offshore Services Pvt. Ltd.Jay Desai
NHD Forwarders Pvt. Ltd.Nimish Desai
NHD Forwarders Pvt. Ltd.

Pradeep Deshmukh

Yashodeep Deshmukh
AdvocateAshok Dhingra
Ashok Dhingra AssociatesAkshay Dixit
Singhania & Co.Sneha Dubey
Indialaw LLPShankariah Eggidi
MSD Animal HealthMark Fernandes
Sylvester Forwarders Pvt. Ltd.Rajesh Gosalia
Himatlal Tribhovandas Shah & Co.Kalyan Goswami
National Seed Association of IndiaMonika Gothankar
Brus ChambersNaveen Kumar Gupta
All India Motor Transport CongressShrikant Hathi
Brus ChambersDharmendra Johari
Johari Stonex Industries Pvt. Ltd.Vivek Johri
Mumbai Customs Zone - II (Nhava Sheva)Aakanksha Joshi
Economic Laws Practice (ELP)Parmod Kalirana
Fortune Legal Advocates & Legal ConsultantsSanjiv Kanwar
YaraSanjay Kaul
National Collateral Management Services Limited (NCML)Prageeyaa Khanna
Phoenix LegalKislay Kishor
Mahindra & Mahindra Ltd.Rakhshanda R. Kokje
MSD Animal Health

Pankaj Kumar

Rajesh Kumar
Bihar State Co-operative Milk Producers Federation LimitedRavindra Kumar
Drinking Water ExpertRohan Kumar
Poovaya & Co.Rupak Kumar
Jawarharlal Nehru Customs HouseShaishav Kumar
Advocate ShaishavVikram Kumar
CTC Air Carriers P Ltd.Harsh Lappssia
Pushkara Logistic Solutions LLPJayyant Lappssia
ALBIEASmita Mahajan
ZoetisShuva Mandal
Fox Mandal & AssociatesPankaj Mehta
Fortune Legal Advocates & Legal ConsultantsSandeep Mehta
J. Sagar AssociatesVikas Mehta
Pradeep TradersSharad Mishra
Neo MultimedianShivani Mishra
Neo MultimedianSaurabh Misra
Saurabh Misra & Associates, International LawyersAvikshit Moral
Juris CorpSwati Narnaulia
TrilegalManisha Negi
Savannah Seeds Pvt. Ltd.Tariq Nisamuddin Khan
ConsultantShiju P. V.
Indialaw LLPShankar Pande
National Bank for Agriculture and Rural DevelopmentMahesh Patil
Shri Bahubali TransportMangesh Patil
Jalgaon Milk UnionVilas Patil
Shri Mahalaxmi Cattle Feed Plant, Gokul Milk UnionAvijit Patnaik
Patnaik AssociatesRavi Prasad
CoromandelAkansha Rajeev
M.V. Kini & Co.R.K. Raman
Louis Dreyfus Company India Private Limited

K.R. Rao

National Bank for Agriculture and Rural Development

A.K. Raybarman
National Bank for Agriculture and Rural DevelopmentEls Reynaers
M.V. Kini & Co.Zubair Rias
Central Board of Excise & Customs

Hiren Ruparel

Sonal Ruparel
Sharon EnterprisesVivek Saraswat
Louis Dreyfus Commodities India Pvt. Ltd.Mitesh Shah
Louis Dreyfus Company India Private LimitedParesh Shah
RPS LogisticsPrasham Shah
Juris CorpRicha Shah
Anant IndustriesAhmad Shazeb
Goswami & Associates

Pankaj Sherasia

Ashutosh Shingate
Eaton Industrial Systems Private LimitedM. Shivraman
Economic Laws Practice (ELP)D.K. Shrivastava
Arya Offshore Services Pvt. Ltd.Chanderpal Singh
Jawarharlal Nehru Customs HouseSawant Singh
Phoenix LegalSonpal Singh
Sona Transport Private LimitedSubodh Singh
GST Audit CommissionerateSurendra Singh
Agricultural Machinery Manufacturers Association (AMMA-India)Krishan Gopal Singhania
Singhania & Co.Shweta Soni
Fortune Legal Advocates & Legal Consultants

Manoj Sood <i>Elanco Animal Health</i>	Usman Aziz Mir	Fondazione Grameen Italia	Luciano Gobbi <i>MSD Animal Health</i>
Bhima Subrahmanyam <i>National Federation of State Cooperative Banks (NAFSCOB)</i>	Saad Mohammad	Mariachiara Alberton <i>EURAC Research</i>	Pamela Infantino <i>Studio Legale Associato ad Ashurst LLP</i>
Karishma Sundara <i>Poovayya & Co.</i>	Khalid Mozan <i>Al Mozan Companies Group</i>	Ugo Altomare <i>Piselli & Partners</i>	Marisella La Forgia <i>Macchi di Cellere Gangemi Studio Legale</i>
Mukesh C. Thakkar	Nabil Musa <i>Waterkeepers Iraq</i>	Fabiana Benintendi <i>Megaris Ltd.</i>	Sandro Liberatori <i>European Network for Testing of Agricultural Machines (ENAMA)</i>
Prakash Veer Tyagi <i>Gateway Rail Fright Limited</i>	Ahmed Naguib <i>BCC Logistics</i>	Renato Benintendi <i>Megaris Ltd.</i>	Alberto Lipparini <i>Assosementi</i>
Jayant Kishore Verma <i>Patna Legal Services</i>	Afaf Nasreen <i>State Board for Seed Testing and Certification (SBSTC)</i>	Antonio Bondesani <i>Macchi di Cellere Gangemi Studio Legale</i>	Claudia Lo Cicero <i>Agenzia Delle Dogane E Dei Monopoli</i>
Sachin Warghade	Mohammed Z. Raouf <i>State Board for Seed Testing and Certification (SBSTC)</i>	Giampaolo Botta <i>Spediponto - Associazione Spedizionieri Corrieri e Trasportatori di Genova</i>	Simone Lucatello <i>Simmons & Simmons LLP</i>
Monika Yadav <i>Jawharlal Nehru Customs House</i>	Firas Rasheed <i>Ministry of Agriculture</i>	Antonio Campagnoli <i>Il Punto Real Estate Advisor</i>	Marco Mancinelli <i>Iccrea Banca Impresa SPA</i>
IRAQ		Federico Caporale <i>Sapienza University of Rome</i>	Antonio Massarutto <i>University of Udine</i>
<i>State Company for Agricultural Supplies</i>		Antonella Capria <i>Gianni, Origoni, Grippo, Cappelli & Partners</i>	Luna Maria Mignosa <i>Gianni, Origoni, Grippo, Cappelli & Partners</i>
Abdulkadar Abbas <i>Ministry of Agriculture</i>	Con Collis <i>Department of Agriculture, Food and the Marine</i>	Eugenio Cavallo <i>Istituto per le Macchine Agricole e Movimento Terra (IMAMOTER)</i>	Luca Montolivo <i>Pavia e Ansaldi</i>
Abdulrahman Aboud <i>Baghdad Company for Vitamins and Concentrated Minerals Production Ltd.</i>	Emma Glynn <i>A&L Goodbody</i>	Da Sol Choi <i>Studio Legale Associato ad Ashurst LLP</i>	Michelangelo Morcavallo <i>Simmons & Simmons LLP</i>
Jinan Al-Beiruti <i>Iraq Central Bank</i>	Rhoda Jennings <i>Ronan Daly Jermyn</i>	Stefano Conti <i>Assosementi</i>	Maria Giusy Naccarato <i>Simmons & Simmons LLP</i>
Ahmed Aljameed	Sinéad Martyn <i>McCann FitzGerald</i>	Flavio Cozzi <i>Ceva Santé Animale</i>	Guido Oggionni <i>Gianni, Origoni, Grippo, Cappelli & Partners</i>
Anna Bachmann <i>Waterkeepers Iraq</i>	Roy Power <i>Arvum Group</i>	Marialuigia Di Vincenzo <i>Macchi di Cellere Gangemi Studio Legale</i>	Gabriella Oppomolla <i>Eptalex Jlegal</i>
Saman Bojan <i>Asiacell</i>	Alan Roberts <i>A&L Goodbody</i>	Antonio Fici <i>Università degli Studi del Molise</i>	Federica Periale <i>Studio Legale Associato ad Ashurst LLP</i>
Fadel El-Zubi <i>FAO Iraq</i>	Niall Ryan <i>Department of Agriculture, Food and the Marine</i>	Bonicelli Francesco <i>Emilia-Romagna Region</i>	Alessandro Piga <i>White & Case LLP</i>
Hamid Hadwan <i>Ministry of Agriculture</i>	Yvonne Scannell <i>Arthur Cox</i>	Davide Gallino <i>AGCOM</i>	Annamaria Pinzuti <i>Studio Legale Associato ad Ashurst LLP</i>
Samir Hassan <i>Ministry of Agriculture</i>	Deborah Spence <i>Arthur Cox</i>	Jacopo Gasperi <i>Macchi di Cellere Gangemi Studio Legale</i>	Pierluigi Piselli <i>Piselli & Partners</i>
Francis Janno	Assomela	Raffaele Giarda <i>Baker & McKenzie Italy</i>	Carlo Polidori <i>Italian Association of Road Safety Professionals (AIPSS)</i>
Deepak John <i>Bridgeway Shipping & Clearing Services</i>	Elanco Animal Health	Elena Giuffrè <i>Studio Legale Associato ad Ashurst LLP</i>	Ioana Pricopi <i>Piselli & Partners</i>
Yasser Khalid <i>MSD Animal Health</i>	EW Nutrition		
Nakd Khamis	FederUNACOMA (Italian Agricultural Machinery Manufacturers Federation)		
Zaid Mahdi <i>ADIB Company</i>			



Yolande Therese Rose Proroga <i>Istituto Zooprofilattico Sperimentale del Mezzogiorno</i>	Ahmad Akour <i>Ministry of Agriculture</i>	Ziad A. Ghanma <i>Central Bank of Jordan</i>	Madina Kazhimova <i>Ministry of National Economy</i>
Daniele Raynaud <i>Raynaud Studio Legale</i>	Shadi Al Khatib <i>Maltrans Shipping Agencies Co.</i>	Muna Hindiyeh <i>German Jordanian University</i>	Valeriy Kleibaum <i>Kaz Invest Soya Ltd.</i>
Davide Rossini <i>APL SRL</i>	Raed Al Qatanani <i>Barcelona Seeds</i>	Basel Kawar <i>Kawar Transport & Transit Kargo</i>	Erbol Konarbaev <i>Kinstellar</i>
Edward Ruggeri <i>Gianni, Origoni, Grippo, Cappelli & Partners</i>	Munir Al Rusan <i>Jordan University of Science and Technology</i>	Belal Malaolein	Sabyr Kulyshov <i>Kazlogistics (Union of Transport and Logistics Companies and Associations)</i>
Svitlana Stepaniuk <i>Lawyer</i>	Ahmad Alalem <i>Jordan Customs</i>	Hazem Momani <i>Jordan Tractor & Equipment Co.</i>	Oleg Kunayev <i>Agro Star Grain LLC</i>
Federico Vanetti <i>Dentons</i>	Emad Alawad <i>Ministry of Agriculture</i>	Mahmoud Ibrahim Odeh <i>Arch Global Logistics</i>	Murat Moldashev <i>DHL International Kazakhstan</i>
Ilaria Vecchiarino <i>Macchi di Cellere Gangemi Studio Legale</i>	Mohammad Al-Bess <i>International Ferti Technology Corp</i>	Jafar Salem <i>Arab Potash Company</i>	Takhmina Nagumanova <i>KazAzot LLP</i>
Nicola Zanotelli	Nada Al-Frihat <i>Ministry of Agriculture</i>	Abdallah Sallam <i>Zoetis</i>	Almabek Nugmanov <i>Kostanay State University A. Baitursynov</i>
	Nour Al-Hababbeh <i>Ministry of Agriculture</i>	Yahya Shakhatreh <i>The National Center for Agricultural Research and Extension (NCARE)</i>	Dulat Orazalinov <i>Kar-Tel LLC</i>
	Ashraf Alja'fari		Dinara Saktaganova <i>Union of International Road Carriers of the Republic of Kazakhstan (KAZATO)</i>
	Ibrahim M.H. Aljazy <i>Aljazy & Co.</i>		Muhambet Sambetov <i>Association of Kazakhstan National Freight Forwarders</i>
	Aisha Al-Marafi		Anatoliy Shakirzhanov <i>Agrolimpex LLC</i>
	Dana Al-Mubaidin <i>Sanad Law Group in association with Eversheds Sutherland</i>	Alemtet	Gennady Shestakov <i>Kazakhstan Logistics Service</i>
	Jamal Alrusheidat <i>Jerash Private University</i>	Baker & McKenzie CIS, Limited	Irina Shol <i>Kcell JSC</i>
	Hazim Al-Smadi <i>Ministry of Agriculture</i>	Ministry of Information and Communications	Saida Shukurova <i>Linkage & Mind LLP</i>
	Khaled Al-Talafih <i>Ministry of Agriculture</i>	National Bank of Kazakhstan	Anton Tolmachyov <i>AlemAgro Ltd.</i>
	Eman Alzaben <i>Ministry of Agriculture</i>	Unicase Law Firm	Ornar A. Tuleubaev <i>Alimor Corporation</i>
	Bashar I. Amosh <i>Amosh Legal Services & Arbitration</i>	Amangeldy Abdykadyrov <i>AlemAgro Ltd.</i>	Askar Tulkiev <i>TL Consulting</i>
	Ibrahem Amosh <i>Amosh Legal Services & Arbitration</i>	Dugali Abenov	Oksana Avdeyeva <i>Double Trans</i>
	Mohammad Aqeel Al Awaideh <i>Agriculture Management Fund</i>	Ilgar Agalar <i>MUGAN</i>	Joel Benjamin <i>Kinstellar</i>
	Kholoud Aranki <i>Ministry of Agriculture</i>	Joel Benjamin <i>Kinstellar</i>	Oxana Bukhtiyarova <i>Microfinance Organization KMF</i>
	Jawaher Bin Talal <i>Sanad Law Group in association with Eversheds Sutherland</i>	Salavat Dilmukhametov <i>Caspian University</i>	Arman Utugulov <i>Ministry of Agriculture</i>
	Iyad Dahiyat <i>Water Authority of Jordan</i>	Teodor Kaplan <i>Union of International Road Carriers of the Republic of Kazakhstan (KAZATO)</i>	Asem Yegizbekova <i>Microfinance Organization KMF</i>
			Marina Yudina <i>Panalpina World Transport LLP</i>
			Darhan Zekenov <i>Kazphosphate LLC</i>

JAPAN

Food and Agricultural Materials Inspection Agency (FAMIC)

Ministry of Agriculture, Forestry and Fisheries (MAFF)

Kiyoshi Honda
Nagashima Ohno & Tsunematsu

William Moran
White & Case LLP

Ryoji Moroi
Nishimura & Asahi

Daichi Watanabe
Central Green Company Limited

JORDAN

Raed AbdalQader

Naema Abdullah
Provimi Jordan

Emad Abu Baker
Jordan Tractor & Equipment Co.

Wafaa Abu Hammour
The National Center for Agricultural Research and Extension (NCARE)

Khaled Abulaila
National Center for Agricultural Research and Technology Transfer (NCARTT)

Abeer Aburumman
The National Center for Agricultural Research and Extension (NCARE)

KAZAKHSTAN

Alemtet

Baker & McKenzie CIS, Limited

Ministry of Information and Communications

National Bank of Kazakhstan

Unicase Law Firm

Amangeldy Abdykadyrov
AlemAgro Ltd.

Dugali Abenov

Ilgar Agalar
MUGAN

Oksana Avdeyeva
Double Trans

Joel Benjamin
Kinstellar

Oxana Bukhtiyarova
Microfinance Organization KMF

Salavat Dilmukhametov
Caspian University

Teodor Kaplan
Union of International Road Carriers of the Republic of Kazakhstan (KAZATO)

Meirambek Karazhigitov
Water Authority of Jordan



Alim Zhabelov <i>Panalpina World Transport LLP</i>	Timothy Kiman <i>Siginon Group</i>	Grace Akech Ongoro <i>Defence Forces Memorial Hospital</i>	Keetaek Kim <i>Foundation of Agricultural Technolgy Commercialization & Transfer (FACT)</i>	
KENYA				
One Acre Fund	Esther Kimani <i>Kenya Plant Health Inspectorate Service (KEPHIS)</i>	Tony Osambo <i>University of Nairobi</i>	Kyeong Uk Kim <i>Seoul National University</i>	
Panafrican Equipment Ltd.	Meshack T. Kipturgo <i>Siginon Group</i>	Edwin Oseko <i>Ministry of Agriculture, Livestock and Fisheries</i>	Sangmin Kim <i>Lee & Ko</i>	
The Central Bank of Kenya	John Kung'u <i>Waruhiu K'owade & Ng'ang'a Advocates</i>	Stella Rotich <i>Kenya Water Institute</i>	Seong Won (David) Kim <i>Hanaro TNS</i>	
Nafysa Adam <i>Hamilton Harrison & Mathews</i>	Mark Lavi <i>Mark Lavi LLP</i>	Lily Sego <i>Chemagro International Limited</i>	James Lee <i>Kim & Chang</i>	
Asfaw Ageru <i>Advanta Seed International</i>	Isaac Macharia <i>Kenya Plant Health Inspectorate Service (KEPHIS)</i>	Alex Semutwa <i>Kenya Tea Development Agency</i>	Ji Min Lee <i>Kim & Chang</i>	
Sebastian Alix <i>HM Clause Kenya Limited</i>	Sally Maling'a <i>Hamilton Harrison & Mathews</i>	Leunita Asande Sumba <i>Kenya Water Institute</i>	Kyoung-won Lee <i>Rural Development Administration</i>	
Philip Aluku <i>SDV Transami</i>	Humphrey Mbugua <i>Association of Kenya Feed Manufacturers (AKEFEMA)</i>	John Syekei <i>Coulson Harney LLP (Bowmans Kenya)</i>	Sung-Hee Lee <i>Korea Rural Community Corporation (KRC)</i>	
Simon B. Luseno <i>Kenya Revenue Authority</i>	James Mbwika	Punit Vadgama <i>Gikera & Vadgama Advocates</i>	Stanislav Pak <i>Samsung C&T</i>	
John Bett <i>Kenya Tea Development Agency</i>	Mansoor A. Mohamed <i>Ruman Shipcontractors Limited</i>	Mercy Wairua	Hee Young Park <i>Syngenta</i>	
Emmanuel Bore <i>Kenya Plant Health Inspectorate Service (KEPHIS)</i>	Jane Munga <i>Zoetis</i>	Evelyn Wamae <i>Kenya Trade Network Agency (KENTRADE)</i>	Jeong-Kwan Park <i>Yulchon LLC</i>	
Henry Bwisa <i>Jomo Kenyatta University Agriculture and Technology</i>	Irene Muthoni <i>Coulson Harney LLP (Bowmans Kenya)</i>	Douglas Weru <i>Bayer Animal Health</i>	Keum Sub Park <i>Lee & Ko</i>	
Michael Chelulei <i>University of Eldoret</i>	Susan Mutinda <i>B.M. Musau & Co. Advocates</i>	KOREA, REP.		
Philip Coulson <i>Coulson Harney LLP (Bowmans Kenya)</i>	Mark Ndung'u <i>B.M. Musau & Co. Advocates</i>	Daecheong Shipping Co. Ltd. <i>Ministry of Science and ICT</i>	Tong Keun Seol <i>Lee & Ko</i>	
Stephen Gatama <i>Ariya Leasing Limited</i>	Faith Ndunge <i>Kenya Plant Health Inspectorate Service (KEPHIS)</i>	Hyeon A. Cho <i>Zoetis</i>	Doil Son <i>Yulchon LLC</i>	
Ruth Njeri Gitau <i>Hamilton Harrison & Mathews</i>	Mbage Ng'ang'a <i>Waruhiu K'owade & Ng'ang'a Advocates</i>	Yoon-Hyuk Choi <i>Korea Expressway Corporation Research Institute</i>	Io Song <i>Korea Road & Transportation Association</i>	
Richard Harney <i>Coulson Harney LLP (Bowmans Kenya)</i>	Michael Ngugi <i>Simlaw Seeds</i>	Neelesh Datir <i>ALBIEA</i>	Insoo Yeo <i>Korea Road & Transportation Association</i>	
Dominic Indokhom <i>Coulson Harney LLP (Bowmans Kenya)</i>	Michael Njuguna <i>Gikera & Vadgama Advocates</i>	Ji-Sang Hur <i>Korea Customs Service</i>	Jae-Yoon Yoon <i>Korea Customs Service</i>	
Gentrix Juma <i>Kenya Plant Health Inspectorate Service (KEPHIS)</i>	Benedict Nzioki <i>Coulson Harney LLP (Bowmans Kenya)</i>	Sungchul Hwang <i>Korea International Trade Association (KITA), Jeonbuk Center</i>	KYRGYZ REPUBLIC	
Isaac Kalua <i>Honda Motorcycle Kenya Ltd.</i>	Elly Obonyo <i>Ministry of Health</i>	Heechan Jeong <i>Anguk Law Offices</i>	Bai Tushum Bank	
Esther Kariuki <i>Co-operative Bank Kenya</i>	Henry Ogola <i>Chemagro International Limited</i>	Haeng Chang Jung <i>Hanaro TNS</i>	Ministry of Transport and Communications	
Adil Khawaja <i>Hamilton Harrison & Mathews</i>	Jehiel Oliver <i>Hello Tractor</i>	Youngsun Kang <i>Tong Yang Moolsan</i>	State Communications Agency	
			Artykbay Abdivaliiev <i>Agrokhimiya LLC</i>	



Maksat Abdykaparov <i>AVEP Public Fund</i>	Iskander Nazarkulov <i>CJSC Atrium Holding</i>	Vilaysack Boutsamaly <i>Ministry of Public Works and Transport</i>	Anousak Philangam <i>EXIM Company Limited</i>
Meder Akeneev <i>GRATA Law Firm</i>	Adyl Nurbaev <i>Ministry of Agriculture and Melioration</i>	Francis Chagnaud <i>Agroforex Company</i>	Kinnaly Phommasack <i>Ministry of Agriculture and Forestry</i>
Makhmira Akhmetova <i>Ministry of Agriculture and Melioration</i>	Aziza Palte <i>Centil Law Firm</i>	Somphanh Chanphengxai <i>Ministry of Agriculture and Forestry</i>	Sittiphone Phommasak <i>Ministry of Agriculture and Forestry</i>
Ayganysh Akieva <i>National Bank of the Kyrgyz Republic</i>	Asel Raimkulova <i>State Agency on Environment Protection and Forestry</i>	Siriphone Chanthala <i>International Rice Research Institute</i>	Phutthasone Phomvisay <i>Lao National Chamber of Commerce and Industry</i>
Almaz Alakunov <i>Ministry of Agriculture and Melioration</i>	Ekaterina Sakhvaeva <i>Independent Expert</i>	Monesili Douangmany <i>Ministry of Post and Telecommunications</i>	Sonephet Phosalath <i>Ministry of Natural Resources and Environment</i>
Meerim Almanbetova <i>National Bank of the Kyrgyz Republic</i>	Temirbek Shabdanaliev <i>Freight Operators Association of Kyrgyzstan</i>	Daodeuane Duangdara <i>VDB Loi</i>	Yatkeo Phoumidalyvanh <i>Ministry of Agriculture and Forestry</i>
Jenishbek Arzymatov <i>Association Lawyers of Kyrgyzstan</i>	Iskender Sharsheyev <i>Foreign Investors Association</i>	Xayluxa Insiengmay <i>Ministry of Post and Telecommunications</i>	Phanthaphap Phounsavath <i>Ministry of Public Works and Transport</i>
Aigul Bakesarieva <i>National Bank of the Kyrgyz Republic</i>	Dmitri Ten <i>State Seed Testing Agency</i>	Phouth Inthavong <i>Ministry of Agriculture and Forestry</i>	Outo Saechow <i>ACLEDA Bank Lao Ltd.</i>
Kerim Begaliev <i>Centil Law Firm</i>	Kanat Tilekeyev <i>University of Central Asia</i>	Bounlay Kangmanivanh <i>VDB Loi</i>	Khonsavanh Sayasenh <i>Allianz General Laos</i>
Nurgul Djunushalieva <i>National Bank of the Kyrgyz Republic</i>	Baktybek Tumonbaev <i>CJSC Atrium Holding</i>	Phanmaly Kensoulin <i>RMA Group</i>	Prachith Sayavong <i>Societe Mixte de Transport (SMT)</i>
Samara Dumanaeva <i>Lorenz International Law Firm</i>	Aktilek Tungatarov <i>International Business Council</i>	Souknlanh Keolakhone <i>VDB Loi</i>	Canda Sinpaseuth <i>Lao Customs Department</i>
Chynara Esengeldieva <i>Lorenz International Law Firm</i>	Gulnara Uskenbaeva <i>Audit Plus</i>	Thongsavanh Keonakhone <i>Ministry of Agriculture and Forestry</i>	Douangchanh Sirivongsa <i>Ministry of Agriculture and Forestry</i>
Vasiliy Gorbachev <i>Ulta LLC</i>	LAO PDR		
Abdul Hakim Islamov <i>Seed Association of Kyrgyzstan</i>	Bank of the Lao PDR	Mekhala Khotpanya <i>ACLEDA Bank Lao Ltd.</i>	Sonephet Somekhit <i>Ministry of Public Works and Transport</i>
Nurzada Japarkulova <i>National Bank of the Kyrgyz Republic</i>	Tilleke & Gibbins Lao Co., Ltd.	Todd Moore <i>Saffron Coffee</i>	Thavone Souliyavong <i>Allianz General Laos</i>
Joldoshbek Kasymbekov	Guy Apovy <i>Allianz General Laos</i>	Sisouphanh Nakasene <i>Ministry of Agriculture and Forestry</i>	Ting Sounthavong <i>VDB Loi</i>
Dastan Kurmanbaev <i>Commercial Bank Kyrgyzstan</i>	Anousone Bandavong <i>Sustainable Agriculture and Environment Development Association (SAEDA)</i>	Khamphet Nanthavong <i>Hung Huang (Lao) Logistics Co., Ltd.</i>	Sipaseuth Suvlath <i>Ministry of Post and Telecommunications</i>
Nurlan Kyshtobaev <i>GRATA Law Firm</i>	Sandip Bhosale <i>Myanmar Thanlwin Legal Services</i>	Daovone Phachanthavong <i>Lao National Chamber of Commerce and Industry</i>	Hay Svay <i>ACLEDA Bank Lao Ltd.</i>
Ruslan Mambetov <i>Sapat-Prom LLC</i>	Bounthong Bouahom <i>National Agriculture and Forestry Research Institute (NAFRI)</i>	Phanpradith Phandara <i>Ministry of Agriculture and Forestry</i>	Phouxay Thepphavong <i>Lao National Chamber of Commerce and Industry</i>
Kanat Mukanov <i>Kyrgyztelecom</i>	Chay Bounphanousay <i>National Agriculture and Forestry Research Institute (NAFRI)</i>	Sengchanh Phetkhounluang <i>Ministry of Agriculture and Forestry</i>	Suntisouk Vandala <i>Rajah & Tann</i>
Umtul Murat kyzy <i>Lorenz International Law Firm</i>	Siri Boudtakham <i>Lao Law & Consultancy Group</i>	Pamouane Phetthany <i>Lao Microfinance Association</i>	Khammanh Vathanaphone <i>VDB Loi</i>
Begymai Musabaeva <i>National Bank of the Kyrgyz Republic</i>			Meckhala Vilivong <i>VDB Loi</i>



Jerome Villanueva
International Rice Research
Institute

Soulivanh Voravong
Ministry of Agriculture and
Forestry

Xaysana Xaiyalath
EXIM Company Limited

Phetmaniseng Xangsayasane
National Agriculture and Forestry
Research Institute (NAFRI)

LIBERIA

Arthur Abdulai
Express Handling Services

Henry N. Brunson
FedEx

Augustus B. G. Fahnbulleh
Ministry of Agriculture

Josephine Francis
Farmers Union Network of Liberia

Nyantee B. Jeh
Bolloré Africa Logistics

Kenneth Kafumba
Liberia Agriculture Commodity
Regulatory Authority (LACRA)

James T. Moore
Ministry of Agriculture

Saa Saamoi
Department of Customs of the
Liberia Revenue Authority

Garmonyou A. Sam
Ministry of Agriculture

Kolubahzizi T. Howard
Liberia Telecommunications
Authority

Gregory Taplah
Ministry of Agriculture

Michael Taplah
Liberia Telecommunications
Authority

Olivier B. Teekpeh
Ministry of Agriculture

Roland Partu Varkpeh
Ministry of Agriculture

Harris Wennie
Cooperative Development
Agency

LITHUANIA

Ema Büténienė
Ellex Valiūnas Law Firm

Arūnas Dereškevičius
State Plant Service

Edgaras Matulionis
JSC DOJUS agro

Rasa Rimkutė
State Plant Service

Vytautas Ruzgas
Lithuanian Research Centre for
Agriculture and Forestry

Rasa Žitkuvienė
State Plant Service

MADAGASCAR

Agence de Crédit pour
l'Entreprise Privée (ACEP)
Madagascar

Direction Générale des Douanes

Madagascar Conseil
International

Rivo Andriamanalina
ArBiochem

Luciano Andriamaro
Conservation International

Eva Andriamihaja
Mihaja Transit

Vero Andriamihaja
Autorité de Régulation des
Technologies de Communication
(ARTEC)

Prosper Andrianimalaza
Banque Centrale de Madagascar

Rakotonarivo Andrianandrasana
Direction du Génie Rural

Jean Christophe Vincent Babet
Lexel Juridique & Fiscal

Jean Luc Dama
Groupement des Exportateurs de
Girofle de Madagascar

Yves Duchateau
Bolloré Africa Logistics
Madagascar

Rabeharsoa Fanomezana
Hajariaine
Centre National de l'Eau, de
l'Assainissement et du Génie
Rural

Hasina Kante
Autorité de Régulation des
Technologies de Communication
(ARTEC)

Josoa L. H. Rakotosamimanana
Institut Malgache des Vaccins
Vétérinaires

Ramiliarijaona Nomenjanahary
Saholy
Ministère de l'Agriculture et de
l'Elevage

Ravelomanatsoa Odon Bertrand
Mad Spices

Desire Rabakoariao
Direction de la Protection des
Végétaux

Franck Maherisoa Rabanoson
Autorité de Régulation des
Technologies de Communication
(ARTEC)

L. Rabemiafara
Direction de la Protection des
Végétaux

Solofo Rabezanahary
MaterAuto

Marie Dorice Rahelimanerasoa
Direction de la Protection des
Végétaux

Pierrette Rajaonarisoa
Bolloré Africa Logistics
Madagascar

José Serge Rajaonarison
Coopératives d'Epargne et de
Crédit Agricole Mutuels

Sahondra Rajoelina
Conservation International

Rivo Rajoelisolô
Freight Line

Henri Rakotoarisoa
Agrivet

Longin Rakotoarivelô

Autorité de Régulation des

Technologies de Communication

(ARTEC)

Onja Rakotondrabe
Lexel Juridique & Fiscal

Mirana Rakotovelô
Agrivet

Nandrianina Ralambonahary
Autorité de Régulation des
Technologies de Communication
(ARTEC)

Bettelhein Ramahefasoa
Ministère de l'Agriculture et de
l'Elevage

Jeannick Ramanandraivonona
Service Officiel de Contrôle des
Semences

Aviva Ramanitra
Lexel Juridique & Fiscal

Tiana Harivololona Ramparry
Ramanarivosoa
Coordination Nationale de la
Finance Inclusive

Roger Randrianarivelo
National Center for Applied
Research in Rural Development
- FOFIFA

Mendrika Oelina
Randrianarivony
Telma Malagasy SA

Eddy Randrianatsimbazafy
Association Malgache des
Professionnels des Semences et
des Plants (APROSEM)

Lydia Rasoanirina
John W. Fooks & Co.

Lovy Rasolofomanana
WaterAid

Laingo Ratrimoson
Lexel Juridique & Fiscal

Tafita Ratsimba
Lexel Juridique & Fiscal

Lisiniaina Razafindrakoto
GasyNet

Andriamady Rondromahelo
Centre National de l'Eau, de
l'Assainissement et du Génie
Rural

Tharsile Zafindrafenoarivo
Ministère de l'Agriculture et de
l'Elevage

MALAWI

One Acre Fund

Chipulumutso Bakali
James Finlay (Blantyre) Ltd.

Peter B.C. Banda
Ministry of Agriculture, Irrigation
and Water Development

Everson Bandawe

Alliance Freight Services Limited

Austin Changazi
Sukambizi Association Trust

Alfonso Chikuni
Lilongwe Water Board



Ricky Chingota <i>Savjani & Co.</i>	Davis Njobvu <i>Savjani & Co.</i>	Christina Kow <i>Shearn Delamore & Co.</i>	Drissa Coulibaly <i>Ministère du Développement Rural chargé de l'Élevage, de la Pêche et de la Sécurité Alimentaire</i>
Patrick Mphatso Chinguwo <i>Legal Aid Bureau</i>	Poya Njoka <i>BVM Enterprises</i>	Ping Yin Kuan <i>Ceva Santé Animale</i>	Mohamed Coulibaly <i>Université des Sciences Juridiques et Politiques de Bamako</i>
George Chioza <i>Reserve Bank of Malawi</i>	Gilson Njunga <i>Ministry of Agriculture, Irrigation and Water Development</i>	Huey Yiling Lee <i>Bayer Animal Health</i>	Mamadou Diagne <i>Afrilog</i>
William Chipeta <i>Ministry of Agriculture, Irrigation and Water Development</i>	Andrew Nyirenda <i>Malawi Communications Regulatory Authority (MACRA)</i>	Mark Lim <i>Wong & Partners</i>	Tiémakan Diakite <i>Ministère du Développement Rural chargé de l'Élevage, de la Pêche et de la Sécurité Alimentaire</i>
Pilirani Chuma <i>Telekom Networks Malawi</i>	Andrew Sandula <i>Ministry of Transport and Public Works</i>	Cheah Hee Loo <i>Bumi-Marine Shipping Sdn Bhd</i>	Moussa Sylvain Diakité <i>SCS International</i>
Brighton Chunga <i>Mzuzu University</i>		Janet Looi Lai Heng <i>Skrine</i>	Bakara Mady Diallo <i>Orange Mali</i>
Doctor Igondwe <i>Department of Agricultural Research Services</i>		Krystle Lui <i>Shearn Delamore & Co.</i>	Lamine Mahamadou Diallo <i>Autorité Malienne de Régulation des Télécommunications/TIC et des Postes (AMRTP)</i>
Felix E. Jumbe <i>Peacock Seeds</i>	Axiata Group Berhad	Kalavathy Maruthavanar <i>University of Malaya</i>	Dramane Diarra <i>Direction Nationale de l'Agriculture (DNA)</i>
Griffin Kamanga <i>Spine Cargo Co.</i>	North Port (Malaysia) Bhd	Sri Ikarostika Rahayu Md. Ghazi <i>Ministry of Agriculture and Agro-Based Industry</i>	Seydou Diarra <i>Autorité Malienne de Régulation des Télécommunications/TIC et des Postes (AMRTP)</i>
David Kamangira <i>Department of Agricultural Research Services</i>	Rohazrin Abd Rani <i>Malaysia Agricultural Research and Development Institute (MARDI)</i>	Hanapi Mohamad Noor <i>Malaysian Water Partnership (MyWP)</i>	Messotigui Diomande <i>Mali Protection des Cultures</i>
Sydney Kamtukule <i>Ministry of Agriculture, Irrigation and Water Development, Department of Water Resources</i>	Faez Abdul Razak <i>Wong & Partners</i>	Wai Keong Teh <i>Equatorial Logistics Sdn Bhd.</i>	Bakary Doumbia <i>Socimex SARL</i>
Hendrex Wycliffe Kazembe-Phiri <i>Chitedze Agricultural Research Station</i>	Mohd Taufik Bin Ahmad <i>Malaysia Agricultural Research and Development Institute (MARDI)</i>	Philip Teoh <i>Azmi & Associates</i>	Abdouramane Djibo Gado <i>Wetlands International</i>
Madhu Madaka <i>ETC Agro Tractors and Implements Ltd.</i>	KC Chan <i>Freight Transport Network Sdn Bhd</i>	Kenneth Tiong <i>The Associated Chinese Chambers of Commerce and Industry of Malaysia (ACCIM)</i>	Cédric Kambou <i>Mali Protection des Cultures</i>
Wilksion Makumba <i>Department of Agricultural Research Services</i>	Hong Yun Chang <i>Tay & Partners</i>	Ebbie Wong <i>Skrine</i>	Famoussa Keita <i>Cabinet d'Avocats Me Famoussa Keita</i>
Christina Malawi	Tony Chia <i>Sincere Shipping & Forwarding</i>	T. Y. Wong <i>Mercury Express Logistics Sdn Bhd</i>	Hamidou Konare <i>Ministère du Développement Rural chargé de l'Élevage, de la Pêche et de la Sécurité Alimentaire</i>
Tonny Harris Maulana <i>Department of Agricultural Research Services</i>	Chin Long Chong <i>North Port (Malaysia) Bhd</i>	Yeoh Keng Yao <i>Titimas Logistics Sdn Bhd</i>	Mama Koné <i>Ministère du Développement Rural chargé de l'Élevage, de la Pêche et de la Sécurité Alimentaire</i>
Elisa D.L. Mazuma <i>Department of Agricultural Research Services</i>	Kim Aik Chua <i>Green World Genetics</i>	Ming Shiang Yee <i>Bayer Animal Health</i>	Soumaïla Maïga <i>Société Semencière Nakoshi</i>
Fraser Mdwazika <i>Reserve Bank of Malawi</i>	Walter Culas <i>Air Freight Forwarders Association of Malaysia (AFAM)</i>		
Khumbo Mtalika <i>Reserve Bank of Malawi</i>	Neelesh Datir <i>ALBIEA</i>	Fafré Bagayoko <i>KfW Group</i>	
Oswald Mwamusamali <i>Ministry of Agriculture, Irrigation and Water Development</i>	Muhammad Arif Harinder <i>Titimas Logistics Sdn Bhd</i>	Abou Bemgaly <i>Société Fruitière Bougouri SA</i>	
Fund Mzama <i>Reserve Bank of Malawi</i>	Albert Heng <i>Behn Meyer Agricare (M) Sdn. Bhd</i>	Oudou Bengaly <i>AgriProFocus</i>	
	Dato' Dr. Ir. Andy K. H. Seo <i>Malaysian National Shippers Council</i>	Cheickna Bounajim Cissé	
		Aly Coulibaly <i>Douanes Maliennes</i>	





Eric Nassar <i>Cabinet d'Avocats Nassar et Collaborateurs</i>	Luis A. Cervantes Muñiz <i>Cervantes Sainz Abogados</i>	María José Ortiz Haro <i>Galicia Abogados SC</i>	Luis Manuel Perea Virgen <i>Banco de México</i>
Youssouf Djimé Sidibe <i>Association des Producteurs de Coton Africains (AProCA)</i>	Ernesto Chávez <i>Intercontinental Network Services</i>	Ofelia Flores Hernandez <i>Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria (SENASICA)</i>	Arturo Pérez Estrada <i>Greenberg Traurig LLP</i>
Moussa Tekete <i>Mali Protection des Cultures</i>	Gerardo Cruz Galan <i>Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria (SENASICA)</i>	Vianca Hernandez <i>Zoetis</i>	María Isabel Pérez Romero <i>Banco de México</i>
Baba Traore <i>Bolloré Afrika Logistics</i>	Héctor Desentis Montalbán <i>Banco de México</i>	José Onésimo Hernández Bello <i>Fideicomisos Instituidos en Relacion con la Agricultura (FIRA)</i>	Guillermo Piecarchic <i>PMC LAW SC</i>
Mexico Cargill	Carlos J. Díaz Sobrino <i>BGBG Abogados</i>	Alfonso Edmundo Hernández Muñoz <i>Semillas Ceres</i>	Luis Antonio Posada Flores <i>Secretaría de Comunicaciones y Transportes</i>
Celis Aguilar Álvarez y Asociados	David Duran Molina <i>BGBG Abogados</i>	Pablo Nosti Herrera <i>Miranda & Estavillo SC</i>	Jose Luis Ramos y Fusther <i>Sanciprian</i>
Consejo Nacional de Fabricantes de Alimentos Balanceados y de la Nutrición Animal, AC (CONAFAB)	Alan Elizondo <i>Banco de México</i>	Paul Tonatiuh Justo Juárez <i>Lapisa, SA de CV</i>	Eduardo Reyes Díaz-Leal <i>Bufete Internacional</i>
Secretaría de Agricultura, Ganadería, Desarrollo Rural, Pesca y Alimentación (SAGARPA)	Hector Espinosa <i>Grupo Mexicano de Seguros SA de CV</i>	Sofía López Casarrubias <i>Garrigues México SC</i>	Daniel Fernando Reyes Morales <i>Moreno Rodríguez y Asociados SC</i>
Andrés Acedo <i>Acedo Santamarina SC</i>	Juan Fernando Espinosa Durán <i>Acedo Santamarina SC</i>	Rodrigo López González <i>Bufete de la Garza SC</i>	Isaías Rivera Rodríguez <i>Jurídica Especialistas de Occidente</i>
Jesús Alcázar Andrade	Miguel Espitia <i>Bufete Internacional</i>	Adolfo Elim Luviano Heredia <i>Secretaría de Comunicaciones y Transportes</i>	Cecilia Rojas <i>Galicia Abogados SC</i>
Joaquín Alvarez del Castillo <i>González Luna y Alvarez del Castillo SC</i>	Ricardo Evangelista García <i>Basham, Ringe y Correa SC</i>	Juan Manuel <i>Camara Nacional del Autotransporte de Carga (CANACAR)</i>	Rafael Romo Corzo <i>Romo Paillé Abogados</i>
Adriana Beatriz Álvarez Pérez <i>Lapisa, SA de CV</i>	Flavia Ferreira de Castro <i>Programa Feed & Food Seguro Latinoamérica</i>	Yuriria Mascott Pérez <i>Secretaría de Comunicaciones y Transportes</i>	Raúl Sahagun <i>Bufete Internacional</i>
Miguel Andrade Gómez <i>Asociación Mexicana de Agentes</i>	Arturo Flores <i>López García Cano Abogados SC</i>	Jose Luis Mejía <i>Acedo Santamarina SC</i>	Daniel Sámano Peñaloza <i>Banco de México</i>
José Manuel Arce Ruíz <i>Standard Go</i>	Rogelio Flores <i>Zoetis</i>	Claudia Eva Galarza Aizcorbe <i>Comercializadora GAB, SA DE CV</i>	Héctor Tinoco-García <i>Specialized Biopharmaceutical Consulting</i>
Ana Paulina Arenas Espinosa <i>Ritch, Mueller, Heather y Nicolau SC</i>	Manuel Galicia <i>Galicia Abogados SC</i>	Manuel Galicia <i>Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria (SENASICA)</i>	Roberto Torres <i>Garrigues México SC</i>
Mariana Arrieta Maza <i>Basham, Ringe y Correa SC</i>	Miguel Gallardo Guerra <i>BGBG Abogados</i>	Antonio Eliceo Mora Téllez <i>Financiera Nacional de Desarrollo Agropecuario, Rural, Forestal y Pesquero</i>	Luis R. Vera Morales <i>Vera & Asociados, SC</i>
Carolina Ramos Ballesteros <i>Miranda & Estavillo SC</i>	Rafael Gamboa González	Rafael Gamboa González	Valeria Villalobos <i>Counselors International Abogados</i>
José Carlos Bautista González <i>Foliego</i>	Raquel García <i>VIRBAC</i>	Mario Muñiz Lopez <i>Automotriz Agrícola e Industrial Saturno SA de CV</i>	Clemente Villalpando <i>Transporte.mx</i>
Isabel Beltran <i>La Huerta</i>	Alessandra Gaytán <i>Ritch, Mueller, Heather y Nicolau SC</i>	José Refugio Muñoz López <i>Camara Nacional del Autotransporte de Carga (CANACAR)</i>	Andoni Zurita <i>López García Cano Abogados SC</i>
Leopoldo Burguete-Stanek <i>González Calvillo SC</i>	Nadia Gómez González <i>Instituto Mexicano del Transporte</i>	Nayar Emilio Paredes Nieto <i>Paredes Nieto Corporativo de Servicios SC</i>	MOROCCO
Sergio Benjamin Bustamante Acuña <i>Counselors International Abogados</i>	Alejandro Macedonio Guevara <i>Servicio Nacional de Sanidad, Inocuidad y Calidad Agroalimentaria (SENASICA)</i>	Fernando Parrodi <i>MSD Animal Health</i>	El Mootamid Abbad Andaloussi <i>FTA Transport</i>
Miguel Angel Cancino Peralta <i>Vera & Asociados, SC</i>			Mohamed Akchati <i>Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA)</i>
Antonio Cárdenas Arriola <i>White & Case LLP</i>			

Ali Alamri <i>Moroccan Cargo Partner</i>	Ahmed Mouflih <i>Association Marocaine des Producteurs et Producteurs Exportateurs de Fruits et Légumes (APEFEL)</i>	Soraia Abdula <i>Sociedade de Desenvolvimento do Porto de Maputo (MPDC)</i>	Venâncio Victor Gonemoda <i>LBH Moçambique</i>
Saleh Mohamed Amine <i>Cour Internationale de Médiation et d'Arbitrage (CIMEDA)</i>	Mohamed Oulkhour <i>Chassany Watrelot & Associés</i>	Florentina Virgílio Alberto <i>Florentina V. Alberto – Despachante Aduaneira</i>	Cristina Hunguana <i>Couto, Graça & Associados (CGA)</i>
Tariq Arif <i>Renault Maroc</i>	Yannick Poulain <i>Oil Argan & Oil Cactus Bio</i>	Alberto Buque <i>Tecnologia & Consultoria Agro-Pecuária Lda (Tecap)</i>	Zara Jamal <i>JLA Advogados</i>
Dris Barik <i>Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA)</i>	Karen Rignall <i>University of Kentucky</i>	Helder Simao Cau <i>Florentina V. Alberto – Despachante Aduaneira</i>	Ássma Jeque <i>Sal & Caldeira, Advogados Lda</i>
Filippo Bassi <i>ICARDA Morocco</i>	Salaheddine Rikaoui <i>Fourways</i>	Marla Mandlate Chade <i>SAL & Caldeira Advogados, Lda</i>	Osório Lucas <i>Sociedade de Desenvolvimento do Porto de Maputo (MPDC)</i>
Hasane Benalla	Salah Ritoune <i>Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA)</i>	Aulivio João Chambe <i>GARP-CF Gama Afonso Despachante Oficial Lda</i>	Rosario da Silva Macajo <i>Florentina V. Alberto – Despachante Aduaneira</i>
Jalal Benhayoun <i>PortNet SA</i>	Omar Sayarh <i>Sayarh & Menjra Cabinet d'Avocats</i>	Madalena dos Anjos Chambul <i>Madalena dos Anjos Chambul – Despachante Aduaneira, Lda.</i>	Dias Mafinda
Karim Benkirane <i>Espace Transit</i>	Ghalia Sebti <i>Ait Manos</i>	Carolina Sansão Chirrime <i>Sal & Caldeira, Advogados Lda</i>	Ali Magido
Mohamed Benkirane <i>Espace Transit</i>	Farhat Smail <i>Administration des Douanes et Impôts Indirects</i>	Dixon Chongo <i>Dixon Chongo & Associados Despachantes Aduaneiros Lda</i>	Isaac Mangue <i>LBH Moçambique</i>
Sami Darkaoui <i>Office National de Sécurité Sanitaire des Produits Alimentaires (ONSSA)</i>	Rachid Tahri <i>Association des Freight Forwarders du Maroc</i>	Aida Conde <i>PLMJ Advogados</i>	Élia dos Reis Manhiça <i>Élia Reis Lda – Despachante Aduaneiro</i>
Lamy El Mernissi <i>Figes</i>	Cathérine Taoudi <i>Safran Electrical & Power</i>	Paulino Cumbane <i>DHL Moçambique</i>	Simeão Ernesto Manhiça <i>GARP-CF Gama Afonso Despachante Oficial Lda</i>
Jamal Hachem	Houria Tazi Sadeq <i>Independent Academic</i>	Avelar da Silva <i>Intertek International Ltd.</i>	Tiago Martins <i>Transitex Global Logistics Operations Pty. Ltd.</i>
Zohra Hasnaoui <i>Cabinet HHH Avocats</i>	Kenza Yamani <i>Chassany Watrelot & Associés</i>	Mario Jorge de Almeida Matos <i>Biochem</i>	Carol Matias <i>JLA Advogados</i>
Ahmad Hussein <i>Cabinet HHH Avocats</i>	Hiba Zahoui <i>Bank Al-Maghrib</i>	Fulgêncio Dimande <i>Manica Freight Services SARL</i>	Nuno Morgado Pereira <i>TTA Advogados</i>
Younes Jalal <i>Transit JALAL</i>	Amine Zniber <i>Zniber Amine Notaire</i>	Antonio Fagilde <i>Tecnologia & Consultoria Agro-Pecuária Lda (Tecap)</i>	Ester Fátima Ngove Muchope <i>Madalena dos Anjos Chambul – Despachante Aduaneira, Lda.</i>
Amine Kandil <i>Charaf Corporation</i>	Meryem Zoubir <i>Chassany Watrelot & Associés</i>	Ivan Fernandes <i>Dixon Chongo & Associados Despachantes Aduaneiros Lda</i>	Pedro Murreria <i>Ministry of Transportation and Communications</i>
Samira Khalilouk <i>Agence Nationale de Réglementation des Télécommunications (ANRT)</i>	MOZAMBIQUE	Osvaldo Fernandes <i>Intertek International Ltd.</i>	Junaide Mussa <i>Dixon Chongo & Associados Despachantes Aduaneiros Lda</i>
Houda Laalaj <i>Chassany Watrelot & Associés</i>	Autoridade Tributária de Moçambique	Aline Gama Afonso <i>GARP-CF Gama Afonso Despachante Oficial Lda</i>	Tejas Nataraj <i>DP World Maputo</i>
Abdelaziz Lahrizi <i>TTAM</i>	Bolloré Transport & Logistics Moçambique	Tania Gemuce <i>Florentina V. Alberto – Despachante Aduaneira</i>	Angelino Nhacalangue <i>GARP-CF Gama Afonso Despachante Oficial Lda</i>
Ahlam Mekkaoui <i>Boulalf & Mekkaoui</i>	Câmara dos Depachantes Aduaneiros de Moçambique (CDA)	Pedro Gonçalves Paes <i>MC&A Sociedad de Advogados in Association with CF&A</i>	Castigo Nhamane <i>Federação moçambicana dos Transportadores Rodoviários (FEMATRO)</i>
Mohamed Ali Mekouar <i>CRIDEAU - Université de Limoges</i>	Instituto Nacional de Irrigação (INIR)	Lonrho MES Ltd.	Joaquim Oliveira <i>Intertek International Ltd.</i>
Ouaanda Mohammadi			



Antonio Paiva <i>Viscape</i>	Nyein Kyaw	Sharad Adhikari <i>Transport Specialist</i>	Dev Raj Paudyal <i>University of Southern Queensland</i>
Mozer Rolando <i>LBH Moçambique</i>	San Kyi <i>Ministry of Agriculture, Livestock and Irrigation</i>	Maniratna Aryal <i>Ministry of Agriculture and Livestock Development</i>	Surendra Pokharel <i>Ministry of Agricultural and Livestock Development</i>
Victoria Sande <i>Sal & Caldeira, Advogados Lda</i>	Rory J. Lang <i>Duane Morris & Selvam LLP Myanmar</i>	Mitra Baral <i>Department of Water Resources & Irrigation</i>	Prachanda Pradhan <i>Consultant</i>
Fernando Sequeira <i>AgriFocus</i>	Tin Latt	Bhola Basnet <i>Nepal Agricultural Research Council (NARC)</i>	Vijaya Bahadur Shah <i>Nepal Insurance Company Ltd.</i>
Hector Sousa <i>TIBA Group Mozambique</i>	CN Bei Lo <i>Duane Morris & Selvam LLP Myanmar</i>	Shashi Bisht <i>Department of Water Resources & Irrigation</i>	Dilli Ram Sharma <i>Ministry of Agriculture and Livestock Development</i>
Miguel Spínola <i>PLMJ Advogados</i>	Minn Naing Oo <i>Allen & Gledhill LLP</i>	Daksha Chhetri <i>Neupane Law Associates</i>	P. L. Shrestha <i>Evergreen Cargo Services Pvt. Ltd.</i>
Adina Sulemane <i>JLA Advogados</i>	Thet Naing Win <i>Myanmar Microfinance Bank</i>	Khin Thein Nyunt <i>Ministry of Agriculture, Livestock and Irrigation</i>	Suman Lal Shrestha <i>H.R. Logistic Pvt. Ltd.</i>
Mário Sumburane <i>J. Faife - Despachante Aduaneiro</i>	Hla Oo <i>Good Brothers Machinery Co. Ltd.</i>	Madhab Raj Ghimire <i>PSM Global Consultants (Pvt.) Ltd.</i>	Madhusudan Singh Basnyat <i>Ministry of Agriculture and Livestock Development</i>
Cândido Timana <i>Röhlig-Grindrod Moçambique Lda</i>	U Lwin Oo <i>Myanmar Insurance</i>	Yam Kanta Gaihre <i>International Fertilizer Development Center (IFDC)</i>	Deepak Thapa <i>Green Hill City (Pvt.) Ltd.</i>
Gabriel Timana <i>Röhlig-Grindrod Moçambique Lda</i>	Min Htet Phyo <i>Allen & Gledhill LLP</i>	Shreedhar Kapali <i>Shangri-La Freight Pvt. Ltd.</i>	Rajendra Upadhyay <i>Regional Agriculture Directorate</i>
Sergio Ussaca <i>African Fertilizer and Agribusiness Partnership (AFAP)</i>	Key Pwint Phoo Wai <i>Care Freight Services Ltd.</i>	Suma Karkee <i>Ministry of Agriculture and Livestock Development</i>	
Liana Utxavo <i>Manica Freight Services SARL</i>	Krishna Ramachandra <i>Duane Morris & Selvam LLP Myanmar</i>	Ranjit Karna <i>Ncell</i>	
Llionel Zisengwe	San San <i>Syngenta Foundation</i>	Jagat Bahadur Khadka <i>Nepal Shipping & Air Logistics Pvt. Ltd.</i>	
	Priyank Srivastava <i>Duane Morris & Selvam LLP</i>	Mahendra P. Khanal <i>Ministry of Agriculture and Livestock Development</i>	
	Zeya Thura Mon <i>Zeya & Associates Co. Ltd.</i>	Bikash Kharel <i>Ministry of Agriculture and Livestock Development</i>	
	Bei Wang <i>Duane Morris & Selvam LLP</i>	Ujjawal Kushwaha <i>Nepal Agricultural Research Council</i>	
	Kyaw Kyaw Win <i>Yezin Agricultural University (YAU)</i>	Kabin Maharjan	
	Leon Yee <i>Duane Morris & Selvam LLP</i>	Pradip Maharjan <i>Agro Enterprise Centre (FNCCI)</i>	
		Ashok Man Kapali <i>Shangri-La Freight Pvt. Ltd.</i>	
		Shambhu Manandhar <i>Department of Water Resources & Irrigation</i>	
		Yogendra Mandal <i>Jeevan Bikas Samaj (JBS)</i>	
		Janardan Dev Pant <i>Nirdhan Utthan Bank</i>	

MYANMAR

AGX Logistics Myanmar Co. Ltd.	
Htay Aung <i>Myan Shwe Pyi Tractors Ltd.</i>	
William D. Greenlee, Jr. <i>DFDL</i>	
Gerhard Hartzenberg <i>Convenience Prosperity Co., Ltd.</i>	
Min Aung Hein <i>Harmony Myanmar Agro Group Co., Ltd.</i>	
Thadoe Hein	
Than Htun Aung <i>Ministry of Communications and Information Technology</i>	

NEPAL

Ayush Jhunjhunwala <i>Allen & Gledhill LLP</i>	Anup Kumar Acharya <i>Kathmandu University</i>
Nay Myo Myat Ko <i>Care Freight Services Ltd.</i>	Bidya Kanta Adhikari <i>Samriddhilaw P. Ltd.</i>
Dolly Kyaw <i>International Fertilizer Development Center (IFDC)</i>	Chandramani Adhikari <i>Allied Law Services</i>

NETHERLANDS

Dutch Produce Association
EW Nutrition
Medicines Evaluation Board
Ministry of Economic Affairs
National Council for Cooperatives (NCR)
Tilburg University
Huub Beelen <i>Limagrain Europe</i>
Reint Bolhuis <i>AKD Lawyers, Civil Law Notaries & Tax Lawyers</i>
Leon Fock <i>Culterra</i>
Frank Heijmann <i>Customs Administration of The Netherlands</i>
Jan Hockx <i>Lexence</i>
Leon Kanters <i>KPMG Netherlands</i>
Daan Komen <i>Nautilex</i>



Quinten Kroes <i>Brinkhof</i>	NEW ZEALAND		
Taco de Lange <i>AKD Lawyers, Civil Law Notaries & Tax Lawyers</i>	<i>New Zealand Seed and Grain Trade Association</i>		
Niels Louwaars <i>Plantum</i>	<i>NZ Transport Agency</i>		
Erik Mostert <i>Delft University of Technology</i>	<i>Helen Atkins</i> <i>Atkins Holm Majurey</i>		
Gert Mulder <i>GroentenFruit Huis</i>	<i>Simon Berry</i> <i>Berry Simons</i>		
Najim Ouelaouch	<i>Trevor Daya-Winterbottom</i> <i>Faculty of Law, University of Waikato</i>		
Nicolette Quaedvlieg <i>GroentenFruit Huis</i>	<i>Marianne Mackintosh</i> <i>Tompkins Wake</i>		
Inge Ribbens <i>GroentenFruit Huis</i>	<i>Elizabeth Macpherson</i> <i>University of Canterbury School of Law</i>		
Adrianus Rijk	<i>Geoff Morgan</i> <i>Kiwifruit New Zealand</i>		
Liesbeth Slappendel <i>TLN-Fenex</i>	<i>Elly Sharp</i> <i>Zespri International Limited</i>		
Willem Swinkels <i>Dutch Association for the Feed Industry (Nevedi)</i>	<i>Ceri Warnock</i> <i>University of Otago</i>		
Tamara Ubink <i>Norton Rose Fulbright</i>	<i>Warren Young</i> <i>Zespri International Limited</i>		
Marien Valstar <i>Ministry of Agriculture, Nature and Food Quality</i>	<i>Lihong Zhu</i> <i>Ministry for Primary Industries</i>		
Bastiaan Van Berne <i>Panteia BV</i>	NICARAGUA		
Wilma van den Oever <i>GroentenFruit Huis</i>	<i>Asociación Nicaragüense de Agentes Navieras</i>		
Theofiel van der Zwaluw <i>Limagraine Europe</i>	<i>Cargill</i>		
Gert-Jan van Gijss <i>VAT Logistics (Ocean Freight) BV</i>	<i>Estudio Jurídico Aduanero</i>		
Gijs van Leeuwen <i>Norton Rose Fulbright</i>	<i>Ana Victoria Abea Gómez</i> <i>CETREX</i>		
Laura van Schöll <i>NMI - Agro</i>	<i>Guillermo Abella</i> <i>CMA CGM</i>		
Peter Verbaas <i>GroentenFruit Huis</i>	<i>Jesús Alcázar Andrade</i>		
Gerard Vos <i>Buck Consultants International</i>	<i>Yara Valesia Alemán Sequeira</i> <i>Arias & Muñoz</i>		
Jacques Vos <i>Kadaster, Land Registration & Geography</i>	<i>Cristhian Julissa Altamirano</i> <i>Tórres</i> <i>CETREX</i>		
Stephan Westera <i>Lexence</i>	<i>Bernardo Arauz</i> <i>Bautrans & Logistics</i>		

Juan Carvajal <i>ProNicaragua</i>	Rosario Sáenz Ruiz <i>Fundación Nicaragüense para el Desarrollo Sostenible (FUNDENIC SOS)</i>
Lizbeth Castillo <i>Formunica</i>	Karla Patricia Sandino Marquez <i>Consortium Legal</i>
Juan Agustín Chavarría Valdivia <i>Organismo Internacional Regional de Sanidad Agropecuaria</i>	Ricardo José Somarriba Reyes <i>Independent Consultant</i>
Graciela Cruz <i>García & Bodán</i>	Rodrigo Taboada <i>Consortium Legal</i>
Veronica Espana <i>Logistic International</i>	Carlos Téllez <i>García & Bodán</i>
Sergio Gámez Guerrero <i>Universidad Nacional de Ingeniería (UNI)</i>	Elisabeth Zamora <i>Telcor</i>
Maryeling Suyen Guevara Sequeira <i>Arias & Muñoz</i>	Carlos Zarruk <i>ProNicaragua</i>
Myriam Jarquín <i>IPRA-CINDER</i>	NIGER
Edmundo Lacayo Castillo <i>Instituto Nicaragüense de Telecomunicaciones y Correos (TELCOR)</i>	Alimataou Douki Abdou <i>Direction Générale de la Protection des Végétaux</i>
Warren Young <i>Zespri International Limited</i>	Salou Abdou Doro <i>ARTP</i>
Ceri Warnock <i>University of Otago</i>	Daouda Adamou <i>Office Notarial AHD</i>
Lihong Zhu <i>Ministry for Primary Industries</i>	Issouf Baco <i>Société Nigérienne de Transit (NITRA)</i>
Jorge Martinez <i>Maquipos SA</i>	Moussa Bola <i>Projet de Développement des Exportations des Marchés Agro-Sylvo-Pastoraux (PRODEX)</i>
Danilo Martínez Rocha	Medesse Fabien Bossou <i>Orange Niger</i>
Xiomara Mena <i>CETREX</i>	Moustapha Boukari <i>Cabinet d'Avocats & Collaborateurs</i>
Julio Munguía <i>Federation of Agricultural Producers of Nicaragua (UPANIC)</i>	Medesse Fabien Bossou <i>Orange Niger</i>
Belky de los Angeles Muñoz <i>Cargill de Nicaragua SA</i>	Mamane Chekaraou <i>Ministère de l'Agriculture et de l'Elevage</i>
Luis Murillo <i>Rex Cargo Nicaragua SA</i>	Mahaman Garba <i>International Fertilizer Development Center (IFDC)</i>
Reynaldo Murillo Valverde <i>Consultoría y Capacitación Corporativa SA (CYCCO)</i>	Abdou Hima <i>Projet de Développement des Exportations des Marchés Agro-Sylvo-Pastoraux (PRODEX)</i>
Silvio Guillermo Otero Quiroz <i>GlobalTrans Internacional</i>	Ibrahim Insitak <i>Office National des Aménagements Hydro Agricoles (ONAH)</i>
Yader Oswaldo Reyes Membreño <i>Grupo Vesta</i>	Moutari Issifou <i>Asus SA</i>
Ana Teresa Rizo Briceño <i>Arias & Muñoz</i>	



Boube Issouf <i>Negoce International Niger</i>	Green Ademola <i>OLAM Nigeria</i>	Hosanna Esene <i>TRLP Law</i>	John Abah Obaje <i>Nigeria Agricultural Quarantine Service</i>
Sandao Issoufou <i>Ministère de l'Hydraulique et de l'Assainissement</i>	Temitope Adenaike <i>Giwa-Osagie & Co.</i>	Nick Ezech <i>Aulic Nigeria Limited</i>	Pedi Obani <i>University of Benin</i>
Elh. Moustapha Kadri <i>SAFIE/NIGER Oignon Import – Export</i>	Tokunbo Adewale Toriola <i>Armajaro Nigeria Limited</i>	Uriel Ezech <i>Penta Venture Management Ltd.</i>	Ifechukwude Obiago <i>Udo Udoma & Belo-Osagie</i>
Atahirou Karbo <i>Ministère de l'Hydraulique et de l'Assainissement</i>	Nosa Afe <i>LogistiQ Xpeditors Limited</i>	Isaac Fadairo <i>Grooming Centre</i>	Jude Oboh <i>Office of the Vice President</i>
Aliou Kouré <i>Office National des Aménagements Hydro Agricoles (ONAH)</i>	Kenechukwu Agwu <i>Ajumogobia & Okeke</i>	Augustine Fischer <i>APM Terminals</i>	Abutu Odu <i>Olajide Oyewole LLP</i>
Mahamane Nasser Laouali <i>Institut National de la Recherche Agronomique du Niger (INRAN)</i>	Oreoluwa Ajai <i>Sefton Fross</i>	Oyetade Gbajumo <i>Olaniwun Ajayi & Co.</i>	Jumoke Oduwole <i>Office of the Vice President</i>
Issoufou Maikano <i>Ministère de l'Agriculture et de l'Elevage</i>	Konyin Ajayi <i>Olaniwun Ajayi & Co.</i>	Temitope Giwa <i>Olaniwun Ajayi & Co.</i>	Collins Ogbu <i>Templars</i>
Mariama Mamane <i>Ministère de l'Agriculture et de l'Elevage</i>	Olawale Ajetunmobi <i>Sefton Fross</i>	Bosede Giwa-Osagie <i>Giwa-Osagie & Co.</i>	Boluwatife Ojikutu <i>Sefton Fross</i>
Kaigama Kiari Noudjia <i>Ministère de l'Hydraulique et de l'Assainissement</i>	Ajibola Anthony Akanji <i>Lead City University</i>	Joseph Idiong <i>Association of Nigerian Exporters</i>	Olusola Ojo <i>Ola Victory Ventures</i>
Zakary Rhissa <i>Fondation Taboghor</i>	Emmanuel M. Akpabio <i>University of Uyo</i>	Mmesoma Faith Ihegazie <i>Aulic Nigeria Limited</i>	Daniel Okafor <i>POFAN</i>
Karimou Salifou <i>Airtel Niger</i>	Solomon Alo <i>Templars</i>	Ebere Iwuagwu-Akwuebu <i>Environmental Law Research Institute</i>	Sunday Oke <i>Federal Ministry of Agriculture and Rural Development</i>
El Hadj Saminou <i>Office National des Aménagements Hydro Agricoles (ONAH)</i>	Manir Aminu <i>Babura Microfinance Bank Ltd.</i>	Asamah Kadiri <i>Jackson, Etti & Edu</i>	Ben Okoye <i>Brass Fertilizer</i>
Olusola Ayodele <i>Nigeria Employers' Consultative Association (NECA)</i>	Olayemi Anyanechi <i>Sefton Fross</i>	Josiah Kantiyok <i>Veterinary Council of Nigeria</i>	Oluwatosin Okunrinboye <i>Ajumogobia & Okeke</i>
Tosho Bakinde <i>University of Ilorin</i>	Adeniyi Aremu <i>Lower Niger River Basin Development Authority</i>	Daniel Kayode <i>Ibafon Container Terminal Nigeria Limited</i>	Jehiel Oliver <i>Hello Tractor</i>
Hassan Bdliya <i>Hadejia Jama'are Komadugu Yobe Basin Trust Fund</i>	Anthony Ayalogu <i>Nigerian Customs</i>	Oghogho Makinde <i>Aluko & Oyebode</i>	Kate Onianwa <i>Ajumogobia & Okeke</i>
Ifeadi Chekwube <i>National Agency for Food and Drug Administration and Control (NAFDAC)</i>	Bunmi Moses <i>Obum Bukola Moses & Co.</i>	Abubakar Muhammed <i>BlueBlood Veterinary Ltd.</i>	Christopher Onukwuba <i>Nigeria Agricultural Quarantine Service</i>
Ukata Christian <i>Afriglobe Shipping Lines Ltd.</i>	Ifeanyi Njoagwuani <i>Nigerian Institute of Animal Science</i>	Victor Munis <i>TRLP Law</i>	Tunde Osasona <i>Whitestone Worldwide Ltd.</i>
Barbara Otito Chukwurah <i>National Agency for Food and Drug Administration and Control</i>	Chukwudi Nnanna <i>Bollore Transport and Logistics Ltd.</i>	Hasiya Nagode <i>Templars</i>	Maryam Oyebode <i>Olaniwun Ajayi & Co.</i>
Kofo Dosekun <i>Aluko & Oyebode</i>	Frederick Festus Ntido <i>Adepetun, Caxton-Martins Agbor & Segun</i>	Ifeanyi Njoagwuani <i>Nigerian Institute of Animal Science</i>	Olajumoke Popoola <i>Office of the Vice President</i>
Salome Tafida <i>Federal Ministry of Agriculture and Rural Development</i>	Vivian Nwanna <i>Zenith Carex</i>	Ahmed Rabiu Kwa <i>Fertilizer Producers & Suppliers Association of Nigeria</i>	Ahmed Rabiu Kwa <i>Fertilizer Producers & Suppliers Association of Nigeria</i>
Frederick Festus Ntido <i>Adepetun, Caxton-Martins Agbor & Segun</i>	Eresi Uche <i>Templars</i>	Gbolahe Thomas <i>Smile Communications Nigeria</i>	Gbolahe Thomas <i>Smile Communications Nigeria</i>
Vivian Nwanna <i>Zenith Carex</i>			

NIGERIA

Hasal Microfinance Bank	Tosho Bakinde <i>University of Ilorin</i>	Abubakar Muhammed <i>BlueBlood Veterinary Ltd.</i>	Maryam Oyebode <i>Olaniwun Ajayi & Co.</i>
Nigerian Maritime Administration & Safety Agency	Hassan Bdliya <i>Hadejia Jama'are Komadugu Yobe Basin Trust Fund</i>	Victor Munis <i>TRLP Law</i>	Olajumoke Popoola <i>Office of the Vice President</i>
Mohammed K. Abdulsalam <i>Gitras Ltd.</i>	Ifeadi Chekwube <i>National Agency for Food and Drug Administration and Control (NAFDAC)</i>	Hasiya Nagode <i>Templars</i>	Ahmed Rabiu Kwa <i>Fertilizer Producers & Suppliers Association of Nigeria</i>
Joseph Adegbite <i>Nigerian Ports Authority</i>	Ukata Christian <i>Afriglobe Shipping Lines Ltd.</i>	Ifeanyi Njoagwuani <i>Nigerian Institute of Animal Science</i>	Salome Tafida <i>Federal Ministry of Agriculture and Rural Development</i>
Kunle Adegbite <i>Canaan Solicitors</i>	Barbara Otito Chukwurah <i>National Agency for Food and Drug Administration and Control</i>	Chukwudi Nnanna <i>Bollore Transport and Logistics Ltd.</i>	Frederick Festus Ntido <i>Adepetun, Caxton-Martins Agbor & Segun</i>
Ahmed Adekunle <i>Nigerian Agricultural Mechanization and Equipment Leasing (NAMEL)</i>	Kofo Dosekun <i>Aluko & Oyebode</i>	Vivian Nwanna <i>Zenith Carex</i>	Eresi Uche <i>Templars</i>
Olamilekan Adelana			



Damian Udeh
NatCom Development & Investment Limited (Ntel)

Anthony Udenze
Nigerian Customs

Ijeoma Uju
Templars

Aniekan Ukpah
Udo Udoma & Belo-Osagie

Yila Umaru
Agriprojects Concepts International

Ismaila Usman
Olajide Oyewole LLP

Bhagu Vasnani
Primilaks Nigeria Ltd.

Bala Zakariyau
Niger Insurance PLC

NORWAY

Norwegian Public Roads Administration

Pia Borg
Norwegian Food Safety Authority

Peter Brechan
Haavind AS

Per Morten Christiansen
Selmer AS

Jon Arne Dieseth
Graminor AS

Adam Estrup
Veterinary Industry Nordic

Børre Gunnerud
Wikborg Rein Advokatfirma AS

Cathrine Hambro
Wahl-Larsen Advokatfirma AS, Oslo

Kristian Ask Hammervik
Advokatfirmaet Simonsen Vogt Wiig AS

Reidar Myhre
Advocatfirmaet Thommessen AS

Arne Oftedal
Advokatfirmaet Simonsen Vogt Wiig AS

Knur Røflo
Felleskjøpet Fôrutvikling AS

Elisabeth Voldsgård
Advocator Advokatfirma AS

PAKISTAN

Ayub Agricultural Research Institute

Pakistan International Freight Forwarders Association

Kashif Adnan
Anaaji Inc.

Irfan Afzal
University of Agriculture

Hafsa Ahmad
Cornelius, Lane & Mufti

Junaid Ahmad

Noor Ahmed
State Bank of Pakistan

Qurban Ahmed
Directorate General Agriculture (Field)

Feroz Akbar
Shahaeen Airport Services

Hafiz Ali Raza
Directorate General Agriculture (Field)

Muhammad Arshad
Maize and Millet Research Institute

Moiz Baig
Office of the Attorney-General for Pakistan

Ahsan Bajwa
Farm Dynamics Pakistan (Pvt.) Ltd.

Yasir Bajwa
Farm Dynamics Pakistan (Pvt.) Ltd.

Abdul Ghafoor
Plant Genetic Resources Institute (PGRI)

Aamir Ghani
Maize and Millet Research Institute

Lubna Ghazal
University of Karachi

Muhammad Zulqarnain Hader
ICI Pakistan Ltd.

Ghulam Hussain
Agricultural Mechanization Research Institute - AMRI

Syed Akhlaq Hussain
Consultant

Syed Nadeem Hussain
Pakistan Microfinance Network

Shahrukh Iftikhar
RIAA Barker Gillete

Hasan Irfan Khan
Irfan & Irfan

Asif Karim
Board of Revenue Scanning Unit

Sohail Afzal Kayani
Fauji Fertilizer Company Limited

Ameer Khan
Indus Motors Co. Ltd.

Ghazi Khan
Legal Oracles

Maria Khan
Irfan & Irfan

Maryum Khan
University of Karachi

Muhammad Tariq Khan
Ministry of National Food Security & Research

Rafia Khatri
RIAA Barker Gillete

Imran Mohmand
Federal Board of Revenue

Mishka Khan Mohmand
Planning and Development Department, Government of Punjab

Sadaf Muneeb
Ravian International Agencies

Mustafa Munir Ahmed
RIAA Barker Gillete

Ghulam Dastagir Paracha
Ravian International Agencies

Kashif Rasheed
Pak Suzuki Motor Co. Ltd.

Muhammad Shoaib Rashid
Cornelius, Lane & Mufti

Hamid Rasul
Foton JW Auto Park

Hassan Ali Raza
Orr, Dignam & Co.

Irfan Razzaq
Government of Punjab

Ahsan Rizvi
RIAA Barker Gillete

Masood Siddiqui
A. Shakoor & Bros.

Haris Syed Raza
Gerry's dnata Pvt. Ltd.

Srraa Tahir
Orr, Dignam & Co.

Naghma Tehniat
Federal Board of Revenue

Ilham Uddin

Ata Ul Monim
Farm Dynamics Pakistan (Pvt.) Ltd.

Muhammad Wasim
Directorate General Agriculture (Field)

PANAMA

Ministerio de Desarrollo Agropecuario (MIDA)

Yara Panama

Luisa Arauz Arredondo
CIAM Panama

David Eugenio Carrillo Villarreal
Carrilloley Abogados

Marco Antonio Navarro Gutiérrez
Instituto de Investigación Agropecuaria de Panamá

Jorge G. Obediente
Dolce Pineapple Co., Inc.

Yara Trujano
Arias

Jair Uriola-Quiroz
Mejía & Asociados

PERU

Rodrigo, Elías & Medrano
Abogados

Rafael Alcázar
Rebaza, Alcazar & De las Casas

Jesús Alcázar Andrade

Eliana Ames Vega
Organismo de Evaluación y Fiscalización Ambiental (OEFA)

Evelin Aragón Grados
ADEX

Gonzalo Arias Schereiber
CONUDFI

Gerard Daniel Blair Arze
Servicio Nacional de Sanidad Agraria (SENASA)

Arrelis Avila Tagle
CONUDFI





Nino Boggio <i>Entel Perú SA</i>	Alejandra Giurfa <i>Llona & Bustamante Abogados</i>	Cynthia Rebaza <i>Rebaza, Alcazar & De las Casas</i>	Sebastian Villegas <i>Entel Perú SA</i>
Mauricio Bohórquez <i>Rubio Leguía Normand</i>	Evelin Aragón Grados <i>CONUDFI</i>	Roberts Ríos Pereyra <i>Organismo de Evaluación y Fiscalización Ambiental (OEFA)</i>	Augusto Felipe Zingg Rosell <i>Universidad Nacional Agraria La Molina</i>
Eli Bustinza <i>CONUDFI</i>	Jorge Armando Guevara Gil <i>Pontificia Universidad Católica del Perú (PUCP)</i>	Juan Rivadeneyra	
Cristian Calderon Rodriguez <i>CONUDFI</i>	Carlos Alberto Hernández Ladera <i>Ransa Comercial SA</i>	Guillermo Acuña Roeder <i>Rubio Leguía Normand</i>	
Ivan Camacho <i>Zoetis</i>	Ambra Huaman <i>Andina Freight</i>	Piero Rojas <i>CMS - GRAU</i>	
Cinthia Cánepe <i>Rebaza, Alcazar & De las Casas</i>	Rudy Huamán <i>Huaro Operador Logístico SAC</i>	Carolina Sáenz <i>Rubio Leguía Normand</i>	
Fabiola Capurro <i>Philippi, Prietocarrizosa, Ferrero DU & Uría</i>	César Ballón Izquierdo <i>Ransa Comercial SA</i>	Rosa Angélica Sánchez Díaz <i>Instituto Nacional de Innovación Agraria (INIA)</i>	
Juan Jose Cardenas <i>Rebaza, Alcazar & De las Casas</i>	Juan Carlos Leon Siles <i>CONUDFI</i>	Raul Sanchez Sabogal <i>Transoceanic</i>	
Patricia Carrillo <i>CONUDFI</i>	Guillermo Marcial C. <i>Andina Freight</i>	Pablo Santos Curo	
Renatto Castro Macedo <i>Andina Freight</i>	Jean Marco Martinez <i>Zentrum Logistic</i>	Ruth de Lourdes Sipión Chunga <i>Ransa Comercial SA</i>	
Juan Carlos Castro Vargas <i>Autoridad Nacional del Agua (ANA)</i>	Shane Martínez del Águila <i>Comisión Especial que Representa al Estado Peruano ante Controversias Internacionales de Inversión</i>	Javier Solis Estrada <i>IPESA SAC</i>	
Vanessa Chávarry <i>Payet, Rey, Cauvi, Pérez Abogados</i>	Luis Miranda Obando <i>MSD Animal Health</i>	Enrique Sebastián Soto Ruiz <i>Congreso de la Republica</i>	
Octavio Chirinos <i>CONUDFI</i>	Enrique D. Moncada Mau	Manuel Alipio Suárez Yávar <i>Santiváñez Abogados</i>	
Peter Davis <i>CONUDFI</i>	Iván Ortiz Sánchez <i>Pontificia Universidad Católica del Perú (PUCP)</i>	Nicolás E. Takashima	
Oscar Rafael de Cordova Dianderas <i>APPI Semillas - Asociación Peruana de Productores e Importadores de Semillas</i>	Mauricio Paredes <i>Estudio Torres y Torres Lara Abogados</i>	Jorge Tanaka Nakamacho <i>Servicio Nacional de Sanidad Agraria (SENASA)</i>	
Gabriela De la Colina Ochoa <i>Investa</i>	Fiorella Pía Peyrone Villacorta <i>Osterling Abogados</i>	Elliott Tarazona Álvarez <i>Asociación Automotriz del Perú (AAP)</i>	
Jacqueline Escobar <i>Rebaza, Alcazar & De las Casas</i>	Gloria Carolina Pita Ocaña <i>Santiváñez Abogados</i>	Carlos Torres Mariño <i>Compañía Minera Antamina</i>	
María del Pilar Falcón Castro <i>Llona & Bustamante Abogados</i>	Juan Prado Bustamante <i>Llona & Bustamante Abogados</i>	Jhonn Trujillo <i>Trust Cargo Consulting</i>	
Fiamma Fernandez Saldamando <i>CONUDFI</i>	Jose Miguel Puiggros Otero <i>Miranda & Amado Abogados</i>	Walter Urteaga <i>Andina Freight</i>	
Enrique Ferrando Gamarra <i>Osterling Abogados</i>	Manuel Quindimil <i>Cámara de Comercio Americana del Perú</i>	Luis Benito Valdiviezo Arellano	
Flavia Ferreira de Castro <i>Programa Feed & Food Seguro Latinoamérica</i>	Oscar Quiñones <i>CONUDFI</i>	Luis Valle Rodríguez <i>invetsa</i>	
Sandra Flores Llayeri <i>CONUDFI</i>	Carlos Martín Ramírez Rodríguez <i>Estudio Zuzunaga, Asereto y Zegarra Abogados</i>	Jose Velit <i>Rubio Leguía Normand</i>	
		Carlo Verano Zelada <i>Autoridad Nacional del Agua (ANA)</i>	
		Vito Verna Coronado <i>CMS - GRAU</i>	

PHILIPPINES

National Reinsurance Corporation of the Philippines

SeedWorks

Gideon F. A. Abaquia, Jr.
Dime & Eviota Law Firm (DLDE Law)

Mayleen Abarico

Franchette M. Acosta
Villaraza and Angangco

Marilyn C. Alberto
Kintetsu World Express, Inc.

Apolinario Amoroso
All Certified Equipment Trading Corporation

Sheryl Anzures
Cargill Philippines, Inc.

Norma Margarita B. Patacsil
Gaymaytan Yap Patacsil Gutierrez & Protacio (C&G Law)

Samuel C. Bautista
Academy of Developmental Logistics – International Network of Customs Universities

Rex Bingbing
R2M Construction Corporation

Denis C. Cabucos
Department of Finance

Robert Louis Castro
Monarch Agricultural Products, Inc.

Rafael del Rosario
Romulo, Mabanta, Buenaventura, Sayoc & De Los Angeles

Miguel Franco T. Dimayacyac
SyCip Salazar Hernandez & Gatmaitan

Ronald Dime
Dime & Eviota Law Firm (DLDE Law)

Patrick Benson Espanto
Department of Agriculture

Nestor A. Espenilla, Jr.
Bangko Sentral ng Pilipinas

Rodolfo Estigoy <i>Philippine Center for Postharvest Development and Mechanization (PHILMECH)</i>	Jeffrey Tacio <i>Bureau of Customs</i>	Andrzej Kalwa	José Carapeto <i>APIFVET</i>	
Raymund Illustré <i>Atlas Fertilizer Corporation</i>	Pacifico Rolando Tacub <i>Bureau of Customs</i>	Wieslawa Kasperska-Wolowicz <i>Institute of Technology and Life Sciences</i>	Manuel da Silva Gomes <i>PLMJ Advogados, SP, RL</i>	
Paul Rodulfo B. Imperial <i>Villaraza and Angango</i>	Doris P. Torres <i>Stamm International, Inc.</i>	Waclaw Knopkiewicz <i>GWW</i>	Maria Macau <i>Valtra Inc.</i>	
Lyn Javier <i>Bangko Sentral ng Pilipinas</i>	Philbert Varona <i>SyCip Salazar Hernandez & Gatmaitan</i>	Joanna Krakowiak <i>Wardyński & Partners</i>	Filipe Lowndes Marques <i>Morais Leitão, Galvão Teles, Soares da Silva & Associados</i>	
Marion Nerisse D. Kho <i>SyCip Salazar Hernandez & Gatmaitan</i>	Imelda Walcien <i>National Telecommunications Commission</i>	Nina Kuśnierkiewicz <i>Wardyński & Partners</i>	José Luís Moreira da Silva <i>SRS Advogados</i>	
Rose Marie King-Dominguez <i>SyCip Salazar Hernandez & Gatmaitan</i>	POLAND			
Mary Aubrey Leigh Lim <i>Insights Philippines Legal Advisors</i>	<i>Bayer Animal Health</i>	Krzysztof Libiszewski <i>Wardyński & Partners</i>	Ivone Rocha <i>Telles Advogados</i>	
Francis Lopez <i>Intercommerce Network Services</i>	<i>EW Nutrition</i>	Joanna Organiściak-Płachta <i>Salt City Pharma Center</i>	Alexandra Valente <i>SRS Global</i>	
Ferdinand A. Nague <i>Nague Malic Magnawa & Associates – Customs Brokers</i>	<i>KNF Polish Financial Supervision Authority</i>	Piotr Putyra <i>Dukdowiak, Kopeć Law Firm</i>	ROMANIA	
Rechilda Oquias <i>Bureau of Customs</i>	<i>Polska Izba Gospodarcza Maszyn i Urządzeń Rolniczych (PIGMIUR)</i>	Jan Radniecki <i>PIMR - Industrial Institute of Agricultural Engineering</i>	<i>Autoritatea Natională Fitosanitara</i>	
Gerald Glenn Panganiban <i>Bureau of Plant Industry (BPI)</i>	<i>Research Center for Cultivar Testing</i>	Martyna Robakowska <i>Wardyński & Partners</i>	<i>EW Nutrition</i>	
Fernando S. Peñarroyo <i>Puno & Peñarroyo</i>	Marcin Alberski <i>Bird & Bird Szepietowski i wspólnicy sp. k.</i>	Zuzanna Staniszewska <i>Squire Patton Boggs</i>	<i>KPMG</i>	
Carren Jean Ramirez <i>Gaymaytan Yap Patacsil Gutierrez & Protacio (C&G Law)</i>	Arkadiusz Artyszak	Marlena Sychowicz <i>Office for Registration of Medicinal Products, Medical Devices and Biocidal Products</i>	<i>National Administration Romanian Waters</i>	
Aaron Roi B. Riturban <i>SyCip Salazar Hernandez & Gatmaitan</i>	Maciej Bialek <i>Domański Żakrzewski Palinka (DZP)</i>	Piotr Szwedko <i>Jagiellonian University</i>	Oana Badarau <i>Peli Filip SCA</i>	
Teresita S. Sandoval <i>Department of Agriculture</i>	Dominik Bierecki <i>National Association of Cooperative Savings and Credit Unions</i>	Dominik Watkowski <i>Wardyński & Partners</i>	Leonardo Badea <i>The Financial Supervisory Authority (ASF)</i>	
Mary Ann Sayoc <i>East-West Seed Company, Inc.</i>	Anna Brandyk <i>Municipal Water Supply and Sewerage</i>	Cezary Wernic <i>Ministry of Finance</i>	Georgiana Balan <i>D&B David și Baiaș Law Firm</i>	
Angelique Pearl Simbulan <i>Gaymaytan Yap Patacsil Gutierrez & Protacio (C&G Law)</i>	Daniel Chojnacki <i>Domański Żakrzewski Palinka (DZP)</i>	Ludwik Wicki <i>Warsaw University of Life Sciences</i>	Petrisor Costache-Bobescu <i>Ceva Santé Animale</i>	
Rene So <i>Soiltech Agricultural Products Corporation</i>	Jarosław Daniel	Stanislaw Wolski <i>John Deere Polska Sp. z o.o.</i>	Iulia Danila <i>Cargill Agricultura SRL</i>	
Delfin C. Suministro <i>University of the Philippines</i>	Michał Dukdowiak <i>Dukdowiak, Kopeć Law Firm</i>	Mateusz Zawistowski <i>White & Case LLP</i>	Radu Dinescu <i>National Union of Road Hauliers from Romania (UNTRR)</i>	
Felix Sy <i>Insights Philippines Legal Advisors</i>	Piotr Dynowski <i>Bird & Bird Szepietowski i wspólnicy sp. k.</i>	PORTUGAL		
	Tymon Grabarczyk <i>Domański Żakrzewski Palinka (DZP)</i>	Ana Cristina Borges <i>Antas da Cunha Ecija</i>	Monia Dobrescu <i>Mușat & Asociații</i>	
	Igor G. Hanas <i>Squire Patton Boggs</i>	Luis Branco <i>Morais Leitão, Galvão Teles, Soares da Silva & Associados</i>	Cristina Filip <i>Peli Filip SCA</i>	
			Camelia Ionescu	
			Mihaela Ispas <i>Peli Filip SCA</i>	
			Luisa Nicoleta Mateescu <i>Pablio Logistics SRL</i>	



Lucian Melut <i>SC Transavia SA</i>	Ekaterina Dedova <i>Bryan Cave Leighton Paisner LLP</i>	Ilya Titov <i>Beiten Burkhardt Rechtsanwälte (Attorneys-at-Law)</i>	Peter Ngugi <i>Yara</i>
Ivascu Mihai <i>Romanian Association of Producers and Importers of Agricultural Machinery- APIMAR</i>	Taras Derkatsch <i>Beiten Burkhardt Rechtsanwälte (Attorneys-at-Law)</i>	Maria Tsarenkova <i>Ceva Santé Animale</i>	Alfred Nkubili <i>ENAS</i>
Mona Mușat <i>Mușat & Asociații</i>	Mikhail Erokhin <i>Bryan Cave Leighton Paisner LLP</i>	Karen Young <i>DLA Piper</i>	Issa Nkurunziza <i>National Agricultural Export Development Board (NAEB)</i>
Irina Oprea <i>Peli Filip SCA</i>	Sergey Goncharov		Oreste Nshimiyimana <i>Mulindi Factory Company Limited</i>
Marius Petrache <i>Marcoser</i>	Anton Grebennikov <i>FWD LLC</i>		Mathieu Ntegano <i>Rwanda Utilities Regulatory Authority (RURA)</i>
Andreea Pomirleanu	Max Gutbrod <i>Baker & McKenzie - CIS, Limited</i>		Jacqueline Nyirakamana <i>Ministry of Environment and Natural Resources</i>
Claudiu Anton Pop <i>Pop & Partners SCA Attorneys-at-Law</i>	Sergey Iakovlev <i>Baker & McKenzie - CIS, Limited</i>	Nzeyimana Aaron <i>CMA-CGM Rwanda</i>	Josue Penalosa Quispe <i>Bralirwa Ltd.</i>
Tiberiu Potyesz <i>Bitrans Ltd.</i>	Alexey Karchiomov <i>Egorov Puginsky Afanasyev & Partners</i>	Ndaru Abdul <i>Transafrika Container Transport Ltd.</i>	Vincent B. Rutaremara
Gratiela Prepelita <i>Biomedial Regulatory SRL</i>	Ekaterina Karunets <i>Baker & McKenzie - CIS, Limited</i>	Flavia Galisa <i>Equity Juris Chambers</i>	John Bosco Talemwa <i>Rwanda Agriculture and Animal Resources Development Board (RAB)</i>
Adrian Serban <i>Trammo AG</i>	Nickolay Koltsov	Celestine Gashayija	Maro Andy Tola <i>Nile Equatorial Lakes Subsidiary Action Program</i>
Cristina Trelea <i>Trelea si Asociatii SPRL</i>	Anton Lachinov	Henry Gitau <i>Balton Rwanda Ltd.</i>	Chantal Uwamariya <i>CPF Ineza</i>
Luigi Vendrami <i>DHL International Romania</i>	Sergey Lyadov <i>Trans Business</i>	Ange D'Arc Habeshahomungu <i>Gasabo District / Ndera Sector</i>	Esperance Uwimana <i>Independent Consultant</i>
Andrei Vlasin <i>D&B David și Baias Law Firm</i>	Natalia Negrebetskaya <i>Russian Association of Specialized Machinery and Equipment</i>	Leon Hakizamungu <i>Rwanda Agriculture and Animal Resources Board</i>	Solange Uwituze <i>Rwanda Agriculture and Animal Resources Development Board (RAB)</i>
Valentin Voicu <i>Institute for Control of Biological Products and Veterinary Medicines (ICBMV)</i>	Maksim Nikiforov <i>Bryan Cave Leighton Paisner LLP</i>	Innocent Harerimana <i>ENAS</i>	Faustin Zihiga <i>Urwego Opportunity Bank</i>
Alina Vrabie <i>Mușat & Asociații</i>	Larisa Peshekhanova <i>Egorov Puginsky Afanasyev & Partners</i>	Andrew Isingoma <i>Gahiza</i>	
<hr/>			
RUSSIAN FEDERATION			
<i>Federal Customs Service</i>			
<i>Uralkali</i>			
<i>Zoetis</i>			
Iliya Alekseev <i>AgroXimReg</i>	Johannes Rohr <i>International Work Group for Indigenous Affairs</i>	Emmanuel Katabarwa Asaba	
Stefan Bakh <i>Publishing House Customs Terminals</i>	Anna Roshchina	Ronald Kityo	
Anastasia Buryak <i>Bryan Cave Leighton Paisner LLP</i>	Natalya Somova <i>Ceva Santé Animale</i>	Fidèle Masengo	
Evgeniy Chernyshev <i>AgroXimReg</i>	Tatyana Stepina <i>Union of Feed Manufacturers (RUFUM)</i>	Alice Mukayiranga	
<hr/>			
SENEGAL			
<i>Khady Alaofary</i>			
<i>Carapaces Stratégies & Conformités</i>			
Bocar Baldé <i>SCP d'Avocats Léon Patrice & Sylva</i>			
Mamadou Bousso <i>ETLS</i>			
Boubacar Cissé <i>Office des Lacs et Cours d'eau (OLAC)</i>			
Abdoullah Cissé <i>Carapaces Stratégies & Conformités</i>			



Ibrahima Diagne <i>Gainde 2000</i>	Ibrahima Mall <i>Université Cheikh Anta Diop de Dakar (UCAD)</i>	Magatte Wade <i>Université de Thiès, École Nationale Supérieure d'Agriculture (ENSA)</i>	Igor Palamarčuk <i>Agrimatico d.o.o.</i>
Demba Diakhate <i>Institut Sénégalaïs de Recherches Agricoles</i>	Moussa Mbacke <i>Etude Notariale Moussa Mbacke</i>		Kristina Pavlović <i>Karanović & Nikolić Law Firm</i>
Abdoulaye Diallo <i>Amafrique Suarl</i>	Mamadou Lamine Mbaye <i>Université Assane SECK de Ziguinchor</i>		Natasha Radisic <i>Superior Seeds</i>
Boubacar Diallo <i>Carapaces Stratégies & Conformités</i>	Elhadji Oumar Ndiaye <i>Carapaces Stratégies & Conformités</i>		Veljko Smiljanić <i>Karanović & Nikolić Law Firm</i>
Boubacar Celou Diallo	Ousmane Ndiaye <i>Autorité de Régulation des Télécommunications et des Postes (ARTP)</i>	Milena Bečelić-Tomin <i>University of Novi Sad</i>	Nebojša Stanković <i>Stanković and Partners Law Office</i>
Mohammed Samba Diallo <i>Orange Senegal</i>	Marietou Ndiaye Dia <i>Carapaces Stratégies & Conformités</i>	Slavko Bogdanović <i>EU-LINK</i>	Miloš Stojković <i>Živković & Samardžić Law Office</i>
Amadou Diop <i>Gainde 2000</i>	Yamar Samb <i>Carapaces Stratégies & Conformités</i>	Zoran Branković <i>RATEL</i>	Tomislav Šunjka <i>ŠunjkaLaw</i>
Mohamed Diop <i>Carapaces Stratégies & Conformités</i>	Minata Sarr Ndiaye <i>Carapaces Stratégies & Conformités</i>	Milic Bugarcic <i>Wolff & Stein LLP</i>	Vladimir Todorovic <i>Elixir Group</i>
Oumar Diop <i>Coumba Nor Thiam</i>	Léon Patrice Sarr <i>LPS Law</i>	Milos Crevar <i>Maize Research Institute</i>	Goran Todorović <i>Maize Research Institute Zemun Polje</i>
Modou Diouf <i>Union Internationale pour la Conservation de la Nature (UICN)</i>	Saer Sarr <i>Institut Sénégalaïs de Recherches Agricoles</i>	Janja Djurica <i>Elixir Group</i>	Marija Vojvodic <i>Marija Vojvodic Law Office</i>
Amadou Makhtar Fall <i>Airtel Africa</i>	Papa Serigne Seck <i>Primature du Sénégal</i>	Uros Dordevic	Bojan Vučković <i>Karanović & Nikolić Law Firm</i>
Thioro Codou Faye <i>Cours Privé les Lauréats</i>	Adama Sidime <i>Orange Madagascar SA</i>	Branislav Filipovic <i>Filipovic Law Office</i>	Miloš Živković <i>Živković Samardžić Law Firm</i>
Kalidou Gaye <i>Autorité de Régulation des Télécommunications et des Postes (ARTP)</i>	Jamil Silla <i>Orange Senegal</i>	Nemanja Ilić <i>Mihaj, Ilić & Milanović Law Firm</i>	
Djibril Gueye <i>Forum Civil</i>	Mamadou Sow <i>MATFORCE</i>	Milan Joksović <i>Joksović, Stojanović & Partners</i>	SIERRA LEONE
Khaled A. Houda <i>Houda Law Firm</i>	Fatimata Sy <i>Carapaces Stratégies & Conformités</i>	Darko Jovanović <i>Karanović & Nikolić Law Firm</i>	Fenda A. Akiwumi <i>University of South Florida</i>
Adja Ndatté Ka <i>Carapaces Stratégies & Conformités</i>	Yves Tetegan	Slobodan Kremenjak <i>Živković & Samardžić Law Office</i>	Desmond Allen <i>Desphine Company Limited</i>
Samba Ka <i>Ministère de l'Agriculture et de l'Équipement Rural</i>	Rouhiatou Thiam Cissé <i>Carapaces Stratégies & Conformités</i>	Vaso Labović <i>IPM - Association of Manufacturers of Tractors and Agricultural Machinery</i>	Hannah Arema
Amadou Kah <i>Carapaces Stratégies & Conformités</i>	Samella Guignane Tine <i>MEC FADEC</i>	Milana Lalatovic <i>Elixir Group</i>	Mohamed Bahsoon <i>SeedTech</i>
Racine Kane <i>IUCN</i>	Awa Tounkara <i>Orange Senegal</i>	Milan Martinov <i>University of Novi Sad</i>	Abdul Akim Bangura <i>Association of Clearing and Forwarding Agencies Sierra Leone</i>
Doudou Charles Lo <i>Finkone Transit SA</i>	Habibatou Touré <i>Cabinet Habibatou Touré</i>	Katarina Martinovic <i>Superior Seeds</i>	M.H. Barrie <i>Ministry of Agriculture, Forestry and Food Security</i>
Cheikh Loum Pouye <i>Finkone Transit SA</i>		Djordje Mišković <i>KITE d.o.o.</i>	Medgar Brown <i>Balmed Holdings Ltd.</i>
		Alfred Nemet <i>Agrimatico d.o.o.</i>	Sahr Daniel Dugba <i>Realini Bader and Associates Limited</i>
		Dimitrije Nikolić <i>Gebruder Weiss d.o.o.</i>	Abdul Karim Jalloh <i>Amjam Company Ltd.</i>





Amadu Tejan Jalloh <i>Ministry of Agriculture, Forestry and Food Security</i>	Basita Michael <i>Michael & Michael</i>	Peter Viglasky <i>Hamala Kluch Viglaský</i>	Michael Kidd <i>University of KwaZulu-Natal</i>
Chernor M. Jalloh <i>T-JAL Enterprises</i>	Chernor Musa Kabia <i>Sakata Seeds</i>		Leah Maina <i>Independent Communications Authority of South Africa</i>
Gudush Jalloh <i>The Sierra Leone Animal Welfare Society (SLAWS)</i>	Ahmed Nanoh <i>Sierra Leone Chamber of Agriculture Development (SLeCAD)</i>	AFGACTS	Johan Marais <i>Saaff</i>
Mohamed Jalloh <i>Akim and Satu C&F Agency</i>	Abdul Bakarr Salim <i>Environment Protection Agency</i>	BHBW (Pty) Ltd.	Amanda Mkhonza <i>University of Cape Town</i>
Ahmed Yassin Jallo-Jamboria	Sorie Sulaiman Sesay	Dentons	Phil Molefe <i>Independent Communications Authority of South Africa</i>
Raymonda Johnson <i>Ministry of Agriculture, Forestry and Food Security</i>	Archibald Shodeke <i>Salone Microfinance Trust (SMT)</i>	Department of Transport	Mohlakola Monyaki <i>Department of Labour</i>
David C. Kaitibie <i>Sierra Leone Road Transport Authority</i>	Adel Suliman <i>Afcom</i>	John Deere (Pty) Ltd.	Vusumuzi M. Moyo <i>Global Vehicle Testing</i>
Abdul Rahman Kamara <i>Ministry of Agriculture, Forestry and Food Security</i>	John E. D. Terry <i>Ministry of Agriculture, Forestry and Food Security</i>	Gabor Barla-Szabo <i>United Seeds CC</i>	Hulisani Mukwevho <i>Munich Reinsurance Company of Africa Ltd.</i>
Sorie M. Kamara <i>Ministry of Agriculture, Forestry and Food Security</i>	Momoh Yusif Turay <i>Sierra Leone Seed Certification Agency (SLeSCA)</i>	Ingrid Boshoff <i>Microbial Biological Fertilizers International (MBFI)</i>	Oliver Naidoo <i>JC Auditors</i>
Michael Imran Kanu <i>Cole Kanu & Partners</i>		Theo Boshoff <i>Agbiz</i>	Siyanda Nkamisa <i>Independent Communications Authority of South Africa</i>
Henry Kargbo <i>Ministry of Agriculture, Forestry and Food Security</i>	Milan Malena <i>Bayer Animal Health</i>	Liesl Breytenbach <i>Animal Feed Manufacturers Association (AFMA)</i>	Francois Potgieter <i>Aquasol Nutri (Pty) Ltd.</i>
George Kawaley <i>Babadorie Clearing & Forwarding Co.</i>	Peter Beňo <i>Advokátska kancelária SEMANČÍN & PARTNERS s.r.o.</i>	Hannelie Cilliers <i>Ceva Santé Animale</i>	Phillip Ramalata <i>Independent Communications Authority of South Africa</i>
Christian Kocik <i>Kanu Equipment Ltd.</i>	Ing. Peter Hozlár <i>Research Institute of Plant Production</i>	Tracy Cohen <i>Cliffe Dekker Hofmeyr</i>	Joan Sadie <i>Department of Agriculture, Forestry & Fisheries</i>
Patrick Syl Kongo <i>National Revenue Authority</i>	Vladimir Ivancov <i>White & Case</i>	Elna de Bruyn <i>Department of Agriculture, Forestry & Fisheries</i>	Ernest Schay <i>Bayer Animal Health</i>
Abdul Kuyateh <i>National Telecommunications Commission</i>	Katarína Liebscherová <i>Eversheds Sutherland Dvořák Hager, advokátska kancelária, s.r.o.</i>	Wayne Deganan <i>PBD Boerediense (Pty) Ltd.</i>	Peggy Schoeman <i>Warburton Attorneys</i>
Paul Lahai <i>Sierra Leone Agricultural Research Institute</i>	Adriána Matejčíková <i>Advokátska kancelária SEMANČÍN & PARTNERS s.r.o.</i>	Jutta Drewes <i>Munich Reinsurance Company of Africa Ltd.</i>	Arvind Sinha <i>RCS Pvt. Ltd. Business Advisors Group</i>
Ibrahim M.O. Shamie <i>Ministry of Agriculture, Forestry and Food Security</i>	Alex Medek <i>White & Case</i>	Harry Dube <i>Department of Agriculture, Forestry, & Fisheries</i>	Rajat Ratan Sinha <i>RCS Pvt. Ltd. Business Advisors Group</i>
Massaquoi Maxwell <i>National Telecommunications Commission</i>	Tomas Melisek <i>Kinstellar</i>	Loretta Feris <i>University of Cape Town</i>	Bomkazi Somdyala <i>Independent Communications Authority of South Africa</i>
Corneleius Max-Williams <i>Destiny Shipping Agencies Ltd.</i>	Ing. Monika Piatriková <i>The Central Control and Testing Institute in Agriculture (ÚKSÚP)</i>	Tigist Gebrehiwot <i>University of South Africa</i>	Funzani Sundani <i>Munich Reinsurance Company of Africa Ltd.</i>
Lamin Mboaba <i>Ministry of Agriculture, Forestry and Food Security</i>	Jozef Semancin <i>Semancin & Partners</i>	Eddie Goldschagg <i>South African National Seed Organization</i>	Romeo Tsusi <i>Herold Gie</i>
	Annamária Tóthová <i>Eversheds Sutherland Dvořák Hager, advokátska kancelária, s.r.o.</i>	William Harding <i>DH Environmental Consulting</i>	James Tubb <i>Barloworld Equipment</i>
		Cynthia Hlongwane <i>Transglobal</i>	
		Fikile Hlongwe <i>Independent Communications Authority of South Africa</i>	
		Obeid Katumba <i>Warburton Attorneys</i>	

SOUTH AFRICA

AFGACTS

BHBW (Pty) Ltd.

Dentons

Department of Transport

John Deere (Pty) Ltd.

Gabor Barla-Szabo
United Seeds CCIngrid Boshoff
*Microbial Biological Fertilizers International (MBFI)*Theo Boshoff
*Agbiz*Liesl Breytenbach
*Animal Feed Manufacturers Association (AFMA)*Hannelie Cilliers
*Ceva Santé Animale*Tracy Cohen
*Cliffe Dekker Hofmeyr*Elna de Bruyn
*Department of Agriculture, Forestry & Fisheries*Wayne Deganan
*PBD Boerediense (Pty) Ltd.*Jutta Drewes
*Munich Reinsurance Company of Africa Ltd.*Harry Dube
*Department of Agriculture, Forestry, & Fisheries*Loretta Feris
*University of Cape Town*Tigist Gebrehiwot
*University of South Africa*Eddie Goldschagg
*South African National Seed Organization*William Harding
*DH Environmental Consulting*Cynthia Hlongwane
*Transglobal*Fikile Hlongwe
*Independent Communications Authority of South Africa*Obeid Katumba
Warburton Attorneys

Marga Van Der Merwe <i>Warburton Attorneys</i>	Rafael de Sádaba	Teresa Reíllo Sáez <i>Cobo Serrano Abogados</i>	Dunu Arachchige Nimal Dharmasena <i>University of Peradeniya</i>
Catherine Warburton <i>Warburton Attorneys</i>	Jorge de Saja <i>Confederación Española de Fabricantes de Alimentos Compuestos para Animales (CESFAC)</i>	Millan Requena-Casanova <i>Universidad de Alicante</i>	Peiris Dunya <i>D.L. & F. De Saram</i>
Millicent Zondi <i>VIRBAC</i>	Antonio Embid Irujo <i>Universidad de Zaragoza</i>	Kim Riddell <i>Andalus Global Produce SL</i>	Diren R. Hallock <i>DRH Logistics Lanka (Pvt.) Ltd.</i>
SPAIN			
<i>EW Nutrition</i>	Antonio Fanlo Loras <i>Universidad de La Rioja</i>	Elicia Rodríguez Puñal <i>CuatreCasas Gonçalves Pereira</i>	Hettiarachchi Hemaratne <i>The Colombo Tea Traders' Association</i>
<i>Grupo AN</i>	Alfredo Fernández Rancaño <i>J&A Garrigues SLP</i>	Pilar Royo Oller <i>VIRBAC</i>	Anura Herath
<i>Grupo Fertiberia</i>	Juan Gaitán <i>Gaitán Abogados</i>	Ignacio Ruiz <i>Asociación Nacional de Maquinaria Agropecuaria, Forestal y de Espacios Verdes (ANSEMAT)</i>	David Jacob <i>Fits Express Pvt. Ltd.</i>
<i>Yara</i>	Miguel García Carretero	Ricardo Ruiz Gómez <i>CuatreCasas Gonçalves Pereira</i>	Ganasiri Jayaratne
<i>Zoetis</i>	Emilio Gil Moya <i>Universitat Politècnica de Catalunya</i>	Alicia Sánchez <i>Ministerio de Industria, Comercio y Turismo</i>	Niral Kadawatharatchie <i>Freight Links International (Pte.) Ltd.</i>
María Jesús Acosta Pina <i>Serrano y Acosta Abogados</i>	Matías González <i>Vodafone España SAU</i>	Alvaro González-Escalada <i>Logesta</i>	Amila Karunaratne <i>Freight Line International (Pvt.) Ltd.</i>
Sonia Almendros	Marta Jiménez von Carstenn-Licterfelde <i>DeSalvador Real Estate Lawyers</i>	Marta Santamaría Mosquera <i>Ministerio de Fomento</i>	Chathuranga Udaya Kumara <i>Hayleys Agriculture Holdings Limited</i>
Santiago Manuel Álvarez Carreño <i>Universidad de Murcia, Departamento de Derecho Administrativo, Facultad de Derecho</i>	Ignacio Machetti <i>Agrupación Española de Entidades Aseguradoras de los Seguros Agrarios Combinados (Agroseguro) SA</i>	Sergio Sergio Álvarez Camiña <i>Dirección General de Seguros y Fondos de Pensiones</i>	Navindra Liyanaarachchi <i>SANASA Federation Ltd.</i>
Narciso Arcas-Lario <i>Universidad Politécnica de Cartagena</i>	Miguel Angel Martín <i>Ministerio de Agricultura, Pesca y Alimentación</i>	Javier Serrano García <i>Serrano y Acosta Abogados</i>	Herath Manthrithilake <i>International Water Management Institute (IWMI)</i>
Liana Sandra Ardiles López <i>Ministerio de Agricultura, Alimentación y Medio Ambiente (MAGRAMA)</i>	Noelia Miranda Santos <i>Colegio Oficial de Ingenieros de Telecomunicación (COIT)</i>	Francisco José Torres Pérez <i>Universidade de Vigo</i>	Ashwini Natesan <i>Julius & Creasy</i>
Serena Argente Escartín <i>Raposo Bernardo & Associados</i>	Pelayo de Salvador Morell <i>DeSalvador Real Estate Lawyers</i>	Axiata Group Berhad	Sanjaya Nissanka <i>Brown & Company PLC</i>
Adela M. Aura Larios de Medrano <i>Universidad CEU Cardenal Herrera</i>	José Antonio Moreno Fernández <i>Cobo Serrano Abogados</i>	Rohan Abhayaratne <i>Provimi Vet Lanka Pvt. Ltd.</i>	Amanda Perera <i>F.J. & G. De Saram</i>
Rafael Antonio Bonet Pertusa <i>H.M. Clause Ibérica SAU</i>	Juan Muguerza Odriozola <i>J&A Garrigues SLP</i>	Mohamed Anverally <i>Anverally & Sons (Pvt.) Ltd.</i>	Thilina Premjayanth <i>Sri Lanka Council for Agricultural Research Policy (CARP)</i>
Carlos Bonilla Represa	Francisco Pablo <i>DHL Express</i>	Chinthaka Balasooriya <i>Farm Mechanization Research Center</i>	Chathura Priyadarshana
Isabel Caro-Patón <i>Menéndez & Asociados Abogados</i>	Luis Pérez de Ayala <i>CuatreCasas Gonçalves Pereira</i>	Buwaneka Basnayake <i>F.J. & G. De Saram</i>	Nimal Priyankarage <i>Department of Animal Production and Health</i>
Francisco Cervilla Sabio <i>Hortiquality SL</i>	Jose Antonio Pérez Sánchez <i>Comunidad de Regantes Las Cuatro Vegas de Almería</i>	Dilmini Cooray <i>D.L. & F. De Saram</i>	Saman Buddhika Rajapaksha <i>AgStar Fertilizer PLC</i>
Diego Cobo Serrano <i>Cobo Serrano Abogados</i>	Nelson Raposo Bernardo <i>Raposo Bernardo & Associados</i>	Igram Cuttilan <i>Aitken Spence Shipping Ltd.</i>	Dhammadika Ranasinghe <i>Chambers Colombo</i>
Alberto Cortegoso Vaamonde <i>CuatreCasas Gonçalves Pereira</i>		Savantha De Saram <i>D.L. & F. De Saram</i>	Mohamed Rizni <i>Speed International Freight Systems Ltd.</i>
Olivier Crassous <i>Semillas Guadalquivir</i>		Sanjiv De Silva <i>International Water Management Institute (IWMI)</i>	
Almudena de la Cruz			





Siri A. Malai <i>Malai Freight Forwarders Ltd.</i>	Jonathan Khaw <i>Tilleke & Gibbins</i>	Sena Kwaku Adessou <i>African Institute for Economic and Social Development (INADES Formation)</i>	Kounama Kpemou <i>Centrale d'Approvisionnement et de Gestion des Intrants Agricoles (CAGIA)</i>
Alphonse Mbuya <i>Moshi Co-operative University</i>	Amnart Khongsakda <i>ZICO Law (Thailand) Ltd.</i>	Ahoahome Agbemelo Tsomafo <i>JAT Consulting SARL</i>	Djoliba Dekawunga Kutolbena <i>Ordre des Avocats du Barreau</i>
Raynold Mfungahema <i>Tanzania Communications Regulatory Authority (TCRA)</i>	Dares Kittiyopas <i>Thai Society of Agricultural Engineering</i>	Gbagbodé édouard Akakpo-Lado <i>CRIT/Lado concept</i>	Bantéb Lare Koussague <i>Société de Patrimoine Eau et Assainissement en Milieu Urbain et Semi-urbain</i>
Jane Munga <i>Zoetis</i>	Tanat Kowatanawinta <i>Larppol Poontawee International Co. Ltd.</i>	Thierry Akpagana <i>SCP Dogbeauvou et Associes</i>	Céline Lecoeuche
Florence Mununa <i>Tropical Pesticides Research Institute</i>	Plaichat Luangthep <i>ZICO Law (Thailand) Ltd.</i>	Téko Seyram Amenyinu <i>SCP Table & Associes</i>	Abdou Nassaire Samarou <i>Samhollandia</i>
Twalib Njohole <i>Ministry of Agriculture, Food Security and Cooperatives</i>	Panwadi Maniwat <i>ZICO Law (Thailand) Ltd.</i>	Coffi Alexis Aquereburu <i>Aquereburu & Partners</i>	Laname Nayante <i>Calafi Sarl</i>
Shamiza Ratansi <i>ATZ Law Chambers</i>	Jack Metzelaar <i>HM Clause</i>	Jules Mota Atara <i>Gotis Consulting</i>	Julien Oyessola <i>Maersk Togo</i>
Jackline Silaa <i>ATZ Law Chambers</i>	Thanet Pingsuthiwong <i>Thai Fertilizer and Agricultural Supplies Association</i>	Mawuli Aziadekey <i>Universite de Lomé</i>	Kao Palanga <i>Martial Akakpo et Associes</i>
Thomas Sipemba <i>East African Law Chambers</i>	Kiratika Poonsombudlert <i>Chandler MHM Ltd.</i>	Emmanuel Aziatroga <i>GMC Groupe Manu et Compagnie</i>	Lazare Sossoukpe <i>SCP Dogbeauvou et Associes</i>
Charles Sokile <i>University of Dar es Salaam</i>	Prang Prakobvaitayakij <i>Chandler MHM Ltd.</i>	Nèmè Bali <i>Ministère de l'Agriculture, de l'Élevage et de l'Hydraulique</i>	Atsou Soumsa <i>Consultant</i>

THAILAND

<i>Bank of Thailand</i>
<i>Bayer Animal Health</i>
<i>Customs Standard Procedure and Valuation Division</i>
<i>National Bureau of Agriculture Commodity and Food Standards</i>
<i>TVL Global Logistics</i>
Visitsak Arunsuratpakdee <i>Rajah & Tann Asia</i>
Sorachon Boonsong <i>Baker & McKenzie</i>
Threenuch Bunruangthaworn <i>ZICO Law (Thailand) Ltd.</i>
Pimol Buranachon <i>Thai Fertilizer and Agricultural Supplies Association</i>
Wongvilai Chaithiamsak <i>Yara</i>

TOGO

<i>Autorité de Réglementation des Secteurs de Postes et Télécommunications (ARPT)</i>
<i>Ceva Santé Animale</i>

Kounama Kpemou
Centrale d'Approvisionnement et de Gestion des Intrants Agricoles (CAGIA)

Djoliba Dekawunga Kutolbena
Ordre des Avocats du Barreau

Bantéb Lare Koussague
Société de Patrimoine Eau et Assainissement en Milieu Urbain et Semi-urbain

Céline Lecoeuche

Abdou Nassaire Samarou
Samhollandia

Laname Nayante
Calafi Sarl

Julien Oyessola
Maersk Togo

Kao Palanga
Martial Akakpo et Associes

Lazare Sossoukpe
SCP Dogbeauvou et Associes

Atsou Soumsa
Consultant

Herman Madadozi Tezike
Centrale d'Approvisionnement et de Gestion des Intrants Agricoles (CAGIA)

Raouf Toure
CNSS Togo

Amenyo Yawovi Yao
Coordination Togolaise des Organisations Paysannes et de Producteurs Agricoles

TUNISIA

Mohamed Abbes
Iman Allaghi <i>Agronomic Land</i>
Carbi Amdouni <i>COSEM</i>
Leith Ben Becher <i>Syndicat des Agriculteurs de Tunisie</i>
Imen Ben Chaabane <i>Institut Supérieur des Etudes Technologiques en Communications de Tunis (ISET'COM)</i>
Yousser Ben Hadj Brahim <i>Agrodis</i>
Chiheb Ben Hamouda <i>Parenin SA</i>



Mohamed Lahbib Ben Jamâa <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Mouldi Ghannem <i>Fertistar</i>	Amor Mtimet <i>Consultant</i>	Vahit Bicak <i>Bicak Law Office</i>
Hamadi Ben Salah <i>Institut National de la Recherche Agronomique de Tunisie</i>	Hassen Ghidhaoui <i>Fertiplant</i>	Ala Ben Nacef <i>Medasco</i>	Ayşe Bıçak
Sabri Ben Slama <i>Cabinet d'Avocats Ben Slama</i>	Naoufel Haddad <i>Tunisie Coop</i>	Rached Nasraoui <i>Carthage Trade</i>	Deniz Bulut <i>Vesta Gümüşhane Müşavirliği Ltd. Şti.</i>
Aslan Berjeb <i>Berjeblawyers</i>	Yosr Hafhouf <i>Zaanouni Law Firm & Associates</i>	Khmaïs Rhimi <i>Chambre Syndicale Nationale des Importateurs et Producteurs des engrains Chimiques</i>	Ersin Yaşar Çakmak <i>Union of Chambers and Commodity Exchanges of Turkey (TOBB)</i>
Anis Bettoumi <i>Parenin SA</i>	Akram Hatem <i>Bayer Animal Health</i>	Soumaya Sellami <i>Zaanouni Law Firm & Associates</i>	Hamdi Çiftçiler <i>May-Agro Seed Co.</i>
Omar Boukhdir <i>ITO Logistic Tunisie</i>	Fethia Hellali <i>Ministère de l'Agriculture</i>	Med Amine Tliche <i>African Manager</i>	Safa Mustafa Durakoğlu <i>Çakmak Law Firm</i>
Mona Bouzaien <i>TASMID</i>	Ramzi Hmani <i>Ooredoo Tunisia</i>	Khaled Zaafraane <i>A.K.Z</i>	Turgut Ekinci <i>Zimas Ziraat Makinaları Sanayi ve Ticaret AS</i>
Mohsen Bouzid <i>SMTT</i>	Hajer Jaibi <i>Zaanouni Law Firm & Associates</i>	Mohamed Zaanouni <i>Zaanouni Law Firm & Associates</i>	Begüm Solak Ekler <i>Nazali</i>
Omar Brahmi	Imed Jaouadi <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Walid Zikikout <i>Medilink Freight and Logistics Services</i>	Emre Eldener <i>Kita Logistics</i>
Idris Chenini <i>Service des Mines de Lafayette</i>	Bessem Jebbari <i>SMTT</i>	TURKEY	Sercan Erdem <i>TOBBUND Lojistik Yatırım AŞ</i>
Fatma Chiha <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Badis Jedidi <i>Meziou Knani & Khelif Société d'Avocats</i>	Eczacıbaşı Ekom Dış Ticaret A.Ş.	Turgut Erkeskin <i>Genel Transport</i>
Leith Chouikh <i>Agronomic Land</i>	Adel Jemmazi <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Erdem & Erdem Law Office	Mustafa Soner Eroğlu <i>Ventur Customs Brokers LLC</i>
Abdelmalek Dahmani <i>Dahmani Transit International</i>	Ahmed Kallel <i>Kammoun & Kallel</i>	Ministry of Customs and Trade	Selin Erten <i>Çakmak Law Firm</i>
Hamadi Dekhil <i>2D&D</i>	Mohamed Kharrat <i>Institut National de la Recherche Agronomique de Tunisie</i>	Erol Acun <i>Özak Tekstil</i>	Özgür Barış Eryüz <i>John Deere Turkey</i>
Ghanmi Dhabbi <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Bechir Khelifi	Cansin Akinci <i>Pekin & Pekin</i>	Gökhan Fikirli <i>Capital Gümüşhane Müşavirliği Ltd. Şti</i>
Walid I. Dziri <i>All Seas Shipping Agency</i>	Samir Kolsi <i>University of Tunis</i>	Duygu Alkan <i>Mavioglu & Alkan Law Office (ADMD)</i>	Veli Girgin <i>KWS</i>
Sofiene Enneifer <i>SOSEC</i>	Jalel Laouini <i>SOSEM</i>	İlay Aykanat <i>Ministry of Customs and Trade</i>	Serkan Gul <i>Herguner Bilgen Ozeke Attorney Partnership</i>
Didier Férida <i>Ceva Santé Animale</i>	Leila Miladi <i>Agronomic Land</i>	Menduh Bagci <i>Gartner KG Transport</i>	Kenan Güler <i>Güler Dinamik Gümüşhane Müşavirliği AŞ</i>
Amine Ferchiou <i>Ferchiou & Associés</i>	Boumaïza Mohamed <i>Khirkom</i>	Erdem Basgul <i>Çakmak Law Firm</i>	Selin Gümüş Cetinkaya <i>MSD Animal Health</i>
Noureddine Ferchiou <i>Ferchiou & Associés</i>	Hedi Mosbahi <i>Cotugrain</i>	Yunus Bayram <i>Ministry of Food, Agriculture and Livestock</i>	Omer Gümüşel <i>Pekin & Bayar Law Firm</i>
Riadh Gabsi <i>Chambre Nationale Syndicale du Commerce des Semences et Plants (UTICA)</i>	Chaabane Moussa <i>Ministère de l'Agriculture des Ressources Hydrauliques et de la Pêche</i>	Harun Bayramoglu <i>ITKIB İstanbul Textile and Apparel Exporters' Association</i>	Cihan Merih Gürel
		Aysuda Meryem Baysal <i>Deloitte</i>	Can Guvenc <i>Iskenderun Fertilizer Industry Inc.</i>
		Eda Beltan <i>Pekin & Pekin</i>	Rıdvan Haliloglu <i>Mundoimex Customs Brokerage</i>



Iskender Iscener	Murat Sahin <i>Ministry of Food, Agriculture and Livestock</i>	Cüneyt Yetgin <i>Güler Dinamik Gümrük Müşavirliği AŞ</i>	Katabazi Gerard <i>Volcano Coffee Limited</i>
Aysegul Iyidogan <i>Limagrain Tohum Islah ve Üretim San. Tic. AŞ</i>	Cenk Saracoglu <i>Limagrain Tohum Islah ve Üretim San. Tic. AŞ</i>	Hakan Yildiran <i>John Deere Turkey</i>	Andrew Gita <i>IDH Sustainable Trade Initiative Uganda</i>
Alpdogan Kahraman <i>Association of International Freight Forwarders (UND)</i>	Nazli Selek <i>NSN Law Firm</i>	Dursun Yildiz <i>Hydropolitics Association of Turkey</i>	Steve Hodges <i>Uganda Agribusiness Alliance</i>
Taner Karakulah <i>Ministry of Transportation, Maritime Affairs and Communications</i>	Kazim Senturk <i>Voestalpine High Performance Metal A.S.</i>	Kamil Yilmaz <i>Türktob</i>	Shellomith Irungu <i>MMAKS Advocates</i>
Erdem Karauz <i>May-Agro Seed Co.</i>	Nuri Erdem Sirin <i>Troya Seeds</i>	Yusuf Yormazoğlu <i>May-Agro Seed Co.</i>	Marion Kabandize <i>Ankole Coffee Processors Ltd.</i>
Kardelen Lüle <i>Mavioglu & Alkan Law Office (ADMD)</i>	Selim Sogutlu <i>Dogus Holding</i>	UGANDA	
Orhan Yavuz Mavioglu <i>Mavioglu & Alkan Law Office (ADMD)</i>	Can Sozer <i>Esin Attorney Partnership</i>	<i>Export Trading Group</i>	
Ersin Nazali <i>Nazali</i>	Vakur Sümer <i>Eurasian Research Institute</i>	<i>One Acre Fund</i>	
Ahmet Arkin Obdan <i>Obdan Sistem Gumruk Musavirligi Ltd.</i>	Baris Talay <i>EvoLog, Evolution Logistics</i>	<i>Uganda Revenue Authority</i>	
Elif Okumuş Öksüz <i>Turkish Water Institute</i>	Dilara Tamtürk <i>Mavioglu & Alkan Law Office (ADMD)</i>	Pamela Abwoyo	
Cemal Olgun Taner Öncel <i>Zoetis</i>	Berk Tanrıdağ <i>Mavioglu & Alkan Law Office (ADMD)</i>	Jimmy Onesmus Adiga <i>BRAC Uganda</i>	
Cem Oner <i>John Deere Turkey</i>	Gokbige Tanyildiz <i>Mavioglu & Alkan Law Office (ADMD)</i>	Natasha Ahimbisibwe <i>CR Amanya Advocates & Solicitors</i>	
Volkan Oray <i>Güler Dinamik Gümrük Müşavirliği AŞ</i>	Nil Tunaşar <i>Transient Uluslararası Taşımacılık ve Tic. A.Ş.</i>	Noel Aineplan <i>National Drug Authority (NDA)</i>	
Zafer Ozbalaban <i>Basak Traktor</i>	Yasar Turk <i>John Deere Turkey</i>	Simon Alibu <i>National Agricultural Research Organisation (NARO)</i>	
Serkan Özbudak <i>Feed Manufacturers Association of Turkey</i>	Bahar Ucuncu <i>NSN Law Firm</i>	Claire Amanya Rukundo <i>CR Amanya Advocates & Solicitors</i>	
Osman Özdemir <i>Ministry of Forestry and Water Affairs</i>	Mehmet Uğurlu <i>Ministry of Customs and Trade</i>	Ivan Asiimwe <i>Uganda Cooperative Alliance</i>	
Ufuk Özongun <i>Olam International</i>	Merih Unal <i>Transient Uluslararası Taşımacılık ve Tic. A.Ş.</i>	Joachim Owen Bagonza <i>Heboco Consult Limited</i>	
Turhan Ozturk Ozturk <i>BT Customs</i>	Deniz Uras <i>Çakmak Law Firm</i>	Justine Bagyenda <i>Bank of Uganda</i>	
Asli Pabuçuoğlu <i>Pekin & Pekin</i>	Gülin Uzunlar <i>Özak Tekstil</i>	Kasaija Banage <i>Seed Co.</i>	
Ferhat Pekin <i>Pekin & Bayar Law Firm</i>	Çağdaş Vardar <i>Pekin & Pekin</i>	Lugemwa Benedict <i>Kwewayo (U) Vet Pharmacy Ltd.</i>	
Dilsad Saglam <i>Esin Attorney Partnership</i>	Petek Varol <i>Mavioglu & Alkan Law Office (ADMD)</i>	James Byaruhanga <i>Roke Telkom</i>	
		Didymus Byenky <i>Global 6C Star Logistics Ltd.</i>	
		Massimo Castiello <i>Human Dynamics</i>	
		Roy Comins <i>MASCOR</i>	



Horace Nuwasasira <i>CR Amany Advocates & Solicitors</i>	Gleb Bialyi <i>Egorov Puginsky Afanasiev & Partners</i>	Petro Lakhay <i>Ukrainian Agribusiness Club (UCAB)</i>	Natalia Zaika <i>Aleksey Pukha and Partners</i>
Siraj Nyende <i>Ministry of Agriculture, Animal Industry and Fisheries</i>	Oleg Boichuk <i>Egorov Puginsky Afanasiev & Partners</i>	Oleksandr Lavrov <i>Monsanto</i>	
Alex Otut <i>Ministry of Agriculture, Animal Industry and Fisheries</i>	Alexander Borodkin <i>Vasil Kisil & Partners</i>	Igor Lozenko <i>Sayenko Kharenko</i>	
Mwesigye Roderick <i>Master International Ltd.</i>	Ivan Bozhko <i>Ilyashev & Partners</i>	Ilias Magomedov <i>Ilyashev & Partners</i>	
Businge Rwabwogo <i>Mukwano Group</i>	Andrey Bychkov <i>Ilyashev & Partners</i>	Dmytro Makarenko <i>State Service for Geodesy, Cartography and Cadaster</i>	
Edward Martin Rwarinda <i>Ministry of Water and Environment</i>	Nazar Chernyavsky <i>Sayenko Kharenko</i>	Victoria Melnychenko <i>Integrites Ukraine</i>	
Solomon Seruwo <i>Bukoola Chemical Industries Ltd.</i>	Andriy Demydenko <i>Global Water Partnership - Ukraine</i>	Larysa Melnychuk <i>Zammler Ukraine LLC</i>	
Bernard Sibwomu	Anna Derevyanko <i>European Business Association</i>	Oksana Natsyna-Marchenko <i>Notary Office of Kiev</i>	
Gorrette Ssemakula <i>National Agricultural Research Organisation (NARO)</i>	Roman Drobotskiy <i>Asters</i>	Oleg Nesterov <i>Ukrainian Agribusiness Club (UCAB)</i>	
Charles Lwanga Ssemanda <i>Bestin Limited</i>	Oksana Drozach	Vira Pankiv <i>Sayenko Kharenko</i>	
Ucakacon Stuart <i>Kwewayo (U) Vet Pharmacy Ltd.</i>	Vitaliy Fedchuk <i>Monsanto</i>	Mykola Pugachev <i>Institute of Agrarian Economics</i>	
Ephrance Tumuboine <i>Ministry of Agriculture, Animal Industry and Fisheries</i>	Oleksandr Fedorov <i>KWS</i>	Aleksey Pukha <i>Aleksey Pukha and Partners</i>	
Narcis Tumushabe <i>FICA Seeds Ltd.</i>	Anna Gadiatska <i>Aleksey Pukha and Partners</i>	Dmytro Sergeiev <i>Engarde Attorneys-at-Law</i>	
Stephen Tumwesigye <i>Taslafl Advocates & Consultants</i>	Volodymyr Gopchak <i>KWS</i>	Kateryna Shchytnyk (Kucher) <i>Monsanto</i>	
Michael Turiyo <i>National Logistics Co. Ltd.</i>	Valentyn Gvozdiy <i>GOLAW</i>	Anton Sintsov <i>Egorov Puginsky Afanasiev & Partners</i>	
Ambrose Turyahabwe <i>DHL Global Forwarding (U) Ltd.</i>	Oleksandr Kolotilin <i>State Geokadastre</i>	Konstatin Smolov <i>White Collars AA</i>	
UKRAINE			
<i>State Service of Ukraine on Food Safety and Consumer Protection</i>	Alyona Korotych <i>Aleksey Pukha and Partners</i>	Iryna Stelmakh <i>Zammler Ukraine LLC</i>	
Zoetis	Yuriy Kotliarov <i>Asters</i>	Viktoriya Taran <i>KWS</i>	
Igor Agarkov <i>Rokada Group</i>	Alexander Kravchenko <i>Bayer Animal Health</i>	Stanislav Tolochniy <i>Zammler Ukraine LLC</i>	
Mykola Aleksandrov <i>Egorov Puginsky Afanasiev & Partners</i>	Volodymyr Kravchuk <i>Ukrainian Research Institute for Testing of Agricultural Machinery</i>	Oleg Tsvyah <i>State Geokadastre</i>	
Denys Bashlyk <i>State Service for Geodesy, Cartography and Cadaster</i>	Raisa Kudina <i>National Bank of Ukraine</i>	Sergiy Tsyba <i>Asters</i>	
	Tatyana Kuzmenko <i>AiG Law Firm</i>	Vasyliy Volodin <i>National Commission for the State Regulation of Communications and Informatization</i>	
UNITED KINGDOM			
		Michael Barlow <i>Burges Salmon LLP</i>	
		Matthew Germain <i>Osborne Clarke LLP</i>	
		William Howarth <i>Kent Law School</i>	
		Noel Joseph <i>Veterinary Medicines Directorate</i>	
		Penny Maplestorne <i>British Society of Plant Breeders Ltd.</i>	
		Lea Reynolds <i>Veterinary Medicines Directorate</i>	
		Paul Sheridan <i>CMS Cameron McKenna Nabarro Olswang LLP</i>	
		Kamen Stoilov <i>CMS Cameron McKenna Nabarro Olswang LLP</i>	
		Jeremy Widdowson <i>British Society of Plant Breeders Ltd.</i>	
UNITED STATES			
		<i>California Department of Food and Agriculture (CDFA)</i>	
		<i>Cargill, Inc.</i>	
		<i>World Council of Credit Unions</i>	
		Ernest L. Allen <i>U.S. Department of Agriculture</i>	
		Peter Bean <i>Squire Patton Boggs LLP</i>	
		Rebecca Bratspies <i>City University of New York</i>	
		Stan Cook <i>The Association of American Feed Control Officials</i>	
		Brittany Cururu <i>White & Case LLP</i>	
		Thomas Dougherty <i>Fletcher Heald & Hildreth</i>	
		Motsa Dubois	
		Michael Dyll <i>Texas International Freight</i>	



Zhengyuan Fan <i>White & Case LLP</i>	Rachel Treichler <i>Law Office of Rachel Treichler</i>	Gustavo Di Genio <i>Guyer & Regules</i>	Miguel Mosco <i>Consultant</i>
Roger Hoy <i>University of Nebraska - Nebraska Tractor Testing Laboratory</i>	Frederick Turner	Soledad Echevarría <i>Guyer & Regules</i>	Maria Lizabeth Nogueira Figarola <i>Laboratorios Microsules Uruguay SA</i>
Joshua Kochath <i>Comage Container Lines</i>	Rodrigo Vilaseca <i>Monsanto</i>	Juan Ignacio Erro Ruiz <i>Corporacion de Maquinaria SA</i>	Humberto Perrone
Jerry Lee <i>White & Case LLP</i>	Jason Wiener <i>Jason Weiner P.C.</i>	Natalia Fernandez Eraso <i>Monsanto Argentina</i>	Jorge Pontet <i>Agro Lavalle SA</i>
Tony Lee <i>Fletcher Heald & Hildreth</i>	Leah Wilkinson <i>American Feed Industry Association</i>	Jorge Fernández Reyes	María Laura Rabuñade <i>Ministerio de Ganadería, Agricultura y Pesca</i>
Jim MacLellan <i>The Port of Los Angeles</i>	Qi Zhang	José Ferrara <i>ANP (Administración Nacional de Puertos)</i>	Florencia Real <i>Boehringer Ingelheim Animal Health</i>
Carol Mattey <i>Mattey Consulting LLC</i>	URUGUAY		
Michael Mazourek <i>Plant Breeding and Genetics Section Cornell University</i>	Anabela Aldaz <i>Guyer & Regules</i>	Flavia Ferreira de Castro <i>Programa Feed & Food Seguro Latinoamérica</i>	Diego Risso <i>URUPOV-Asociación Civil Uruguaya para la Protección de los Obtentores Vegetales</i>
Francisco Montero <i>Fletcher Heald & Hildreth</i>	Diego Baldomir <i>Guyer & Regules</i>	Hernán de la Fuente <i>Escribanía de la Fuente</i>	Graciela Salaberry <i>Red Uruguaya de ONGs Ambientalistas</i>
Jan Morawski <i>NY Department of Agriculture and Markets</i>	Gustavo Blanco <i>Ministerio de Agricultura, Ganadería y Pesca (MGAP)</i>	Juan Angel de la Fuente <i>Escribanía de la Fuente</i>	Valeria Sasso <i>Agronegocios del Plata</i>
Meegan Moriarty <i>U.S. Department of Agriculture</i>	Federico Boschi <i>INASE - Instituto Nacional de Semillas</i>	Karina Gasparini <i>Ministerio de Ganadería, Agricultura y Pesca</i>	Andres Supervielle Bonasso <i>Supervielle - de Cores</i>
Jonathan Jacob Nadler <i>Squire Patton Boggs LLP</i>	Pablo Roberto Bringas Mertens <i>Laboratorios Microsules Uruguay SA</i>	Martín Gastañaga <i>Ministerio de Ganadería, Agricultura y Pesca</i>	Federico Susena <i>Guyer & Regules</i>
David Newberg <i>Collier, Halpern, Newberg, Nolletti, LLP</i>	Luis Burastero Servetto <i>Luis Burastero & Asoc.</i>	Nelson Alfredo Gonzalez <i>SDV Uruguay</i>	Silvina Vila Guillama <i>Bergstein Abogados</i>
Joel Newman <i>American Feed Industry Association</i>	Daniel Cabella Bentos <i>Ministerio de Agricultura, Ganadería y Pesca (MGAP)</i>	Barbara Grunfeld	Miguel Vilariño <i>Cámara de Industrias de Uruguay</i>
Lenore Palladino <i>Jason Weiner P.C.</i>	Carina Camarano <i>Dirección Nacional de Aduanas Uruguay</i>	Rodrigo Guerra <i>Estudio Jurídico MBGC</i>	
Tonya Price <i>Jason Weiner P.C.</i>	Enrique Canon <i>Dirección Nacional de Aduanas Uruguay</i>	Abril Guillén <i>Bergstein Abogados</i>	
Alan Sachs <i>Beveridge & Diamond PC</i>	Florencia Castagnola <i>Guyer & Regules</i>	Verónica Gutierrez <i>Laboratorios Microsules Uruguay SA</i>	
David Schutz <i>U.S. Environmental Protection Agency</i>	Cecilia Cola <i>Guyer & Regules</i>	Anthony Hernandez <i>Riaden SA</i>	
Richard Sellers <i>American Feed Industry Association</i>	Federico Condón Priano <i>Instituto Nacional de Investigación Agropecuaria (INIA)</i>	Nicolás Herrera <i>Guyer & Regules</i>	
Manchuna Shanmuganathan	Leonardo Couto <i>Jose Maria Facal & Co.</i>	Diego Irazoqui <i>Boehringer Ingelheim Animal Health</i>	
Howard Symons <i>Jenner & Block LLP</i>	Agustina Crespo Sucunza <i>Supervielle - de Cores</i>	Gabriel Isola <i>Confederación Uruguaya de Entidades Cooperativas (CUDECOOP)</i>	
Johanna Thomas <i>Jenner & Block LLP</i>	Mauricio D'Acunzi <i>Saudu</i>	Hugo Luraschi	
		Enrique Martínez Schickendantz <i>Asociación de Despachantes de Aduana del Uruguay</i>	
		Gonzalo Menendez	
			UZBEKISTAN
			<i>Asia Alliance Bank</i>
			<i>Chamber of Commerce and Industry of Uzbekistan (CCIU)</i>
			<i>State Veterinary Committee</i>
			<i>Texnokorm</i>
			<i>Vetteria Ltd.</i>
			<i>VIP Logistics Ltd.</i>
			<i>Azizkhan Akhmedov</i> <i>Central Asia Seed Company</i>
			<i>Dilafruz Arifkhanova</i> <i>State Plant Quarantine Inspection</i>
			<i>Arsen Ayrapetyans</i> <i>Association of Customs Brokers Uzbekistan</i>





Lobar Azimova <i>State Plant Quarantine Inspection</i>	Anora Turakhodjaeva <i>GRATA Law Firm</i>	Thien Son Nguyen <i>Institute for Water and Environment (IWE)</i>	Namuyombe Gondwe <i>Swift Freight International Ltd.</i>
Ziyoda Ganihodjaeva <i>The State Inspection on Supervision in the field of Communication</i>	Mirolim Turgunbaev <i>JSC Uzagrosugurta</i>	Tram Nguyen <i>YKVN</i>	Nsondo Hamulondo <i>NWK Agri-Services</i>
Almira Gataulina <i>Ministry for Development of Information Technologies and Communications</i>	Abdurashid Vakhabov <i>JSC Uzagrosugurta</i>	Tuan Nguyen <i>ANT Lawyers</i>	Amy Kingdom <i>Veterinary Association of Zambia</i>
Mustafshira Iskandarkhujaeva <i>Central Asia Seed Company</i>	Bakhtiyor Yerimbetov <i>Bek Broker</i>	Tuan Diep Nguyen <i>Truong Hai Auto Corporation (THACO)</i>	George Liacopoulos <i>Zdenakie Commodities Ltd.</i>
Kodir Bakhadirovich Ismailov <i>Ministry of Agriculture</i>	Nodir Yuldashev <i>GRATA Law Firm</i>	Dang Nguyen Ha <i>Fidal AsiAttorneys</i>	Doreen Malenkano Chomba <i>Plant Quarantine and Phytosanitary Service</i>
Oydin Kadirova <i>Veteria Ltd.</i>	Dilorom Yuldasheva <i>GRATA Law Firm</i>	Nguyen Thi Nguyet <i>Institute for Water and Environment (IWE)</i>	Simasiku Martin <i>Cotton Development Trust</i>
Muslim Khalilov <i>State Plant Quarantine Inspection</i>	Alisher Zaynudinov <i>Virtus Leo Law Firm</i>	Huong Pham <i>YKVN</i>	Hilary Michelo <i>Zambia Revenue Authority</i>
Yashnar Khamraev <i>Association of International Forwarders of Uzbekistan</i>	Vidmantas Zhitkyavichyus <i>Imkon Premix</i>	Do Thanh Tung <i>VietSeed Co., Ltd.</i>	Francisco Miti <i>Seed Control and Certification Institute (SCCI)</i>
Saidnumon Mansurov <i>JSC Uzagrosugurta</i>	VIETNAM	Loc Le Thi <i>YKVN</i>	Kenneth Msiska <i>Plant Quarantine and Phytosanitary Service</i>
Bobir Abdumalikovich Mavlyanov <i>Veteria Ltd.</i>	<i>Audier & Partners</i>	Thu Hang Tran <i>Vietnam Cooperative Alliance</i>	Michael Mundashi SC <i>Mulenga Mundashi Kasonde Legal Practitioners</i>
Mirsaid Mirabzalov <i>JSC Uzagrosugurta</i>	<i>Water Resources Institute</i>	Huong Trinh Thị Thu <i>Foreign Trade University</i>	Schalla Mwakazanga <i>Bari Zambia Limited</i>
Dmitriy Mitrofanov <i>Centil Law Firm</i>	Nguyen Hoa Binh	Le Anh Tuan <i>Can Tho University</i>	Christopher Mwamba <i>Danatrac Limited</i>
Tatyana Popovkina <i>GRATA Law Firm</i>	Nga Dao <i>Center for Water Resources Conservation and Development (WARECOD)</i>	Trinh Xuan Dat	Lemmy Namayanga <i>Water Resources Management Authority (WARMA)</i>
Gafur Rasulev <i>AgTech LLP</i>	Cao Sang Dau <i>Petrovietnam Fertilizer and Chemicals Corporation</i>	ZAMBIA	Daniel Ndambasia <i>Zambia Medicines Regulatory Authority (ZAMRA)</i>
Rustam Rustamov <i>Ucell</i>	Thanh Huu Dinh <i>Bee Logistics Corporation</i>	Moosa Ameen <i>AgriVet Africa Ltd.</i>	Celine Phiri <i>Corpus Legal Practitioners</i>
Nozim Sabirov <i>Agro-kimyo Standart</i>	Tran Tich Huong Dinh <i>VIRBAC</i>	Habasonda Calvin <i>Bank of Zambia</i>	Elliot Phiri <i>Bari Zambia Limited</i>
Nizomiddin Shakhabutdinov <i>Leges Advokat Law Firm</i>	Albert Franceskinj <i>Fidal AsiAttorneys</i>	Chisanga Perry Chansongo <i>Zenith Business Solutions</i>	Nathan Phiri <i>Seed Control and Certification Institute (SCCI)</i>
Kamila Sharipova <i>Leges Advokat Law Firm</i>	Wolfram Willbert Gruenkorn <i>Gruenkorn & Partner Law Company Limited</i>	Alick Chirwa <i>Sinok Logistics Ltd.</i>	Joof Pistorius <i>AFGRI Corporation Limited</i>
Sultan-Makhmud Sultanov <i>State Plant Quarantine Inspection</i>	Thang Huynh <i>DFDL</i>	Chisala Chisala <i>Corpus Legal Practitioners</i>	Kamwata Pumulo
Alisher Tashmatov <i>Central Asia and the Caucasus Association of Agricultural Research Institutions (CACAARI)</i>	Marion Martinez <i>Yara</i>	Sydney Chisenga <i>Corpus Legal Practitioners</i>	Ernest Schay <i>Bayer Animal Health</i>
Nguyen Thanh Minh <i>Ministry of Agriculture and Rural Development</i>	Nguyen Thanh Minh <i>Marubeni Vietnam Company Limited</i>	Alfred Chitalu <i>Zambia Chamber of Commerce and Industry</i>	Ismail Siame
Dang Nguyen <i>Marubeni Vietnam Company Limited</i>	Thi Phuong Loan Nguyen	Madaliso Daka <i>Musa Dudhia and Co.</i>	Martin Siazemo <i>Plant Quarantine and Phytosanitary Service</i>
Paul Fandamu <i>Ministry of Fisheries and Livestock</i>			

Mike Sikazwe
Bruce Simfukwe
Zambia Environmental Management Agency
Lupiya Simusokwe
Corpus Legal Practitioners
Judith Tembo
TCJ Legal Practitioners

Zivanai Makoni
Medicines Control Authority of Zimbabwe (MCAZ)

Fredd Maponga
Environmental Management Agency (EMA)

Tsungirirai Marufu-Maune
Gutu & Chikowero

Chris Masimu
Divine Freight Forwarding (Private) Limited

Echo Meza
Agricon Equipment

Moses Bias
Majestic Tobacco Pvt. Ltd.
Whitney Bias
Majestic Tobacco Pvt. Ltd.

Debra Chabwanda
Medicines Control Authority of Zimbabwe (MCAZ)

Swisdai Chamboko
William Bain & Company Holdings (Pvt.) Ltd.

Claudious Chikozho
University of the Witwatersrand

Beloved Dhlakama
Dhlakama B. Attorneys
Richard Gurira
ZFC Limited

Obert Chaurura Gutu
Gutu & Chikowero

Terence Hussein
Hussein Ranchhod & Co. Legal Practitioners

Charles Jaure
Zimbabwe Investment Authority

Stanley Jumbe
Majestic Tobacco Pvt. Ltd.

Prince Kanokanga
Kanokanga & Partners

Kudzanai Kapurura
Gutu & Chikowero

Tapera Kazembe
Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ)

Hazvinei Mahachi
Gutu & Chikowero

Safraz Mahomed
Dhlakama B. Attorneys

Peter Setimela
CIMMYT
Mildred Shumba
Fivet Animal Health
William Wekwete
Medicines Control Authority of Zimbabwe (MCAZ)

Tsungirirai Marufu-Maune

Gutu & Chikowero

Chris Masimu

Divine Freight Forwarding (Private) Limited

Echo Meza

Agricon Equipment

Nhamo Mudada
Ministry of Agriculture, Mechanisation and Irrigation Development

Claid Mujaju
Ministry of Agriculture, Mechanisation and Irrigation Development

Benjamin Mukandi
Freight World Pvt. Ltd.

Ngonidzashe Portia
Munhuweyi

Talent Munyaradzi
Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ)

Tumai Murombo
University of the Witwatersrand

Webster M. Muti
Waterkings Environment Consultancy

Hilda Mutseyekwa
Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ)

Dean Muungani
Seed Co. Limited

Duduzile Ndawana
Gill, Godlonton & Gerrans

Edwell Ngwenya
Freight World Pvt. Ltd.

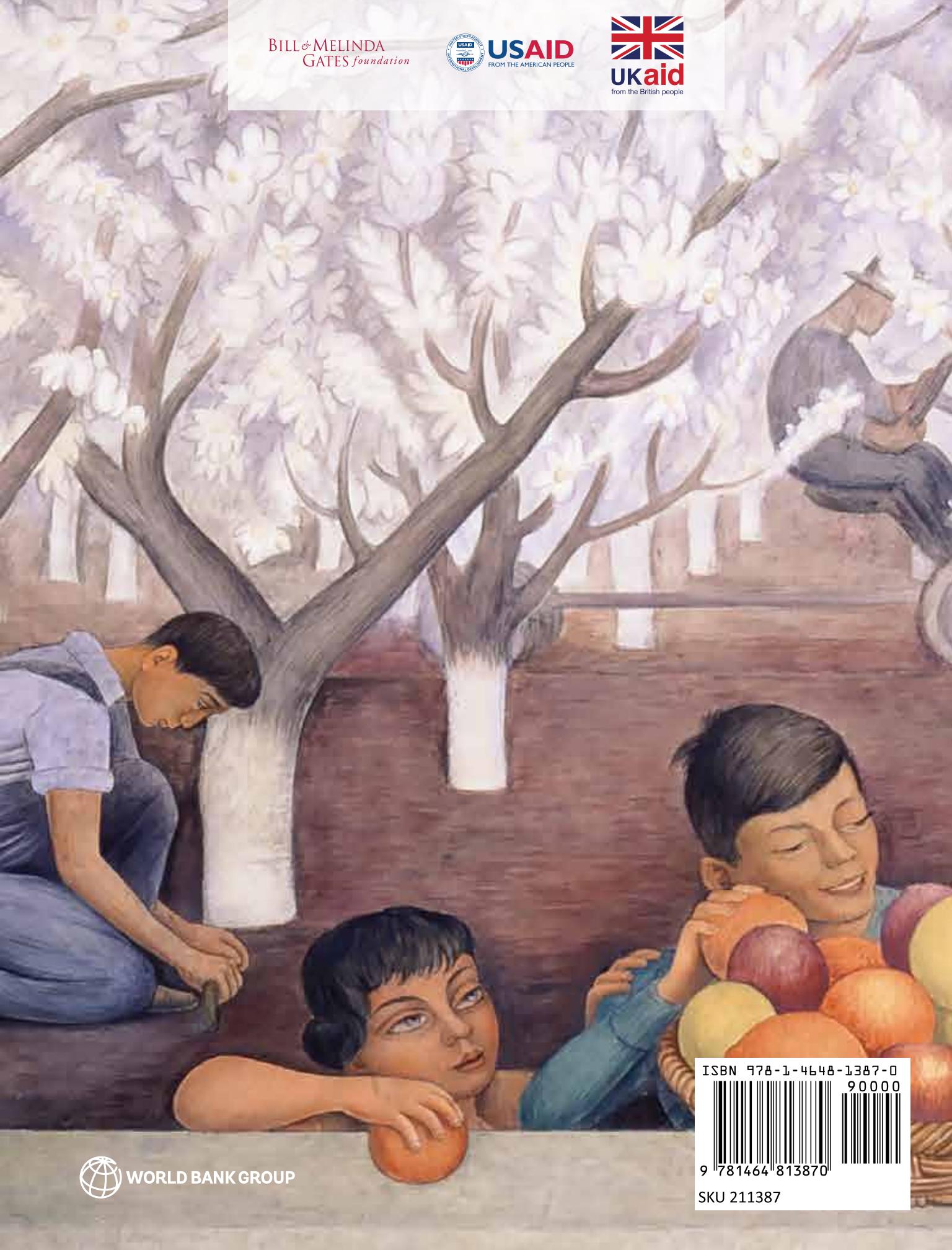
Philip Nyakutombwa
Nyakutombwa Legal Counsel

Shadha Omar
Hussein Ranchhod & Co. Legal Practitioners

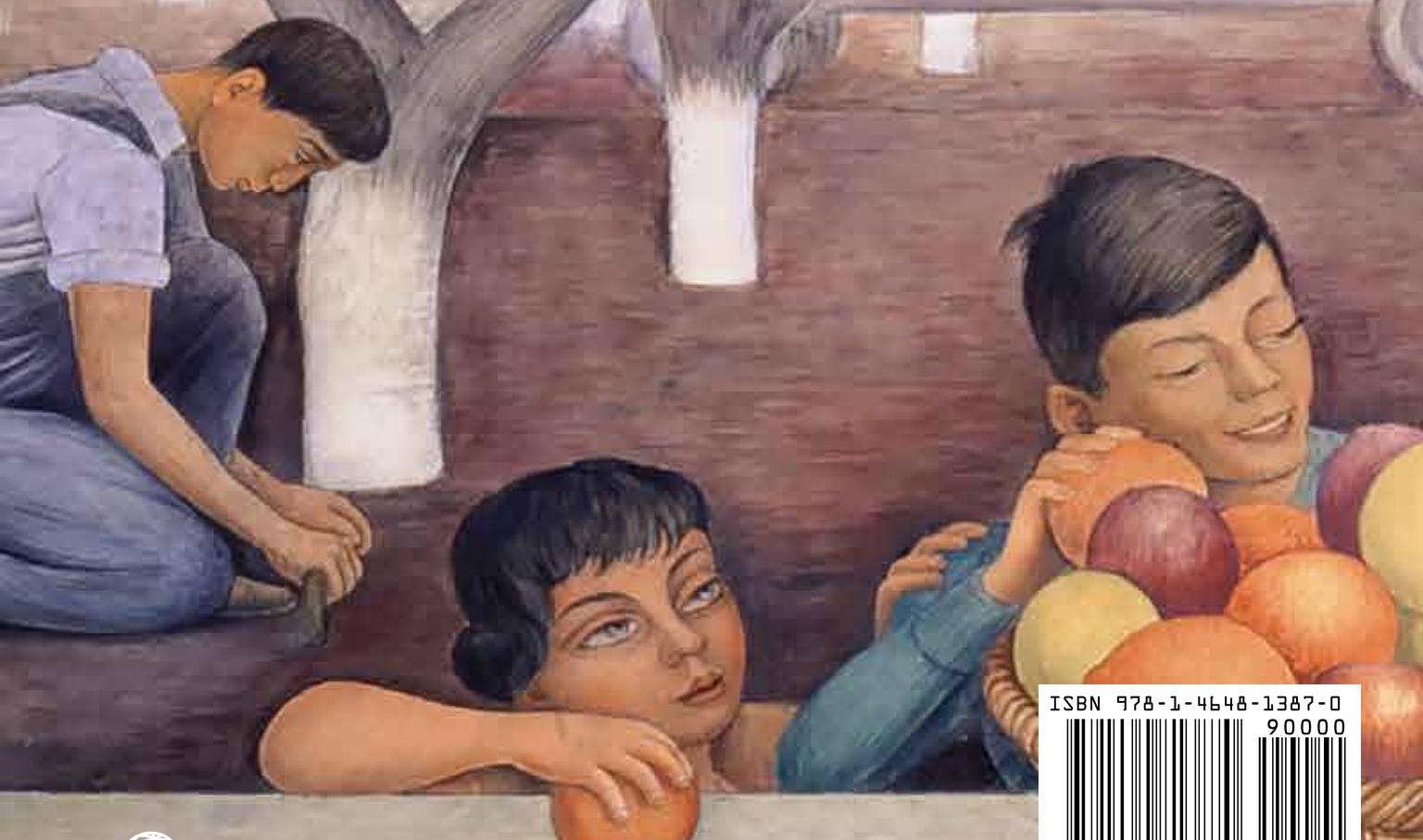
Rumbidzai Panavanhu

Postal and Telecommunications Regulatory Authority of Zimbabwe (POTRAZ)





BILL & MELINDA
GATES foundation



ISBN 978-1-4648-1387-0

90000



9 781464 813870

SKU 211387



WORLD BANK GROUP