# ATLAS FOR AGRICULTURE IN THE AMERICAS





#### INTER-AMERICAN INSTITUTE FOR COOPERATION ON AGRICULTURE (IICA), 2019

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#### **Atlas for Agriculture in the Americas**

First edition, 2019 San Jose, Costa Rica Also published in Spanish

**Content: Eugenia Salazar** 

**Translation: IICA Language Unit** 

Design and layout: Ingenio, Arte y Comunicación S.A.

We wish to express special thanks to Information and Communication Technologies and Digital Agriculture Division for its enthusiastic support in materializing the website for this publication.

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# **FOREWORD**

The Latin America and Caribbean (LAC) region plays a pivotal role in the world's agrifood markets. It currently accounts for nearly 14% of global agrifood exports. In 2017, the value of the region's net exports topped USD 148 billion, with USD 2.60 earned from exports for every dollar spent on imports. The LAC countries now lead the international markets of tropical fruits, coffee, roots and tubers, oilseeds and cereals, among others.

As well as being an important supplier of agrifood products to the world, agriculture makes major economic and social contributions. Over the last year, the agriculture sector accounted for 4.6% of LAC's GDP and more than 14% of all employment in the region. This figure is considerably higher in rural areas, where around 54.6% of the working population are involved in agricultural activities.

In addition to its current role in agrifood markets, LAC is one of the regions best placed to increase food production in a sustainable manner, thanks to its biological riches and the land and water available. However, there are also important challenges to overcome with regard to the distribution and management of resources among and within countries.

This publication is intended to highlight the share of important agrifood products that the region supplies to the rest of the world, in order to contribute data and useful information for decision-making.

This first edition includes systematized information on the 5 main exports of the countries of the Andean, Central, Southern, Caribbean and Northern Regions. The information demonstrates the importance of these products both within Latin America, as well as within the global market, in a clear, organized and rapid manner. It also provides a general overview of the meat and dairy export markets of Latin America and the Caribbean. We trust that in addition to serving as a source of reference for decision makers, the information presented here, which will be updated periodically, will be useful in fostering dialogue between governments and will be an incentive to increase trade and horizontal cooperation. Indeed, we hope that it will represent a starting point for the formulation of initiatives that will strengthen the development and well-being of the 125 million inhabitants of rural areas in LAC.

Manuel Otero Director General Inter-American Institute for Cooperation on Agriculture



# **SECTION 1**

# LAC: A LEADING PLAYER IN GLOBAL AGRIFOOD MARKET

# **OVERALL CONTEXT OF LATIN AMERICA AND THE CARIBBEAN (LAC)**



IISN 5 247 000 000 000 Gross domestic product (GDP) in 2018







Contribution of LAC to economic production in the Americas in 2018



million people living in LAC (9 % of the world population by 2018)

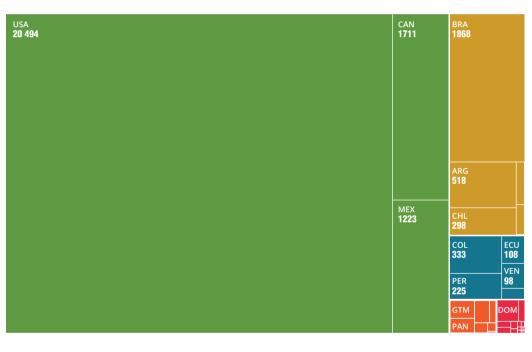


million people will live in LAC by 2050, with 88 % residing in urban areas



of the Earth's surface (20 000 000km<sup>2</sup>)

LAC ACCOUNTED FOR 19% OF THE TOTAL ECONOMIC PRODUCTION OF THE HEMISPHERE DURING 2018 (IN BILLION USD. THE COLOR OF THE COUNTRY IS BASED ON THE REGION WHERE IT IS LOCATED)



Region Andean Caribbean Central Northern Southern

**GDP GROWTH RATE AND** 

**PROJECTION (%)** 



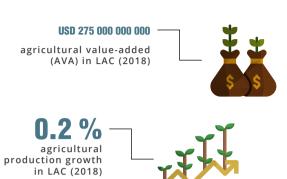
Source: Drafted based on World Bank 2019, IMF 2019 and UN 2019.

#### FORECASTED GDP GROWTH FOR 2019 (%)

D M A	8
PAN	6
DOM	5.1
G R D	4.2
BOL	4
ATG	4
PER	3.9
GUY	3.8
COL	3.5
KNA	3.5
GTM	3.5
PRY	3.5
CHL	3.4
HND	3.4
LCA	3.3
CRI	2.9
SLV	2.5
BLZ	2.5
USA	2.3
VCT	2.3
SUR	2.2
BHS	2.1
BRA	2.1
URY	1.9
JAM	1.7
MEX	1.6
HTI	1.5
CAN	1.5
TTO	0
BRB	- 0.1
ECU	- 0.5
ARG	- 1.2
NIC	- 5
VEN	- 25

**AGRICULTURAL SECTOR** 

**IN LAC** 



4.6 %
contribution of the agriculture sector to the GDP of LAC (2018)



contribution of the agriculture sector to total employment in LAC (2018)



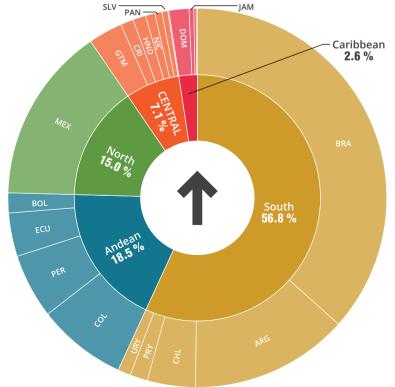
average partial factor productivity (PFP) per farmer in LAC (2018)



percentage of agricultural lands in the total surface of

LAC (2016)







The SOUTHERN REGION has spearheaded agricultural production in LAC, accounting for

**56.8** %

of total production in 2017, followed by the ANDEAN REGION (18.5 %), NORTHERN REGION (15 %), CENTRAL REGION (7.1 %) y CARIBBEAN (2.6 %).

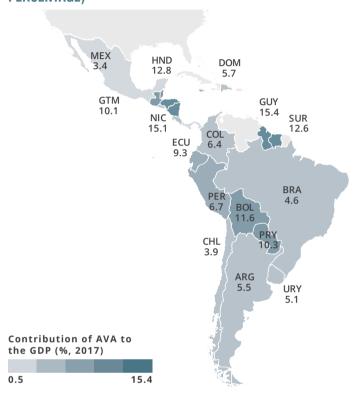
Note: The color of the country is based on the region in which it is located.  $\label{eq:color_problem}$ 

Source: Drafted based on WB 2019.

### THE ROLE OF AGRICULTURE IN LAC

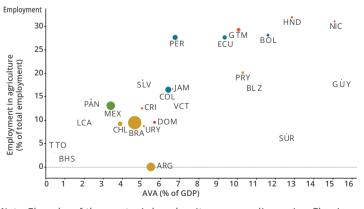
In LAC, agriculture plays a key role in income, employment and food generation, not just for consumption in the region but in the rest of the world as well. In terms of production, agriculture in LAC accounted for 4.6 % of the regional GDP.

# CONTRIBUTION OF AVA TO THE GDP (IN 2017, EXPRESSED AS PERCENTAGE)



In terms of employment, agriculture accounted for more than 14 % of total jobs in LAC.

# CONTRIBUTION OF AGRICULTURE TO GDP (%) AND OF AGRICULTURAL EMPLOYMENT TO TOTAL EMPLOYMENT (%)



Note: The color of the country is based on its corresponding region. The size of the bubble represents AVA in billion USD (2017).



At the national level,

**18.5%** of total employed men and **7.5%** of total employed women work in the agriculture sector in LAC.



In LAC, 125 million people live in rural areas (2018), which accounts for **19.4** % of the total population.

**54.6** % of the total number of workers in rural areas carries out primary activities associated with agriculture.

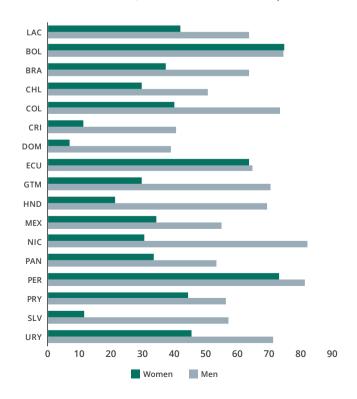
In countries like Bolivia and Peru, rural employment in agriculture surpasses 70 % of the total workforce.



In rural areas,

**62.1** % of total employed men and **40.8** % of total employed women work in the agriculture sector in LAC.

# AGRICULTURAL EMPLOYMENT IN RURAL AREAS (% OF TOTAL EMPLOYMENT, ACCORDING TO GENDER)

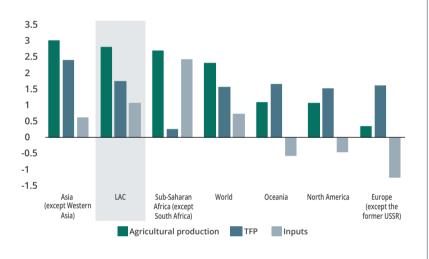


Source: Drafted based on World Bank 2019 and ECLAC 2019.

# LAC'S GOAL IS TO INCREASE PRODUCTIVITY AND AGRICULTURAL PRODUCTION IN A SUSTAINABLE MANNER

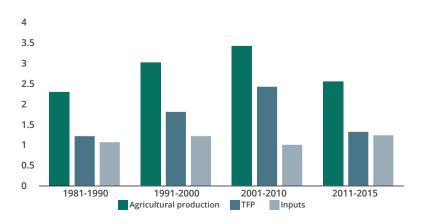
Over the last ten years, LAC's agricultural production has increased due to higher productivity. However, the region still needs to address a series of outstanding issues, including a sustainable rise in agricultural productivity.

AGRICULTURAL PRODUCTION VARIATION: ANNUAL AVERAGE GROWTH, TOTAL FACTOR PRODUCTIVITY (TFP) AND INPUTS (DURING THE 2006-2015 PERIOD, EXPRESSED AS PERCENTAGES)



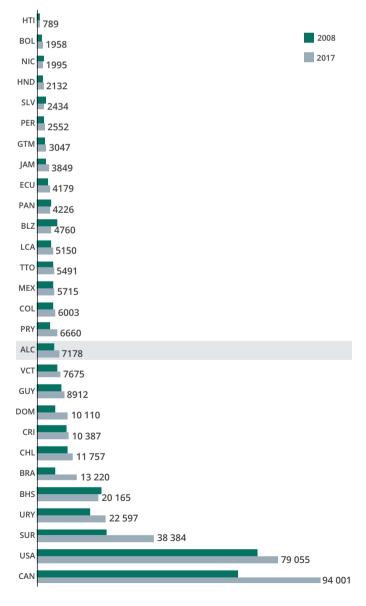
Nonetheless, over the past five years, agricultural productivity in the region has been affected by a delay in the implementation of technological advances and investment on infrastructure, as well as by increased use of inputs such as land and labor, among others.

# EVOLUTION OF AGRICULTURAL PRODUCTION GROWTH IN LAC, TFP AND INPUTS (% OF AVERAGE ANNUAL GROWTH PER PERIOD)



By 2017, the average TFP in the agriculture sector per farmer in LAC was USD 7178, higher than the world average of USD 3333, but much lower than that of countries such as the United States (USD 79 055) and Canada (USD 94 001), where workers have access to more innovations and technologies that allow them to increase their yield.

AGRICULTURAL PRODUCTION VARIATION: ANNUAL AVERAGE GROWTH, TOTAL FACTOR PRODUCTIVITY (TFP) AND INPUTS (DURING THE 2006-2015 PERIOD, EXPRESSED AS PERCENTAGES).



Source: Drafted based on the Word Bank 2019 and Fuglie and Rada 2019.

### WHAT IS GROWN IN LAC?

#### MAIN CROPS ACCORDING TO TOTAL HARVESTED AREA, 2015-2017 PERIOD

# Sunflower seed

Production (million tons): 4
Contribution to global production (%): **7.6** 

Top producing country in the world:

Country in LAC with the highest contribution to global production:

Argentina (3)

#### Yucca

Production (million tons): 30

Contribution to global production (%): **10.3** 

Top producing country in the world: Nigeria

Country in LAC with the highest contribution to global production:

Brazil (4)

# **Sorghum**

Production (million tons): 11

Contribution to global production (%): 18.1

Top producing country in the world: **United States** 

Country in LAC with the highest contribution to global production:

Mexico (3)

#### Rice

Production (million tons): **27** Contribution to global production (%):

Contribution to global production (%): **3.6** 

Top producing country in the world: **China** 

Country in LAC with the highest contribution to global production:

Brazil (9)



#### Soybean

Production (million tons): 177

Contribution to global production (%): **52.4** 

Top producing country in the world: **United States** 

Country in LAC with the highest contribution to global production: **Brazil (2)** 

#### **Maize**

Production (million tons): 168

Contribution to global production (%): **15.4** 

Top producing country in the world: **United States** 

Country in LAC with the highest contribution to global production:

Brazil (3)

### **Sugar cane**

Production (million tons): 996

Contribution to global production (%): **53.6** 

Top producing country in the world: **Brazil** 

Country in LAC with the highest contribution to global production: **Brazil (1)** 

#### Wheat

Production (million tons): 28

Participación en la producción mundial (%): **3.7** 

Top producing country in the world: **China** 

País de ALC con mayor participación en la producción mundial: **Argentina (11)** 

#### Coffee

Production (million tons): 5

Contribution to global production (%): **55.4** 

Top producing country in the world:

Country in LAC with the highest contribution to global production:

Brazil (1)

#### **Beans**

Production (million tons): 6

Contribution to global production (%): **19.9** 

Top producing country in the world: **India** 

Country in LAC with the highest contribution to global production: **Brazil (3)** 

Source: Drafted based on FAO 2019.

# **AGRIFOOD TRADE IN LAC**



USD 239 000 000 000

Agrifood products exported by LAC in 2017



USD 91 000 000 000

Agrifood products imported by LAC in 2017



2.6

Balance of trade (dollars exported per every imported dollar in 2017)



**8.2** %

Annual growth in agrifood exports in 2017



**24.1** %

Contribution of agrifood exports to total goods exported by LAC in 2017



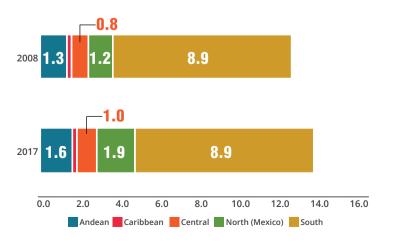
13.6 %

Contribution of LAC to global agrifood exports in 2017

# LAC PLAYS A KEY ROLE IN THE GLOBAL MARKET FOR AGRIFOOD PRODUCTS

The region went from accounting for 12.6 % of world agrifood exports (2008) to 13.6% in 2017.

# CONTRIBUTION OF LAC AGRIFOOD EXPORTS TO THE WORLD TOTAL. % CORRESPONDING TO THE LAC SUB-REGION (2017)



## LAC IS ONE OF THE WORLD'S MAIN NET EXPORTING REGIONS

In 2017, net exports from the region climbed to USD 148 billion, equivalent to 2.6 exported US dollars for every imported dollar in the region in terms of agrifood products; it must be noted, however, that this is not homogeneously distributed:

**USD 10.5** 

are exported for every dollar imported in Argentina (agrifood balance of trade). **USD 0.03** 

are exported for every dollar imported in Antigua and Barbuda

## THE GROWING ASIAN DEMAND FOR AGRIFOOD PRODUCTS HAS BOOSTED SALES IN LAC

24.3 %

of LAC agrifood exports (2015-2017) were placed in the North American market (United States and Canada), the main destination for LAC exports.

23.1 %

of exports were sent to Asian markets (except China), while 13% went to China.

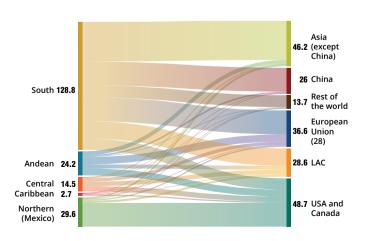
14.4 %

of LAC agrifood exports were sold to LAC markets.

**65%** 

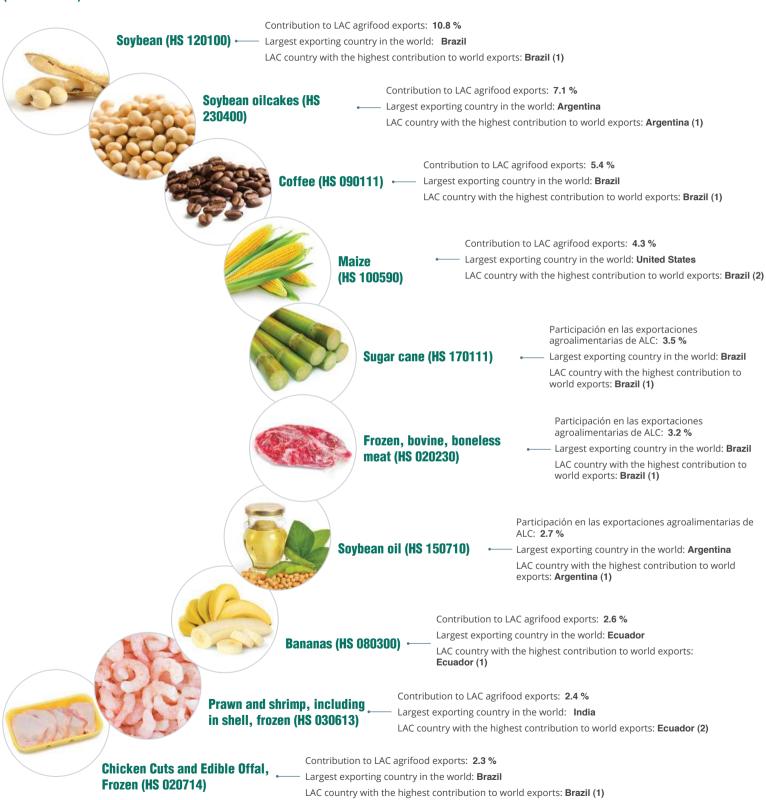
of LAC agrifood exports originate in the Southern Region. Over the 2015-2017 period, the region exported USD 128.8 billion worth of agrifood products, the main destination of which was Asia.

# LAC EXPORTS PER SUB-REGION OF ORIGIN AND DESTINATION REGION (IN BILLION USD, 2015-2017 PERIOD)



# WHAT ARE THE MAIN AGRIFOOD PRODUCTS EXPORTED BY LAC?

(2015-2017)

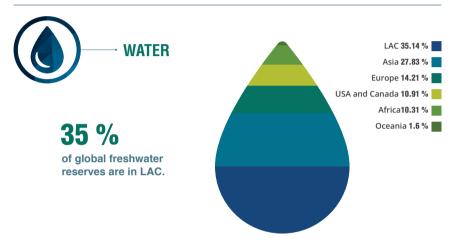


Note: Classification of the Harmonized System 2002.

Source: Drafted based on UN 2019.

# TOWARDS SUSTAINABLE AGRICULTURE

LAC is the region in the world with the highest potential to sustainably increase agricultural production and produce nutritious foods, thanks to its biological wealth, land and water availability and scientific and technological capacities. Still, the region must overcome major challenges regarding the availability of natural resources and their management.



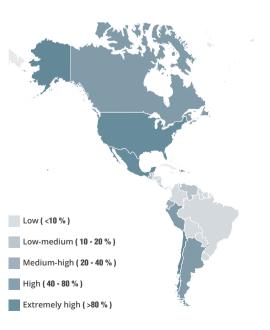
The distribution of water resources is highly heterogeneous among the countries and within them.

 $57\,\%$  of water resources in LAC are in the Southern Region, and  $34\,\%$  in the Andean Region.

#### CHALLENGE: WATER MANAGEMENT IN LAC'S AGRICULTURAL SECTOR

Some LAC countries such as Chile and Mexico, which are world leaders in terms of food production and export, display extremely high levels of water stress in agriculture (WRI 2019). This problem also affects regions of high economic and social value for the countries, such as the Central American dry corridor.

WATER STRESS IN THE AGRICULTURE SECTOR PER COUNTRY (PROJECTION FOR 2030)









of the planet's biodiversity is in LAC



of the world's tropical forests are in LAC and 12 % of the planet's mangroves are in the Caribbean



6

of the 17 megadiverse countries in the world (Brazil, Colombia, Ecuador, Mexico, Peru and Venezuela) are located in LAC



8

of the 36 biodiversity hotspots are in LAC

centers of origin (Vavilov areas) are in LAC



Southern Mexican and Central

American
49 species



Bolivia, Ecuador and Peru

45 especies species



Brazilian-Paraguayan

13 species



Chilean

species

## CHALLENGE: INCREASE AGRICULTURAL PRODUCTION IN LAC IN A SUSTAINABLE MANNER

According to the Convention on Biological Diversity (CBD, 2014), agricultural drivers account for 70 % of the projected biodiversity loss on Earth.

Source: Drafted based on the CBD 2014, CI 2019, FAO 2019, UNEP-WCMC 2016 and WRI 2019.





**25** %

of agriculture-related greenhouse gas production originates in the Americas, only surpassed by Asia with 44 %. Africa emitted 15 %; Europe, 12 %; and Oceania, 4 % (2001-2011 period).





In LAC, **709** 

million hectares are used for agriculture (2017)



of the planet's agricultural surface is in LAC (2017)

\*\*\*

**35** %

of the LAC surface is utilized for agriculture (2017)



28 %

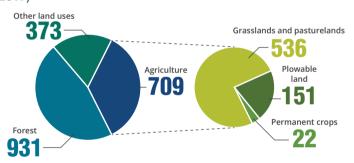
of lands with potential to expand agricultural surfaces are



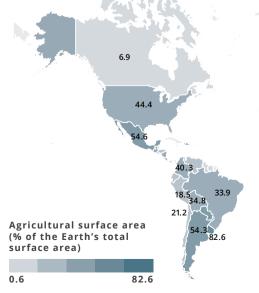
23 %

of the Earth's forests are in LAC (2017)

# DISTRIBUTION OF SOIL USE IN LAC (IN MILLION HECTARES, 2017)



AGRICULTURAL SURFACE AREA (% OF TOTAL SURFACE AREA, 2017)



#### **CHALLENGE: SOIL DEGRADATION IN LAC**

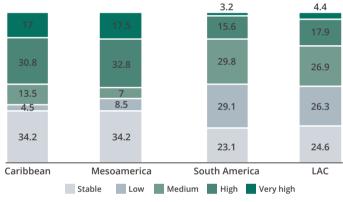
300

million hectares of soil in LAC are degraded 48 %

of soils in the Caribbean, and **50**%

of soils in Mesoamerica show high or very high levels of degradation.

#### **SOIL DEGRADATION (%, 1990)**



Source: UNEP 2016.

Degraded areas are a significant source of greenhouse gas emissions in the region (Vergara *et al.* 2018) and are less resilient in the face of extreme events



5

of the 10 countries most affected by extreme events over the past twenty years are in the LAC region (Puerto Rico, Honduras, Haiti, Nicaragua and Dominica) according to the Global Climate Risk Index (Eckstein, et al. 2018)

LAC must shift towards agricultural practices that are more aligned with sustainable management of natural resources



17

LAC countries have committed to restoring more than 50 million hectares of degraded lands by means of the 20x20 initiative (Vergara et al. 2018)

Source: Drafted based on Eckstein et al. 2018, FAO 2014 and 2019, UNEP 2016, Vergara et al. 2018 and Zeigler and Truitt Nakata 2014.



# **SECTION 2**

CROPS

#### ANDEAN Region

# **AVOCADOS**



Thousands of tonnes of avocados produced in the region, 2015-2017

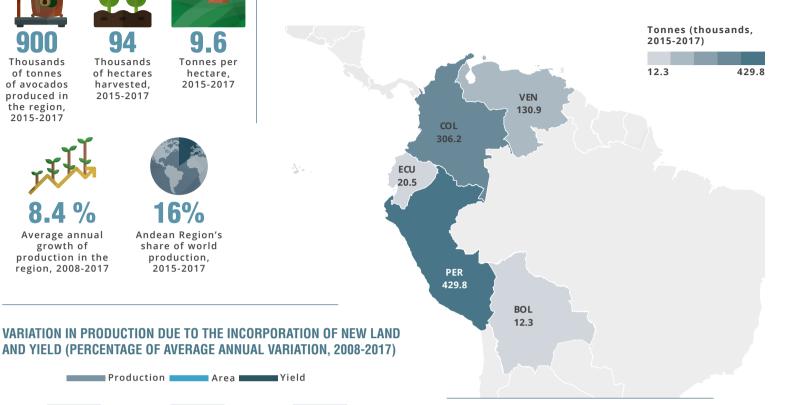


Thousands of hectares harvested. 2015-2017



9.6 Tonnes per hectare, 2015-2017

#### DISTRIBUTION OF AVOCADO PRODUCTION IN THE REGION (PERIOD 2015-2017. THOUSANDS OF TONNES PER YEAR)



Average annual growth of production in the region, 2008-2017

> 20 15



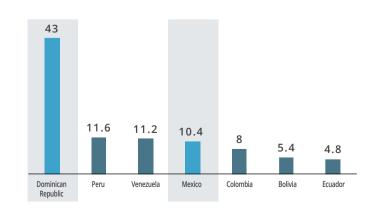
Andean Region's share of world production, 2015-2017

#### 10 5 0 - 5 -10 Bolivia Colombia Venezuela

#### THE WORLD'S TOP 10 AVOCADO PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017
1	Mexico	1854	33.1
2	Dominican Republic	588	10.5
3	Peru	430	7.7
4	Indonesia	350	6.2
5	Colombia	306	5.5
6	Brazil	197	3.5
7	Kenya	169	3.0
8	United States of America	155	2.8
9	Chile	141	2.5
10	Venezuela	131	2.3

Source: Prepared based on FAO 2019.





#### USD 461 000 000

Value of Andean Region's avocado exports, 2015-2017



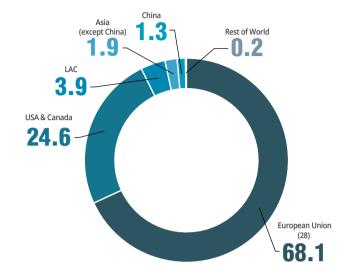
#### **USD 238 000**

Value of Andean Region's avocado imports, 2015-2017



2163

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

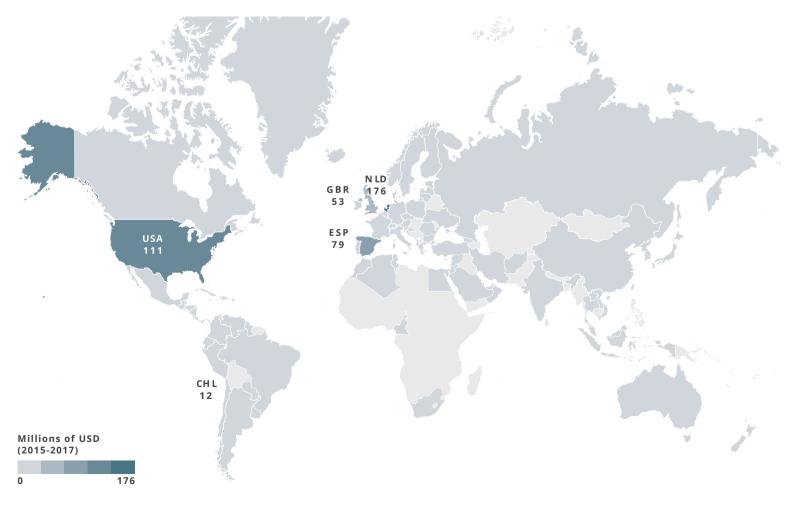


Average annual growth of avocado exports in Andean Region, 2015-2017



2015-2017

#### AVOCADO EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



#### ANDEAN Region

# **BANANAS**



11.4 Millions of

Millions of tonnes of bananas produced in the region, 2015-2017



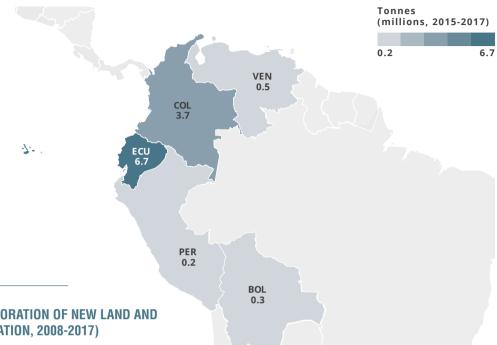
363
housand

Thousands of hectares harvested, 2015-2017



**31.4**Tonnes per hectare, 2015-2017

# DISTRIBUTION OF BANANA PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



TELE

1.7 %

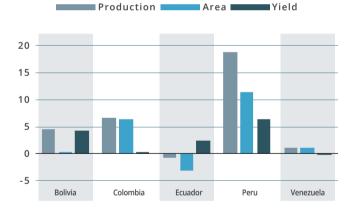
Average annual growth of production in the region, 2008-2017



10 % Andean Region's share of world production,

2015-2017

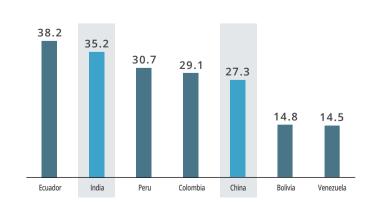
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 BANANA PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	India	30	26.0
2	China	11	9.8
3	Indonesia	8	6.9
4	Brazil	7	5.9
5	Ecuador	7	5.9
6	Philippines	6	5.2
7	Angola	4	3.4
8	Guatemala	4	3.4
9	Colombia	4	3.3
10	United Rep. of Tanzania	4	3.1

Source: Prepared based on FAO 2019.





#### USD 3 936 000 000

Value of Andean Region's banana exports, 2015-2017



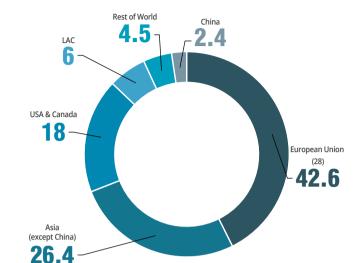
#### **USD 4 000 000**

Value of Andean Region's banana imports, 2015-2017



#### 1343

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

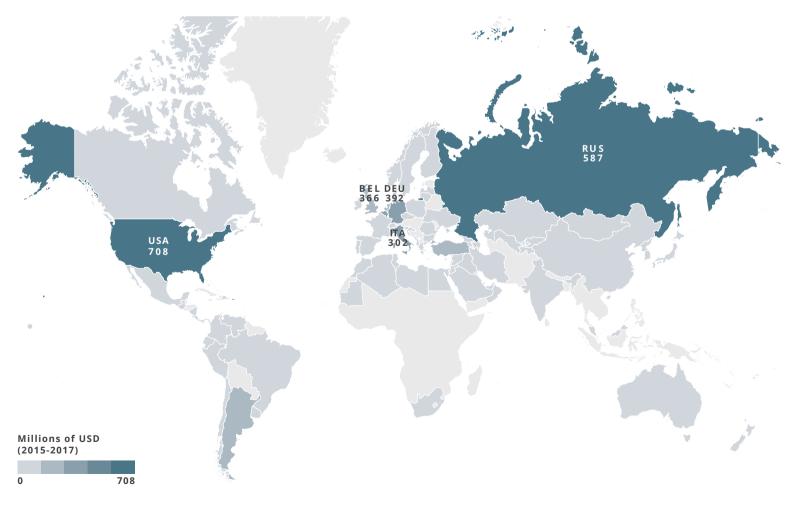
# 2.9 %

Average annual growth of banana exports in Andean Region, 2015-2017



30.5 % Andean Region's share of global banana exports, 2015-2017

#### BANANA EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



#### ANDEAN Region

# **COCOA BEANS**



381

Thousands of tonnes of cocoa beans produced in the region, 2015-2017



799

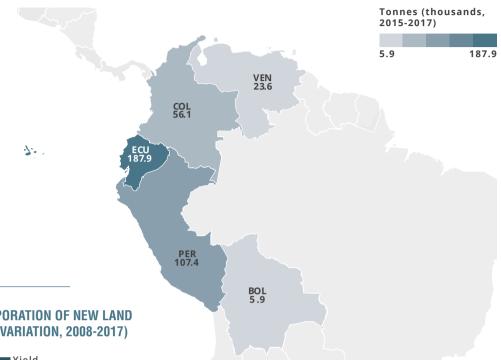
Thousands of hectares harvested, 2015-2017



**0.5**Tonnes per hectare,

2015-2017

# DISTRIBUTION OF COCOA BEAN PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



TIL

7.6 %

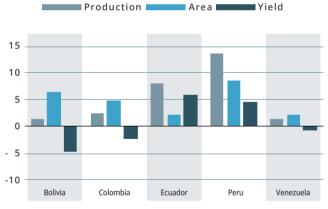
Average annual growth of production in the region, 2008-2017



**7.8** %

Andean Region's share of world production, 2015-2017

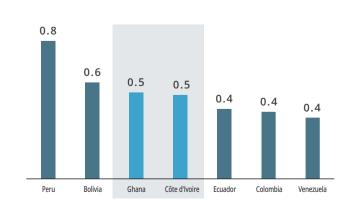
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 COCOA BEAN PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	Côte d'Ivoire	1821	37.3
2	Ghana	867	17.8
3	Indonesia	637	13.0
4	Nigeria	309	6.3
5	Cameroon	286	5.9
6	Brazil	243	5.0
7	Ecuador	188	3.8
8	Peru	107	2.2
9	Dominican Republic	81	1.7
10	Colombia	56	1.1

Source: Prepared based on FAO 2019.





#### USD 884 000 000

Value of Andean Region's cocoa bean exports, 2015-2017



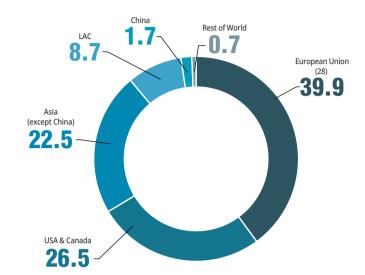
#### USD 12 000 000

Value of Andean Region's cocoa bean imports, 2015-2017



238

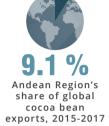
Trade balance (dollars exported for every dollar imported, 2015-2017)



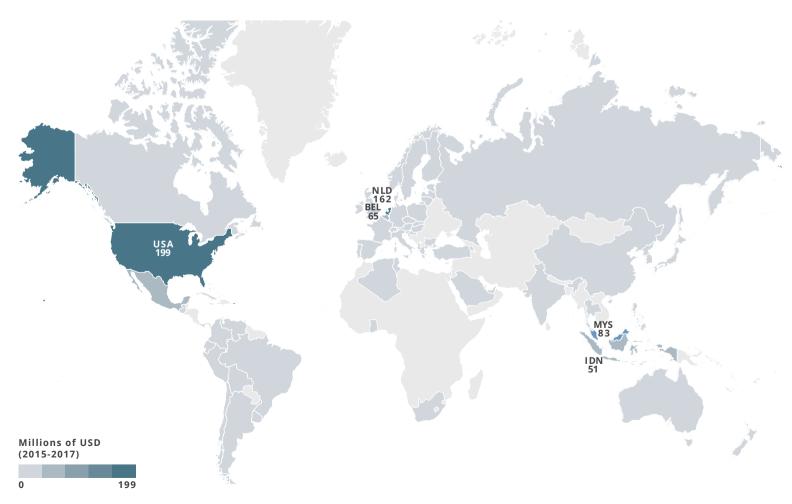
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



-6.6 %
Average annual growth of cocoa bean exports in Andean Region, 2015-2017



#### COCOA BEAN EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



#### ANDEAN Region

# COFFEE



Millions of tonnes of coffee produced in the region, 2015-2017

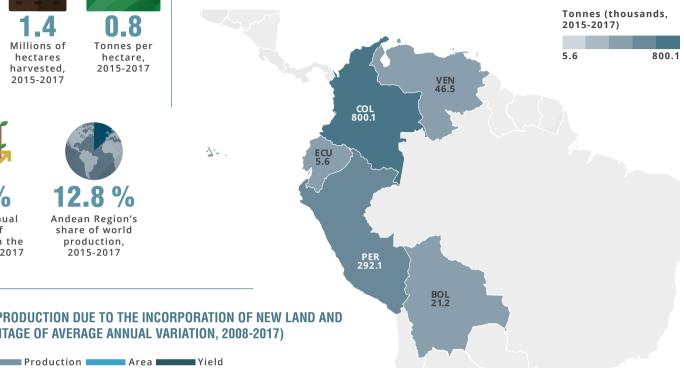


Millions of hectares harvested, 2015-2017



0.8 Tonnes per hectare, 2015-2017

#### DISTRIBUTION OF COFFEE PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)

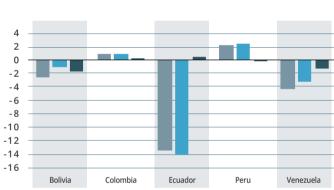


Average annual growth of production in the region, 2008-2017



Andean Region's share of world production, 2015-2017

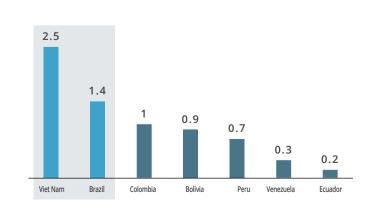
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



#### THE WORLD'S TOP 10 COFFEE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Brazil	2.8	30.5
2	Viet Nam	1.5	16.3
3	Colombia	0.8	8.8
4	Indonesia	0.6	7.1
5	Ethiopia	0.5	5.1
6	Honduras	0.4	4.3
7	India	0.3	3.6
8	Peru	0.3	3.2
9	Guatemala	0.2	2.6
10	Uganda	0.2	2.3

Source: Prepared based on FAO 2019.





#### USD 3 264 000 000

Value of Andean Region's coffee exports, 2015-2017



#### USD 74 000 000

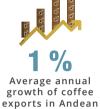
Value of Andean Region's coffee imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

# Rest of World 2 0.2 Asia (except China) 14.2 European Union (28) 34.8

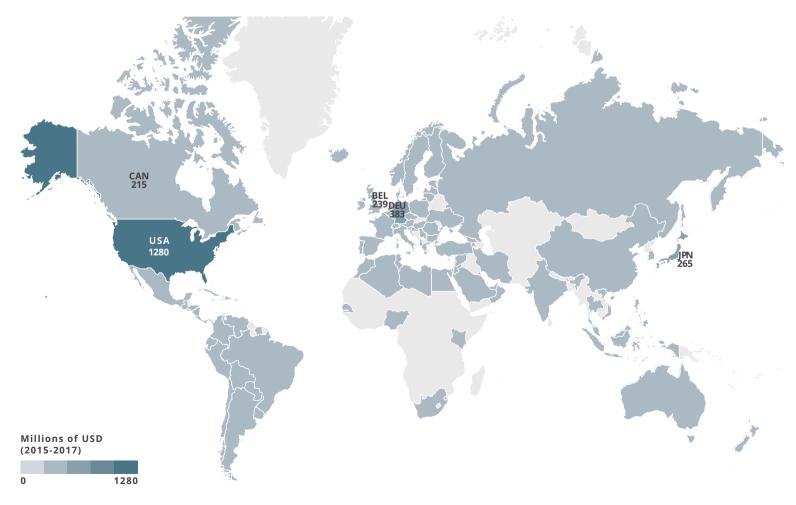
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



Region, 2015-2017



#### COFFEE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



#### **ANDEAN** Region

# GRAPES



Millions of tonnes of grapes produced in the region, 2015-2017

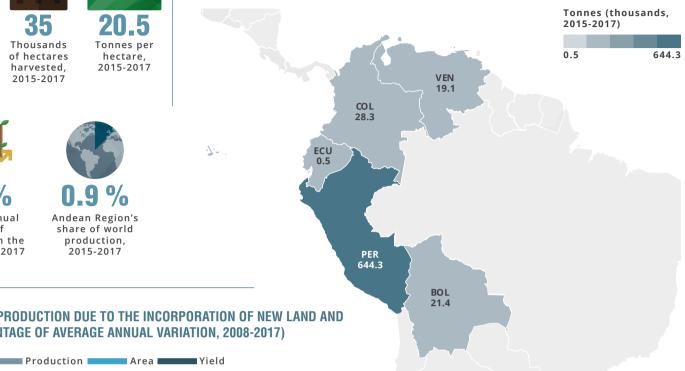


Thousands of hectares harvested. 2015-2017



Tonnes per hectare, 2015-2017

#### DISTRIBUTION OF GRAPE PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)

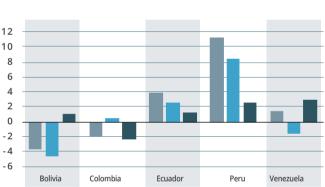


Average annual growth of production in the region, 2008-2017



Andean Region's share of world production, 2015-2017

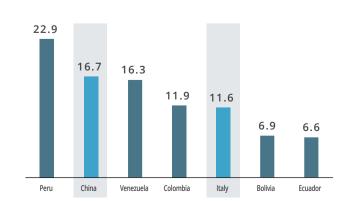
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



#### THE WORLD'S TOP 10 GRAPE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	China	13 040	17.3
2	Italia	7762	10.3
3	United States of America	6956	9.3
4	France	6140	8.2
5	Spain	5712	7.6
6	Turkey	3950	5.3
7	India	2705	3.6
8	Chile	2300	3.1
9	Iran	2131	2.8
10	Argentina	2046	2.7

Source: Prepared based on FAO 2019.





#### USD 673 000 000

Value of Andean Region's grape exports, 2015-2017



#### USD 48 000 000

Value of Andean Region's grape imports, 2015-2017

Average annual growth

of grape exports in

Andean Region,

2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)





(except China)

23.2

DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

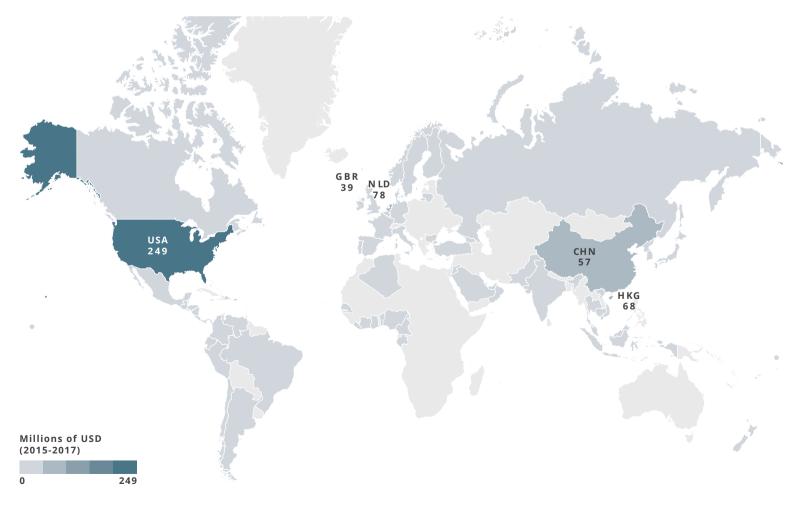
#### GRAPE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)

Andean Region's

share of global

grape exports,

2015-2017



# Region

# CARIBBEAN AVOCADOS



Thousands of tonnes of avocados produced in

the region, 2015-2017

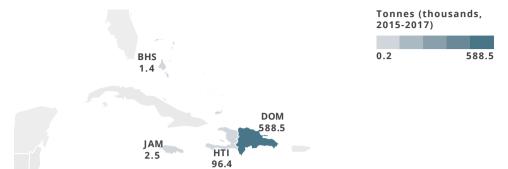


Thousands of hectares harvested. 2015-2017



Tonnes per hectare. 2015-2017

#### DISTRIBUTION OF AVOCADO PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)





Average annual growth of

production in the

region, 2008-2017



Caribbean Region's

share of world production, 2015-2017

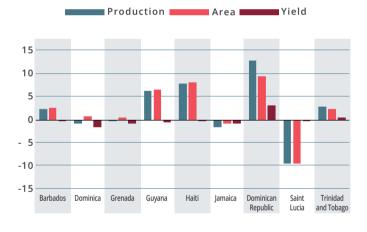




DMA 0.4 BRB GRD 0.7

1.6

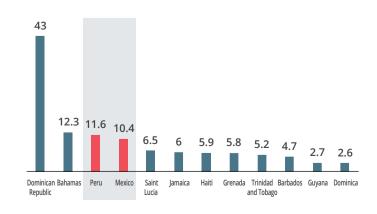




#### THE WORLD'S TOP 10 AVOCADO PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	Mexico	1854	33.1
2	Dominican Republic	588	10.5
3	Peru	430	7.7
4	Indonesia	350	6.2
5	Colombia	306	5.5
6	Brazil	197	3.5
7	Kenia	169	3.0
8	United States of America	155	2.8
9	Chile	141	2.5
10	Venezuela	131	2.3

Source: Prepared based on FAO 2019.





#### USD 34 000 000

Value of Caribbean Region's avocado exports, 2015-2017



#### USD 2 000 000

Value of Caribbean Region's avocado imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

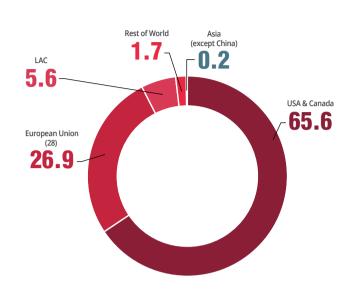


Average annual growth of avocado exports in Caribbean Region, 2015-2017

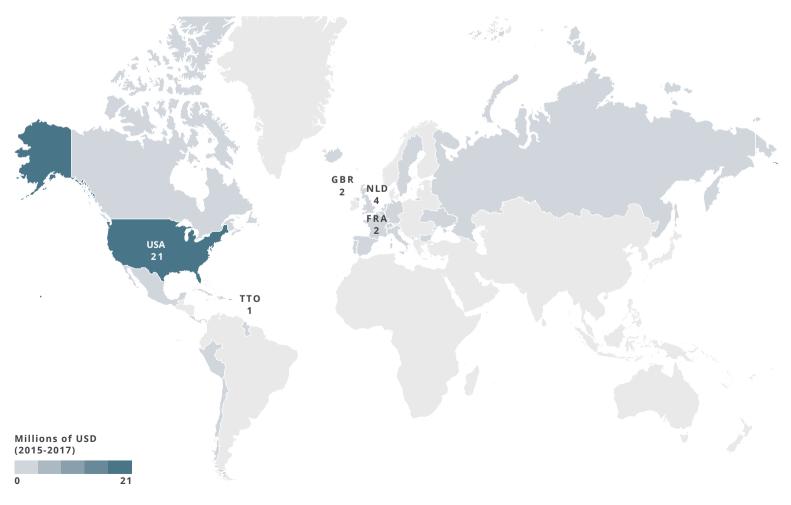


Caribbean Region's share of global avocado exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



#### AVOCADO EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



#### CARIBBEAN Region



Millions of tonnes of rice produced in

the region, 2015-2017



Thousands of hectares harvested. 2015-2017



Tonnes per hectare. 2015-2017

#### DISTRIBUTION OF RICE PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)





Average annual

growth of production in the region, 2008-2017

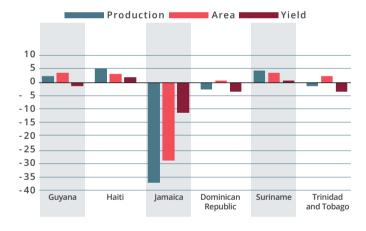


Caribbean Region's share of world production, 2015-2017



617.4

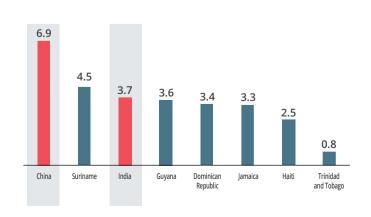
#### VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



#### THE WORLD'S TOP 10 RICE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	China	214	28.2
2	India	163	21.5
3	Indonesia	79	10.4
4	Bangladesh	50	6.7
5	Vietnam	44	5.8
6	Thailand	29	3.9
7	Myanmar	26	3.4
8	Filipinas	18	2.4
9	Brazil	12	1.6
10	Pakistan	11	1.4

Source: Prepared based on FAO 2019.





#### USD 213 000 000

Value of Caribbean Region's rice exports, 2015-2017



#### USD 326 000 000

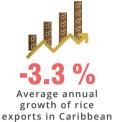
Value of Caribbean Region's rice imports, 2015-2017



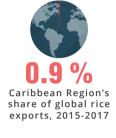
Trade balance (dollars exported for every dollar imported, 2015-2017)

# Rest of World 1.8 European Union (28) 30.8

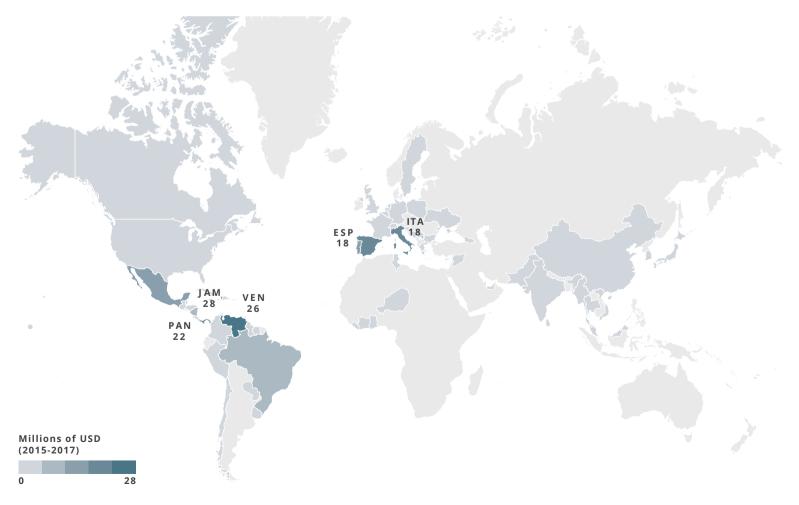
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



Region, 2015-2017



#### RICE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# Region

# CARIBBEAN CANE SUGAR



Millions of tonnes of sugarcane produced in the region, 2015-2017



Thousands of hectares harvested. 2015-2017



Tonnes per hectare. 2015-2017

#### DISTRIBUTION OF SUGARCANE PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)





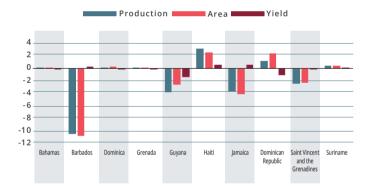
Average annual growth of production in the region, 2008-2017



Caribbean Region's share of world production, 2015-2017



VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

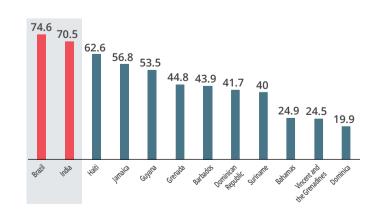




#### THE WORLD'S TOP 10 SUGARCANE-PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Brazil	759	40.9
2	India	339	18.2
3	China	105	5.7
4	Thailand	96	5.2
5	Pakistan	68	3.7
6	Mexico	56	3.0
7	Colombia	35	1.9
8	Australia	34	1.9
9	Guatemala	34	1.8
10	United States of America	30	1.6

Source: Prepared based on FAO 2019.





#### USD 220 000 000

Value of Caribbean Region's cane sugar exports, 2015-2017



#### USD 243 000 000

Value of Caribbean Region's cane sugar imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

# Rest of World (except China) 1.1 USA & Canada 50.8

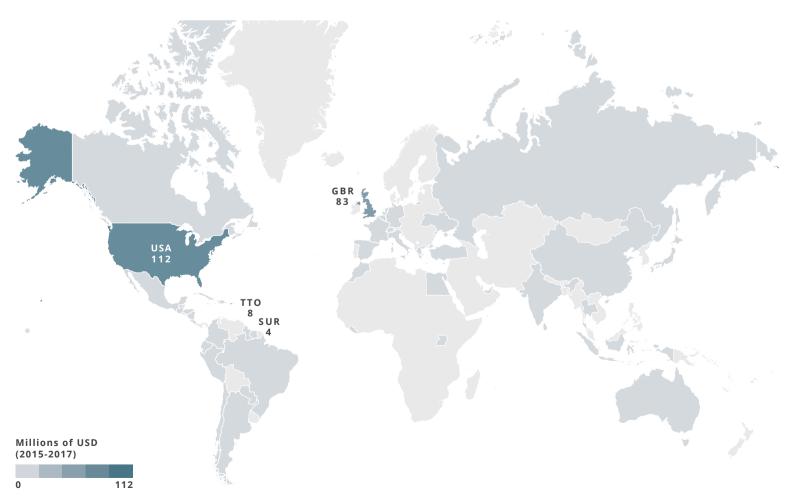
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



Average annual growth of cane sugar exports in Caribbean Region, 2015-2017



#### CANE SUGAR EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# Region

# CARIBBEAN BANAS



Millions of tonnes of bananas produced in the region, 2015-2017



Thousands of hectares harvested. 2015-2017



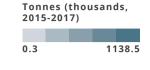
Tonnes per hectare, 2015-2017

#### DISTRIBUTION OF BANANA PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



BHS

11.6

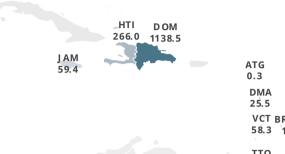




Average annual growth of production in the region, 2008-2017



Caribbean Region's share of world production, 2015-2017



VCT BRB 58.3 1

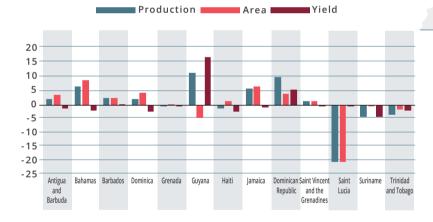
TIO 3.3

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62.5

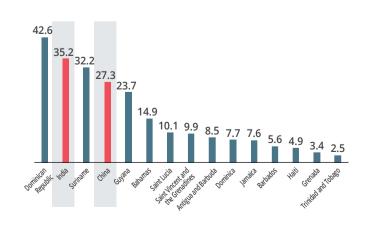


#### VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

#### THE WORLD'S TOP 10 BANANA PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	India	30	26.0
2	China	11	9.8
3	Indonesia	8	6.9
4	Brazil	7	5.9
5	Ecuador	7	5.9
6	Filipinas	6	5.2
7	Angola	4	3.4
8	Guatemala	4	3.4
9	Colombia	4	3.3
10	United Rep. of	4	3.1

Source: Prepared based on FAO 2019.





### USD 238 000 000

Value of Caribbean Region's banana exports, 2015-2017



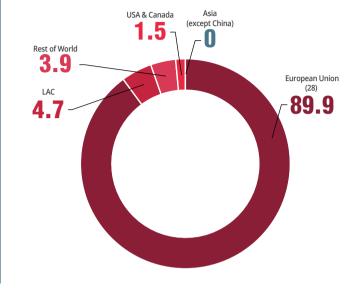
### USD 13 000 000

Value of Caribbean Region's banana imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

# d



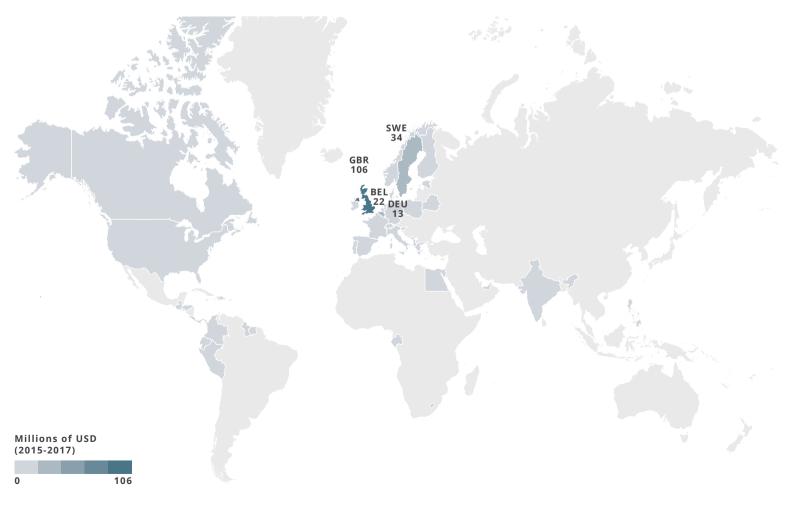
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

# -3.8 %

Average annual growth of banana exports in Caribbean Region, 2015-2017



### BANANA EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# Region

# CARIBBEAN COCOA BEANS



Thousands of tonnes of cocoa beans produced in the region,

2015-2017



Thousands of hectares harvested. 2015-2017



Tonnes per hectare. 2015-2017

### DISTRIBUTION OF COCOA BEAN PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)





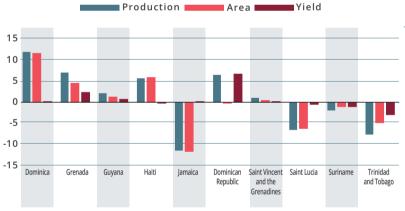
Average annual growth of production in the region, 2008-2017



Caribbean Region's share of world production, 2015-2017



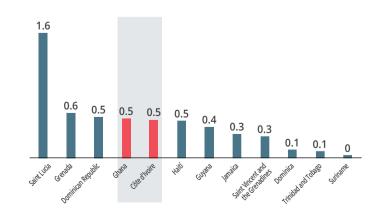
### VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



### THE WORLD'S TOP 10 COCOA BEAN PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	Côte d'Ivoire	1821	37.3
2	Ghana	867	17.8
3	Indonesia	637	13.0
4	Nigeria	309	6.3
5	Cameroon	286	5.9
6	Brazil	243	5.0
7	Ecuador	188	3.8
8	Peru	107	2.2
9	Dominican Republic	81	1.7
10	Colombia	56	1.1

Source: Prepared based on FAO 2019.





### USD 218 000 000

Value of Caribbean Region's cocoa bean exports, 2015-2017



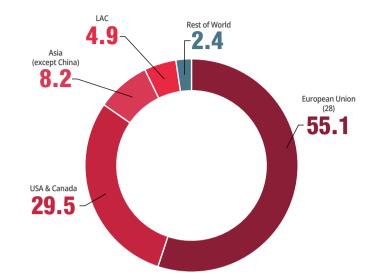
### **USD 131 000**

Value of Caribbean Region's cocoa bean imports, 2015-2017



**2435** 

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

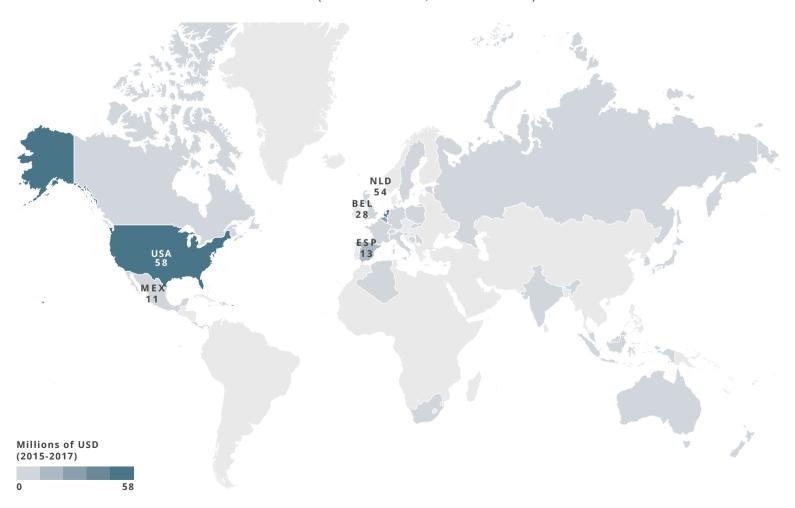


Average annual growth of cocoa bean exports in Caribbean Region, 2015-2017



Caribbean Region's share of global cocoa bean exports, 2015-2017

### COCOA BEAN EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **CENTRAL** Region

# PALM OIL



5.3

Millions of tonnes of oil palm fruit produced in the

region, 2015-2017



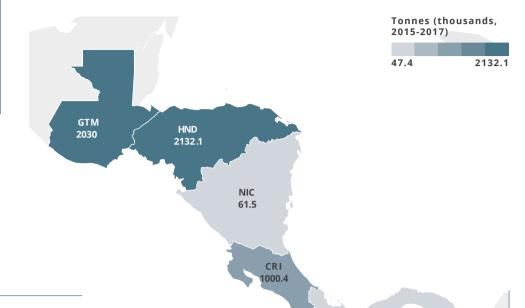
399
Thousands of hectares harvested.

2015-2017



Tonnes per hectare, 2015-2017

# DISTRIBUTION OF OIL PALM FRUIT PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



THE STATE OF THE S

**5.6** %

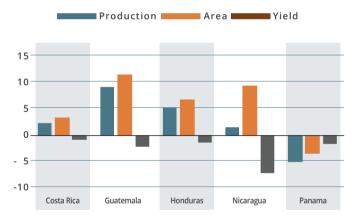
Average annual growth of production in the region, 2008-2017



Central Region's share of world production,

2015-2017

VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

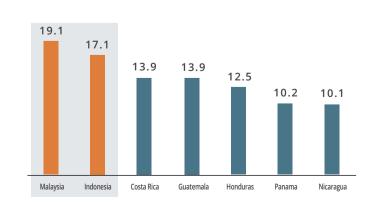


# THE WORLD'S TOP 10 OIL PALM FRUIT PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Indonesia	155	50.7
2	Malaysia	95	31.3
3	Thailand	13	4.1
4	Nigeria	8	2.6
5	Colombia	6	1.9
6	Ecuador	4	1.2
7	Cameroon	3	1.0
8	Ghana	2	0.8
9	Papua New Guinea	2	0.8
10	Honduras	2	0.7

Source: Prepared based on FAO 2019.

### **YIELD (TONNES PER HECTARE, 2015-2017)**



PAN

47.4



### USD 787 000 000

Value of Central Region's palm oil exports, 2015-2017



### USD 205 000 000

Value of Central Region's palm oil imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

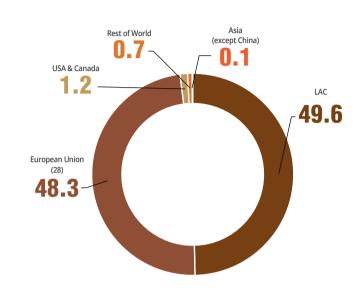


Average annual growth of palm oil exports in Central Region, 2015-2017



Central Region's share of global palm oil exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### PALM OIL EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### CENTRAL Region

# BANANAS



Millions of tonnes of **bananas** produced in the region, 2015-2017



Thousands of hectares

harvested,

2015-2017



Tonnes per hectare, 2015-2017

### DISTRIBUTION OF BANANA PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



3820

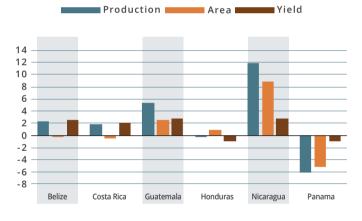
Average annual growth of production in the region, 2008-2017



Central Region's share of world production,

2015-2017

VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

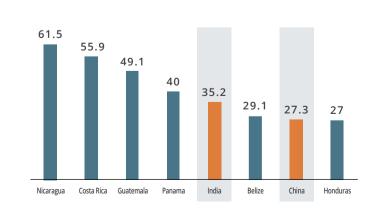


### THE WORLD'S TOP 10 BANANA PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	India	30	26.0
2	China	11	9.8
3	Indonesia	8	6.9
4	Brazil	7	5.9
5	Ecuador	7	5.9
6	Philippines	6	5.2
7	Angola	4	3.4
8	Guatemala	4	3.4
9	Colombia	4	3.3
10	United Rep. of Tanzania	4	3.1

Source: Prepared based on FAO 2019.

### **YIELD (TONNES PER HECTARE, 2015-2017)**



297



### USD 2 178 000 000

Value of Central Region's banana exports, 2015-2017



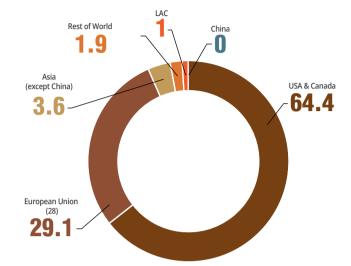
### USD 24 000 000

Value of Central Region's banana imports, 2015-2017



92

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

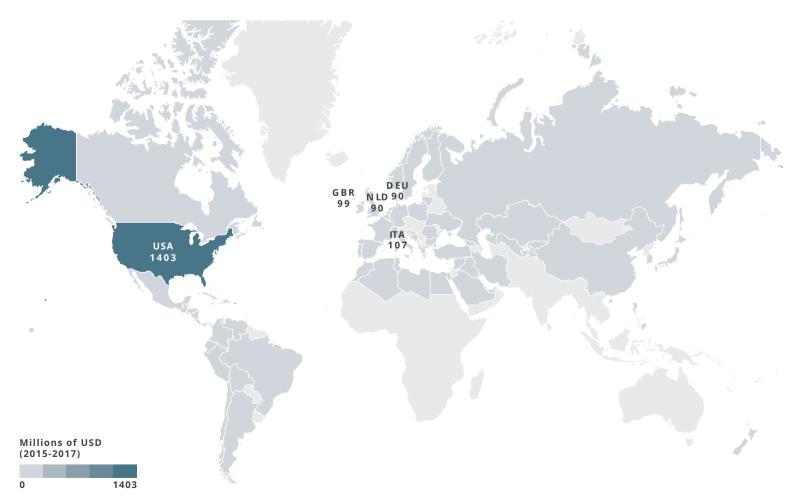


exports in Central

Region, 2015-2017



### BANANA EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **CENTRAL** Region

# COFFEE



Millions of tonnes of coffee produced in the region, 2015-2017



Thousands of hectares harvested, 2015-2017



Tonnes per hectare, 2015-2017

# DISTRIBUTION OF COFFEE PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



89.3

PAN

NIC 115.3



2.2 %

Average annual growth of production in the region, 2008-2017

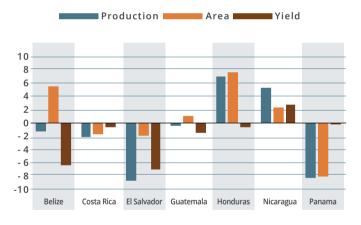


**9.6** % Central Region's share of world

production,

2015-2017

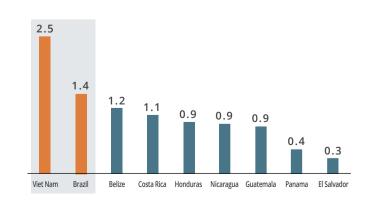
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 COFFEE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	Brazil	2782	30.5
2	Viet Nam	1485	16.3
3	Colombia	800	8.8
4	Indonesia	649	7.1
5	Ethiopia	466	5.1
6	Honduras	390	4.3
7	India	329	3.6
8	Peru	292	3.2
9	Guatemala	236	2.6
10	Uganda	211	2.3

Source: Prepared based on FAO 2019.





### USD 2 610 000 000

Value of Central Region's coffee exports, 2015-2017



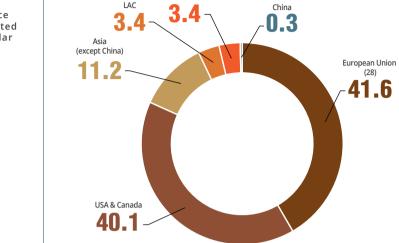
### USD 32 000 000

Value of Central Region's coffee imports, 2015-2017



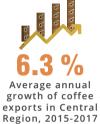
83

Trade balance (dollars exported for every dollar imported, 2015-2017)



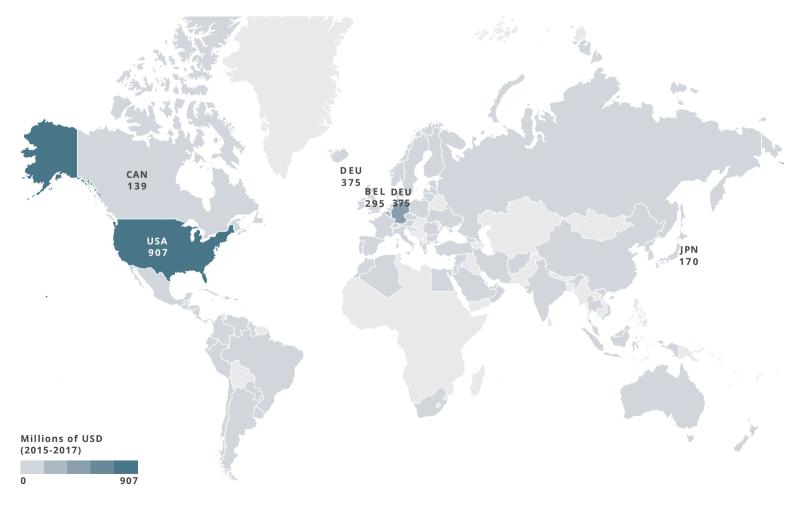
Rest of World

DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)





### COFFEE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### CENTRAL Region

# **ELONS**



Millions

of tonnes of melons produced in the region, 2015-2017



Thousands of hectares harvested. 2015-2017



Tonnes per hectare, 2015-2017

### DISTRIBUTION OF MELON PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)

SLV 0.8



CRI 156.4

**PAN** 

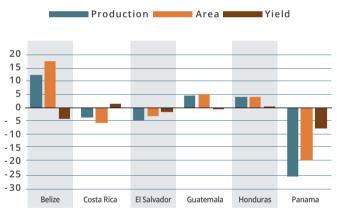


Average annual growth of production in the region, 2008-2017



Central Region's share of world production, 2015-2017

VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND

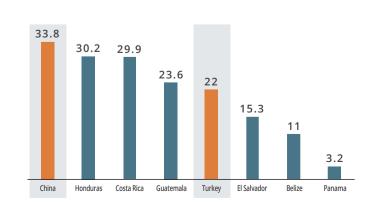


# YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

### THE WORLD'S TOP 10 MELON PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	China	16 262	52.3
2	Turkey	1796	5.8
3	Iran	1519	4.9
4	Egypt	1065	3.4
5	India	1025	3.3
6	Kazakhstan	895	2.9
7	United States of America	808	2.6
8	Spain	666	2.1
9	Italy	611	2.0
10	Guatemala	599	1.9

Source: Prepared based on FAO 2019.





### USD 278 000 000

Value of Central Region's melon exports, 2015-2017



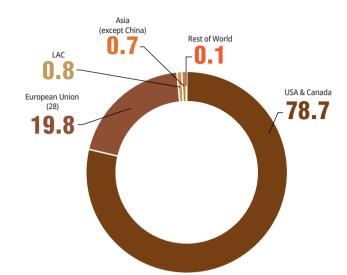
### **USD 2 000 000**

Value of Central Region's melon imports, 2015-2017

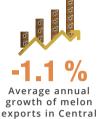


### 126

Trade balance (dollars exported for every dollar imported, 2015-2017)



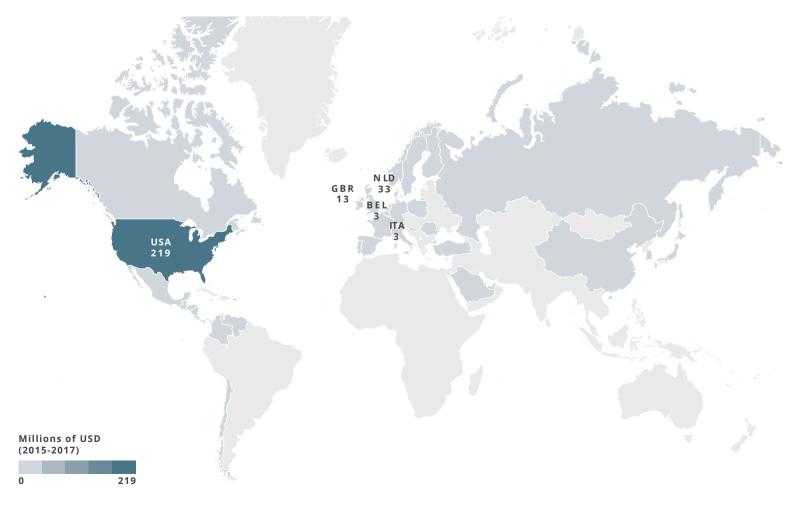
DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



Region, 2015-2017



### MELON EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### CENTRAL Region

# **EAPPLES**



Millions of tonnes of pineapples produced in the region, 2015-2017



Thousands of hectares harvested. 2015-2017



Tonnes per hectare, 2015-2017

### DISTRIBUTION OF PINEAPPI F PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)

SLV 4.2



CRI 2919.6

PAN

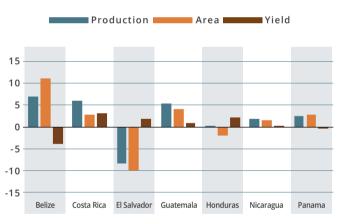
NIC



Average annual growth of production in the region, 2008-2017



Central Region's share of world production, 2015-2017

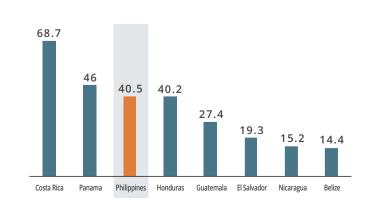


### VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	Costa Rica	2920	11.0
2	Philippines	2622	9.9
3	Brazil	2534	9.5
4	China	2066	7.8
5	India	1923	7.2
6	Thailand	1878	7.1
7	Indonesia	1641	6.2
8	Nigeria	1573	5.9
9	Colombia	949	3.6
10	Mexico	887	3.3

Source: Prepared based on FAO 2019.





### USD 954 000 000

Value of Central Region's pineapple exports, 2015-2017



### **USD 7 000 000**

Value of Central Region's pineapple imports, 2015-2017

Average annual growth of pineapple exports in Central

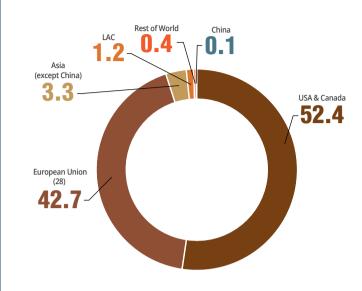
Region, 2015-2017



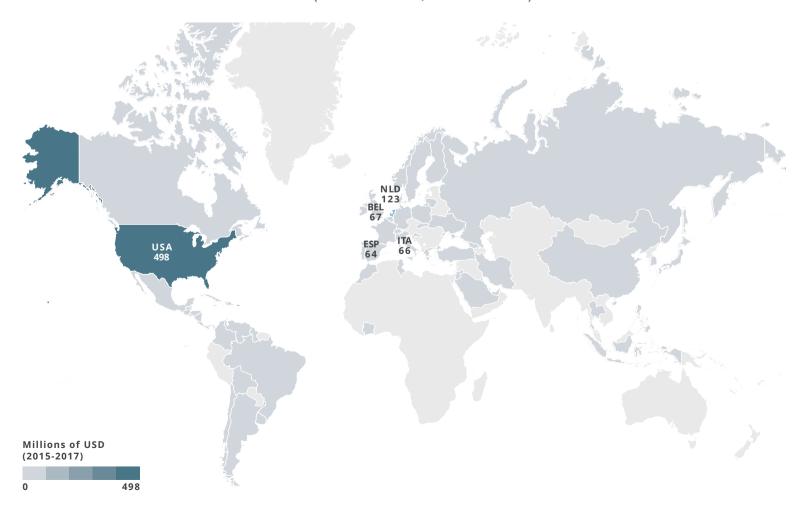
Trade balance (dollars exported for every dollar imported, 2015-2017)



# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### PINEAPPLE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### NORTHERN Region

# **ALMONDS**



954.1

Millions of tonnes of almonds

produced in

the region, 2015-2017

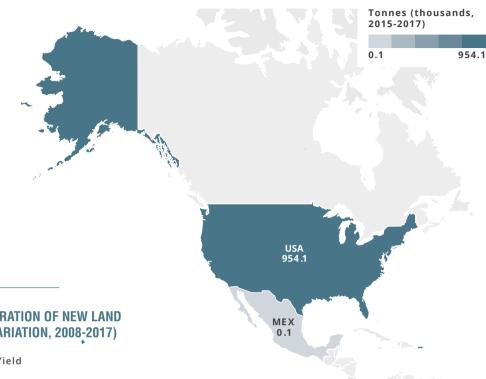


Thousands of hectares harvested, 2015-2017



Z.5 Tonnes per hectare, 2015-2017

# DISTRIBUTION OF ALMOND PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



TELL

3.4 % Average annual

growth of production in the region, 2008-2017



44.6 %

Northern Region's share of world production, 2015-2017

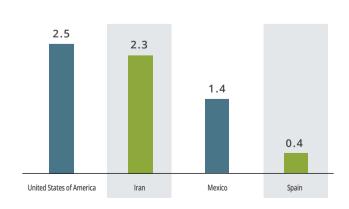
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 ALMOND PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, thousands of tonnes per year)	Share of global production (2015-2017)
1	United States of America	954	44.7
2	Spain	222	10.4
3	Iran	127	5.9
4	Morocco	109	5.1
5	Turkey	85	4.0
6	Italia	75	3.5
7	Australia	71	3.3
8	Syria	69	3.2
9	Algeria	68	3.2
10	Tunisia	66	3.1

Source: Prepared based on FAO 2019.





### USD 4 458 000 000

Value of Northern Region's almond exports, 2015-2017



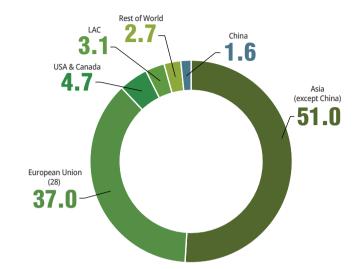
### USD 380 000 000

Value of Northern Region's almond imports, 2015-2017



12

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

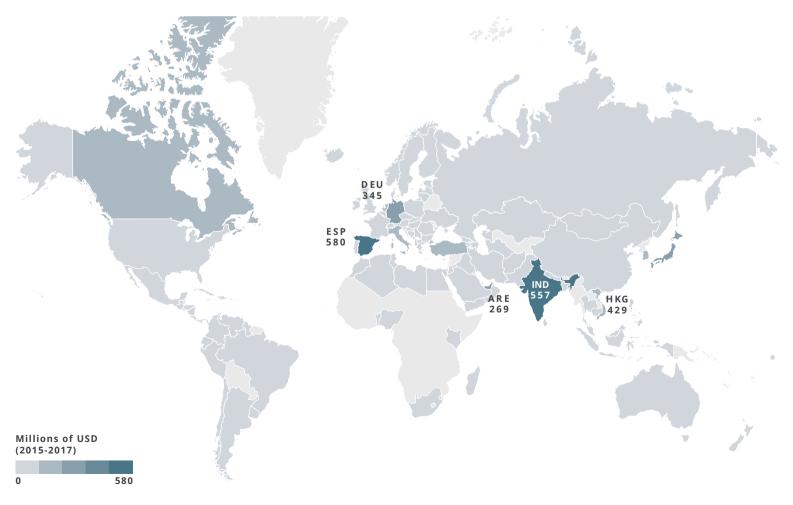


Average annual growth of almond exports in Northern Region, 2015-2017



Northern Region's share of global almond exports, 2015-2017

### ALMOND EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### **NORTHERN** Region

# RAPESEED



Millions of



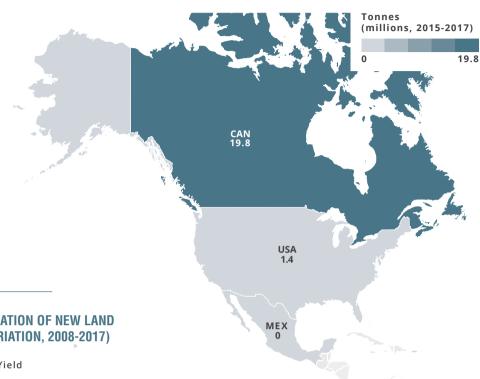


Millions of hectares harvested, 2015-2017



Tonnes per hectare, 2015-2017

### DISTRIBUTION OF RAPESEED PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)

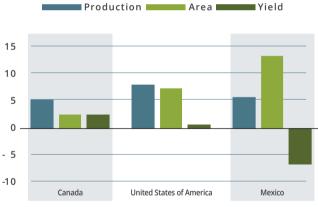


Average annual growth of production in the region, 2008-2017



Northern Region's share of world production, 2015-2017

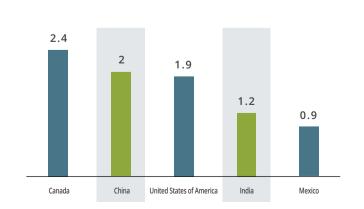
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



### THE WORLD'S TOP 10 RAPESEED PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Canada	20	27.6
2	China	13	18.8
3	India	7	9.8
4	France	5	7.1
5	Germany	5	6.5
6	Australia	4	5.0
7	Poland	3	3.6
8	United Kingdom	2	3.0
9	Ukraine	2	2.4
10	United States of America	1	1.9

Source: Prepared based on FAO 2019.





### USD 4 509 000 000

Value of Northern Region's rapeseed exports, 2015-2017



### USD 1 006 000 000

Value of Northern Region's rapeseed imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

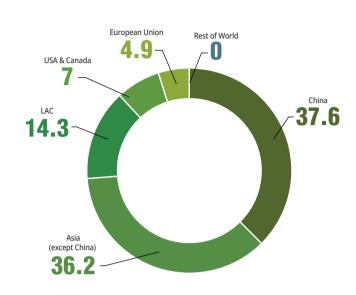


Average annual growth of rapeseed exports in Northern Region, 2015-2017

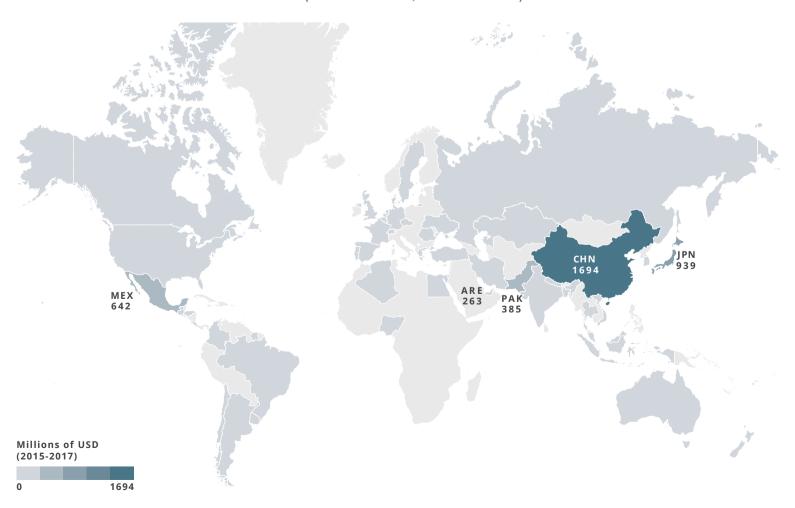


Northern Region's share of global rapeseed exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### RAPESEED EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### NORTHERN Region

# **MAIZE**



407.9

Millions of tonnes of maize produced in the region, 2015-2017



42

Millions of hectares harvested, 2015-2017



9.6 Tonnes per hectare, 2015-2017

# DISTRIBUTION OF MAIZE PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



THE STATE OF THE S

1.9 %

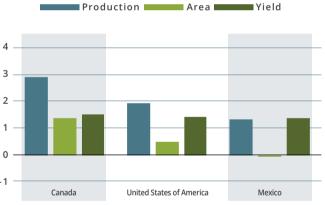
Average annual growth of production in the region, 2008-2017



**37.2** %

Northern Region's share of world production, 2015-2017

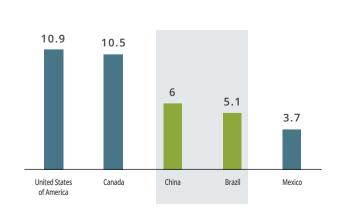
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 MAIZE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	United States of America	367	33.5
2	China	263	24.0
3	Brazil	82	7.5
4	Argentina	41	3.7
5	Mexico	27	2.5
6	India	26	2.3
7	Ukraine	25	2.3
8	Indonesia	24	2.2
9	Russia	14	1.3
10	Canada	14	1.3

Source: Prepared based on FAO 2019.





### USD 10 175 000 000

Value of Northern Region's maize exports, 2015-2017



### USD 3 514 000 000

Value of Northern Region's maize imports, 2015-2017



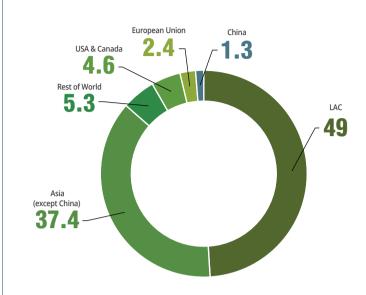
Trade balance (dollars exported for every dollar imported, 2015-2017)



2015-2017



# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### MAIZE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### NORTHERN Region

# SOYBEANS



121.8

Millions of tonnes of soybeans produced in the region, 2015-2017



37
Millions of hectares harvested,

2015-2017



3.3 Tonnes per hectare, 2015-2017

# DISTRIBUTION OF SOYBEAN PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



TIT

4.2 %

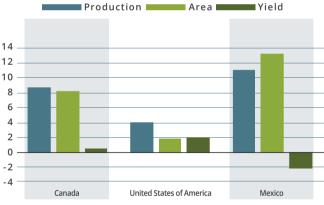
Average annual growth of production in the region, 2008-2017



36.1

Northern Region's share of world production, 2015-2017

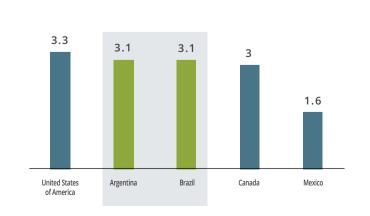
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 SOYBEAN PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	United States of America	114	34.0
2	Brazil	103	30.5
3	Argentina	58	17.3
4	China	13	3.7
5	India	11	3.2
6	Paraguay	9	2.8
7	Canada	7	2.1
8	Ukraine	4	1.2
9	Russia	3	0.9
10	Bolivia	3	0.9

Source: Prepared based on FAO 2019.





### USD 22 998 000 000

Value of Northern Region's soybean exports, 2015-2017



### USD 2 275 000 000

Value of Northern Region's soybean imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

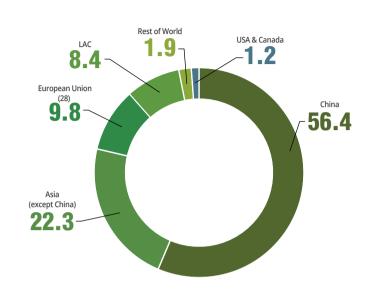
# 4.1 %

Average annual growth of soybean exports in Northern Region, 2015-2017

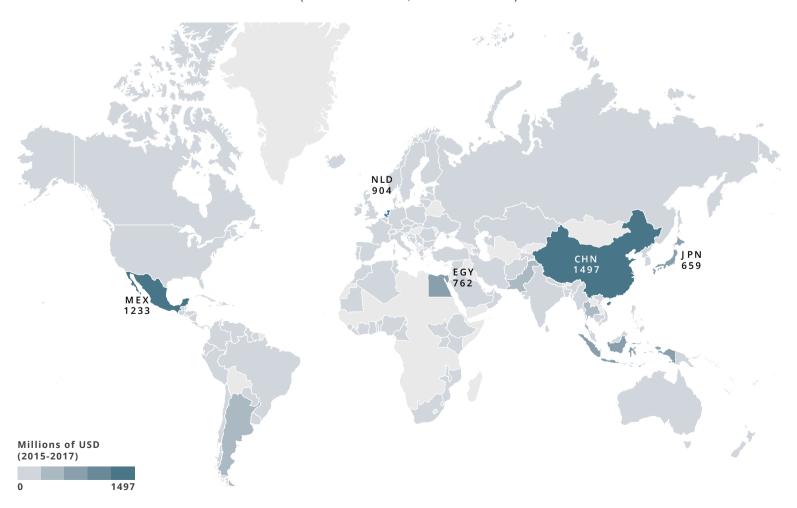


Northern Region's share of global soybean exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### SOYBEAN EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### NORTHERN Region

# WHEAT



92.3

Millions of tonnes of wheat produced in the region, 2015-2017



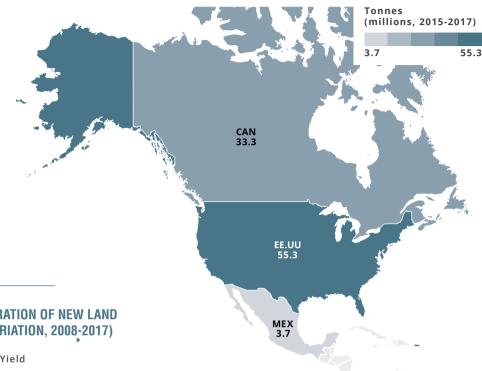
27

Millions of hectares harvested, 2015-2017



3.4 Tonnes per hectare, 2015-2017

# DISTRIBUTION OF WHEAT PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



TIL

**-2.2** %

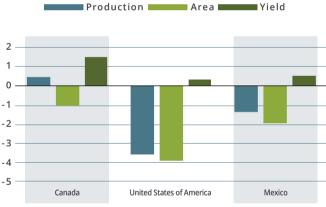
Average annual growth of production in the region, 2008-2017



12.2 %

Northern Region's share of world production, 2015-2017

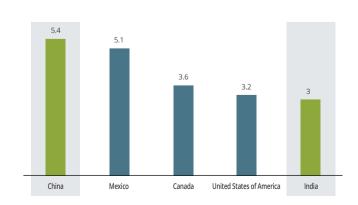
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 WHEAT PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	China	133	17.6
2	India	92	12.2
3	Russia	74	9.7
4	United States of America	55	7.3
5	France	36	4.8
6	Canada	33	4.4
7	Ukraine	26	3.5
8	Australia	26	3.4
9	Pakistan	26	3.4
10	Germany	25	3.3

Source: Prepared based on FAO 2019.





### USD 11 258 000 000

Value of Northern Region's wheat exports, 2015-2017



### USD 1 707 000 000

Value of Northern Region's wheat imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

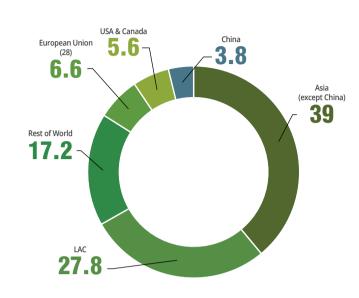


Average annual growth of wheat exports in Northern Region, 2015-2017

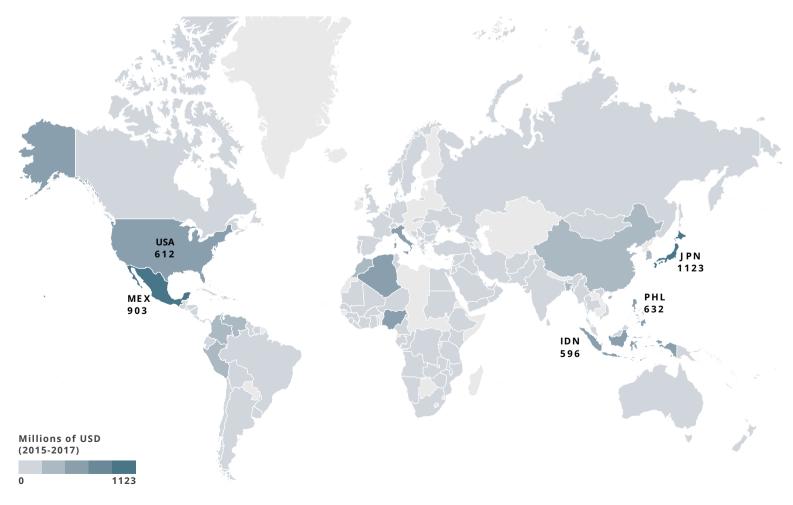


29.5% Northern Region's share of global wheat exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### WHEAT EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **SOUTHERN** Region

# **CANE SUGAR**



785
Millions of tonnes of sugarcane produced in the region, 2015-2017



Millions of hectares harvested, 2015-2017

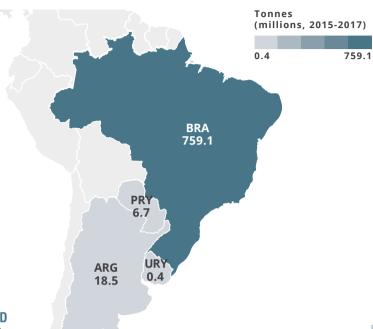


Tonnes per hectare, 2015-2017

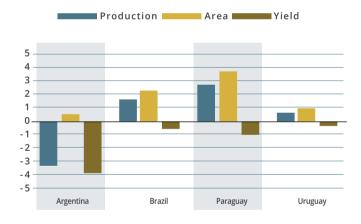
# DISTRIBUTION OF SUGARCANE PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



Average annual growth of production in the region, 2008-2017 Southern Region's share of world production, 2015-2017



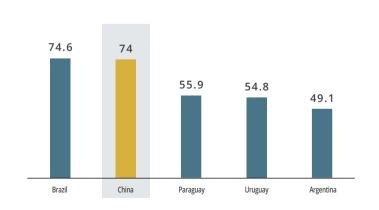
# VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 SUGARCANE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Brazil	759.1	40.9
2	India	339.0	18.2
3	China	105.4	5.7
4	Thailand	95.7	5.2
5	Pakistan	68.1	3.7
6	Mexico	56.3	3.0
7	Colombia	35.2	1.9
8	Australia	34.4	1.9
9	Guatemala	33.7	1.8
10	United States of America	29.5	1.6

Source: Prepared based on FAO 2019.





### USD 10 050 000 000

Value of Southern Region's cane sugar exports, 2015-2017



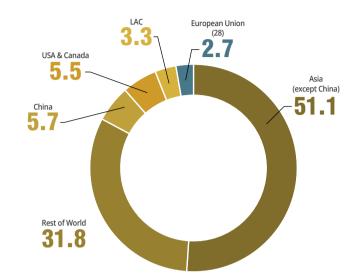
### USD 267 000 000

Value of Southern Region's cane sugar imports, 2015-2017

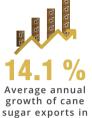


### 38

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

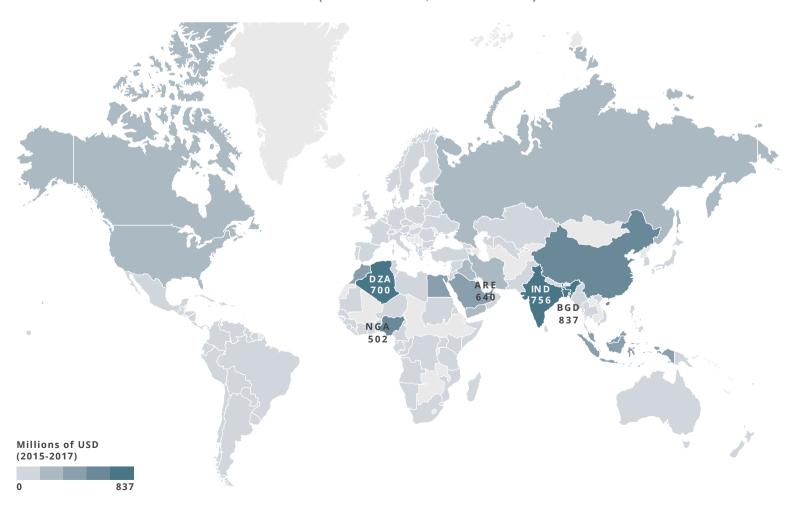


Southern Region,

2015-2017



### CANE SUGAR EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **SOUTHERN** Region

# COFFEE



3 Millions of tonnes of coffee

region, 2008-2017



Millions of hectares harvested, 2015-2017



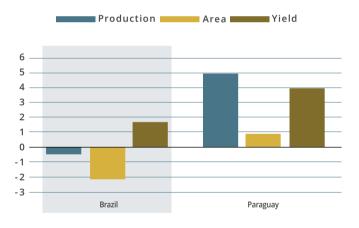
Tonnes per hectare, 2015-2017

# DISTRIBUTION OF COFFEE PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

2015-2017

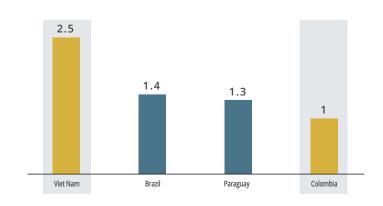




# THE WORLD'S TOP 10 COFFEE PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	Brazil	2.8	30.5
2	Viet Nam	1.5	16.3
3	Colombia	0.8	8.8
4	Indonesia	0.6	7.1
5	Ethiopia	0.5	5.1
6	Honduras	0.4	4.3
7	India	0.3	3.6
8	Peru	0.3	3.2
9	Guatemala	0.2	2.6
10	Uganda	0.2	2.3

Source: Prepared based on FAO 2019.





### USD 5 013 000 000

Value of Southern Region's coffee exports, 2015-2017



### USD 223 000 000

Value of Southern Region's coffee imports, 2015-2017



23

Trade balance (dollars exported for every dollar imported, 2015-2017)

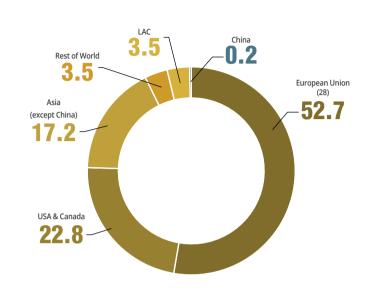


Average annual growth of coffee exports in Southern Region, 2015-2017

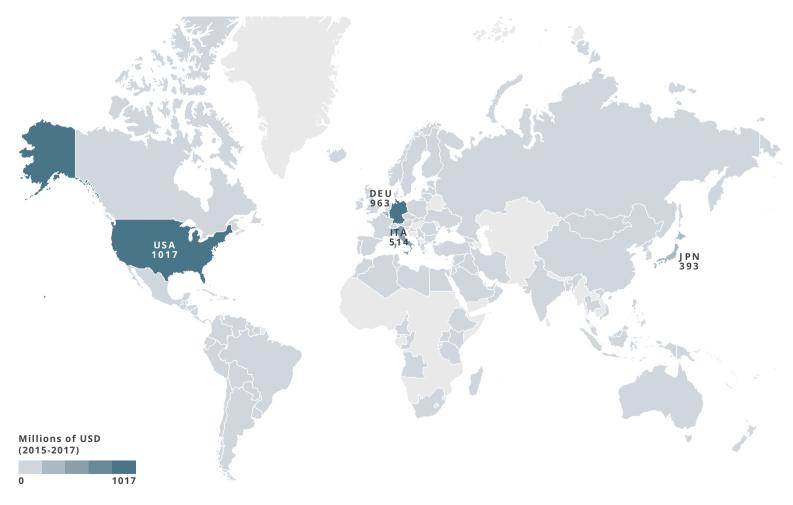


Southern Region's share of global coffee exports, 2015-2017

# DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



### COFFEE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



### SOUTHERN Region



Millions of tonnes of maize produced in the region, 2015-2017



Millions of hectares harvested, 2015-2017



Tonnes per hectare, 2015-2017

### DISTRIBUTION OF MAIZE PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)

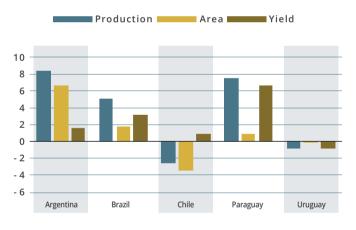


Average annual growth of production in the region, 2008-2017



Southern Region's share of world production, 2015-2017

### **VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW** LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)

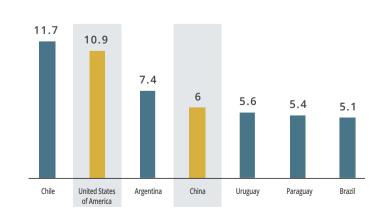




### THE WORLD'S TOP 10 MAIZE PRODUCING COUNTRIES (2015-2017) (2015-2017)

Rank	Country	Production (2015-2017, millions of tonnes per year)	Share of global production (2015- 2017)
1	United States of America	367.1	33.5
2	China	262.7	24.0
3	Brazil	82.4	7.5
4	Argentina	41.0	3.7
5	Mexico	26.9	2.5
6	India	25.7	2.3
7	Ukraine	25.4	2.3
8	Indonesia	23.7	2.2
9	Russia	13.9	1.3
10	Canada	13.9	1.3

Source: Prepared based on FAO 2019.





### USD 8 622 000 000

Value of Southern Region's maize exports, 2015-2017



### USD 657 000 000

Value of Southern Region's maize imports, 2015-2017



Trade balance (dollars exported for every dollar imported, 2015-2017)

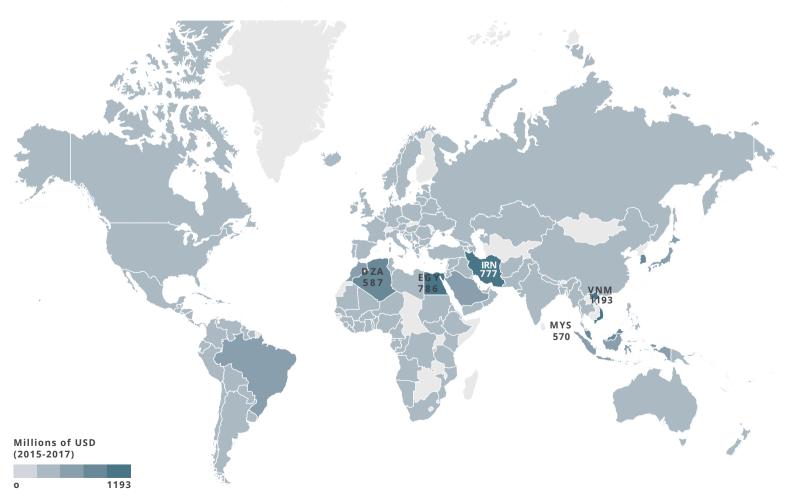
# European Union (28) 5.6 0.3 Asia (except China) 57.5 Rest of World 24

DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)





### MAIZE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **SOUTHERN** Region

# SOYBEANS



173
Millions of tonnes of soybeans produced in

the region, 2015-2017

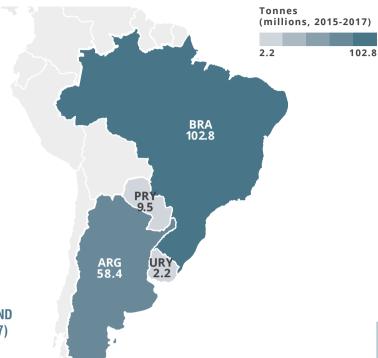


56.5 Millions of hectares harvested, 2015-2017



Tonnes per hectare, 2015-2017

# DISTRIBUTION OF SOYBEAN PRODUCTION IN THE REGION (PERIOD 2015-2017, MILLIONS OF TONNES PER YEAR)



TIT

4.8 %

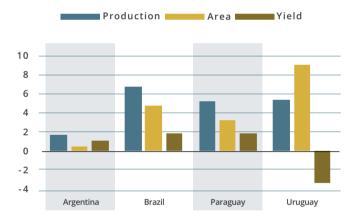
Average annual growth of production in the region, 2008-2017



51.3%

Southern Region's share of world production, 2015-2017

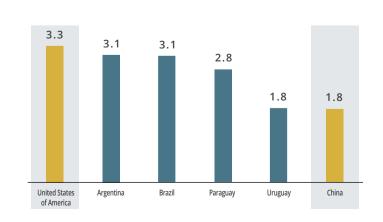
VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 SOYBEAN PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015- 2017)
1	United States of America	114.5	34.0
2	Brazil	102.8	30.5
3	Argentina	58.4	17.3
4	China	12.6	3.7
5	India	10.9	3.2
6	Paraguay	9.5	2.8
7	Canada	6.9	2.1
8	Ukraine	4.0	1.2
9	Russia	3.2	0.9
10	Bolivia	3.1	0.9

Source: Prepared based on FAO 2019.





### USD 28 341 000 000

Value of Southern Region's soybean exports, 2015-2017



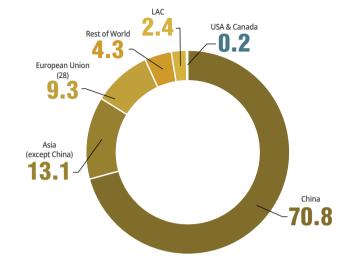
### USD 506 000 000

Value of Southern Region's soybean imports, 2015-2017



86

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

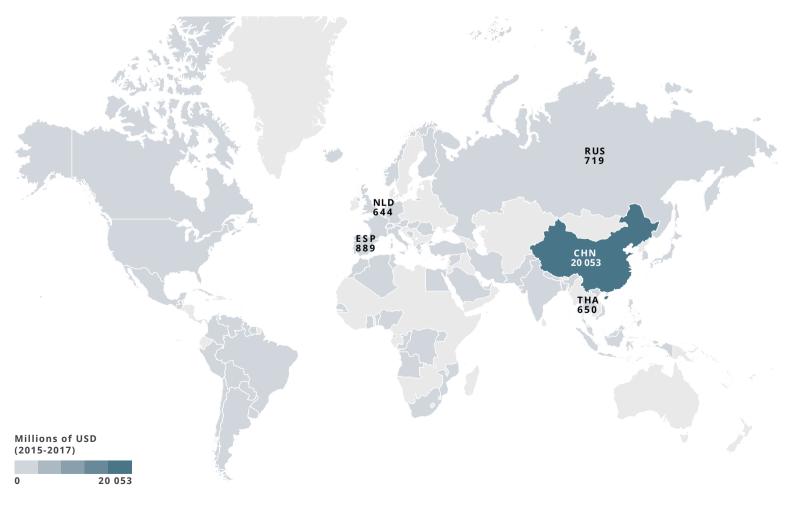


Average annual growth of soybean exports in Southern Region, 2015-2017



Southern Region's share of global soybean exports, 2015-2017

### SOYBEAN EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



# **SOUTHERN** Region

# **GRAPES**



5.9
Millions
of tonnes
of grapes
produced in
the region,

2015-2017



Millions of hectares harvested, 2015-2017



Tonnes per hectare, 2015-2017

# DISTRIBUTION OF GRAPE PRODUCTION IN THE REGION (PERIOD 2015-2017, THOUSANDS OF TONNES PER YEAR)



ARG

2046.4

97.8

Tonnes (thousands,

2300



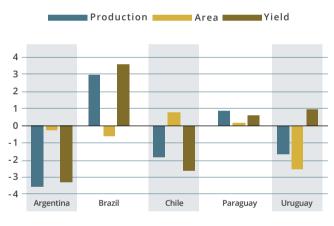
Average annual growth of production in the region, 2008-2017



7.9 % outhern Regio

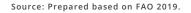
Southern Region's share of world production, 2015-2017

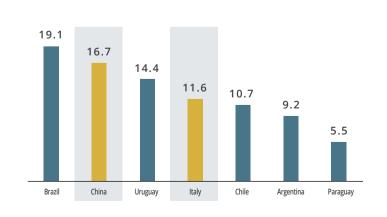
# VARIATION IN PRODUCTION DUE TO THE INCORPORATION OF NEW LAND AND YIELD (PERCENTAGE OF AVERAGE ANNUAL VARIATION, 2008-2017)



# THE WORLD'S TOP 10 GRAPE PRODUCING COUNTRIES YIELD (TONNES PER HECTARE, 2015-2017)

### Production (2015-Share of global 2017, thousands of Rank Country production (2015-2017) tonnes per year) 1 China 13 040 17.3 7762 10.3 2 Italy United States of 9.3 3 6956 America 4 France 6140 8.2 5 5712 7.6 Spain 5.3 Turkey 3950 6 India 2705 3.6 8 Chile 2300 3.1 9 Iran 2131 2.8 10 Argentina 2046 2.7





(2015-2017)



### USD 1 408 000 000

Value of Southern Region's grape exports, 2015-2017



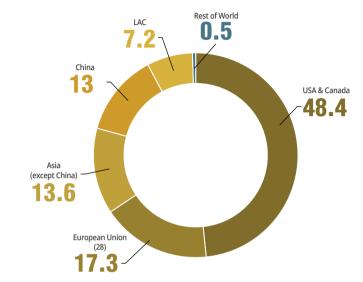
### USD 51 000 000

Value of Southern Region's grape imports, 2015-2017



28

Trade balance (dollars exported for every dollar imported, 2015-2017)



DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)

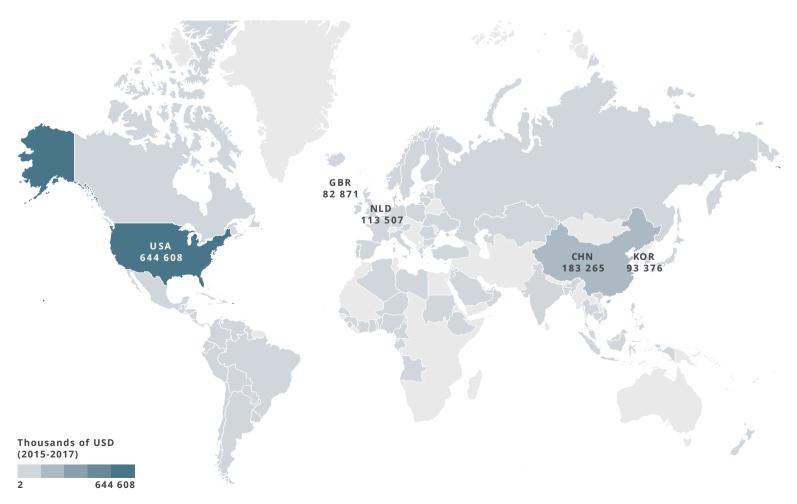


Average annual growth of grape exports in Southern Region, 2015-2017



Southern Region's share of global grape exports, 2015-2017

### GRAPE EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, THOUSANDS OF USD)





# **SECTION 3**

LIVESTOCK & DAIRY PRODUCTS

# DAIRY PRODUCT MARKET IN LAC



**79**Million tonnes of milk produced in LAC, 2015-2017



10 % LAC share of world milk production, 2015-2017



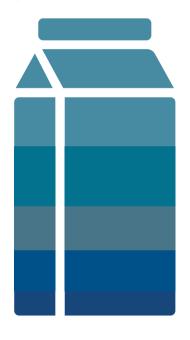
0.8 %

Annual growth in milk production in LAC, 2008-2017



countries account for 80% of LAC milk production (2015-2017)

DISTRIBUTION OF MILK PRODUCTION IN THE REGION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



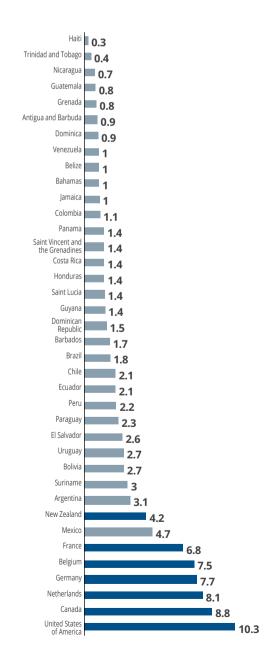


# THE WORLD'S TOP 10 MILK PRODUCING COUNTRIES (2015-2017)

Rank	Country	Production (2015- 2017, millions of tonnes per year)	Share of global production (2015-2017)
1	India	166	20.4
2	United States of America	96	11.8
3	Pakistan	43	5.3
4	China	35	4.3
5	Brazil	34	4.2
6	Germany	33	4.0
7	Russia	31	3.8
8	France	26	3.1
9	New Zealand	22	2.7
10	Turkey	19	2.4

Source: Prepared based on FAO 2019.

### YIELD (TONNES OF MILK/HEAD/YEAR)





**2 320 000 000** 

Value of LAC dairy exports, 2015-2017



**67** %

of LAC dairy exports go to intraregional markets (2017)



3.3 %

LAC share of global dairy exports, 2015-2017

### THE LAC'S TOP 10 DAIRY EXPORTING COUNTRIES (2015-2017)

Rank	Country	Exports (millions of USD, 2015-2017)	Share of LAC dairy exports (2015-2017)
1	Argentina	693	29.9
2	Uruguay	586	25.2
3	Brazil	188	8.1
4	Mexico	184	7.9
5	Nicaragua	180	7.8
6	Costa Rica	123	5.3
7	Chile	119	5.1
8	Peru	105	4.5
9	Bolivia	28	1.2
10	Honduras	27	1.2

## DISTRIBUTION OF LAC DAIRY EXPORTS BY TYPE OF PRODUCT (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



**56.6** Milk and cream, concentrated or containing added sugar

**24.2** Cheese and curd

**6.3** Butter and ghee

**5.2** Whey

**5.5** Milk and cream, not concentrated nor containing added sugar

**2.2** Buttermilk, curdled milk and cream, yogurt and other

## DISTRIBUTION OF EXPORTS BY REGION OF DESTINATION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



**66.6** LAC

11\_8 Asia (except China)

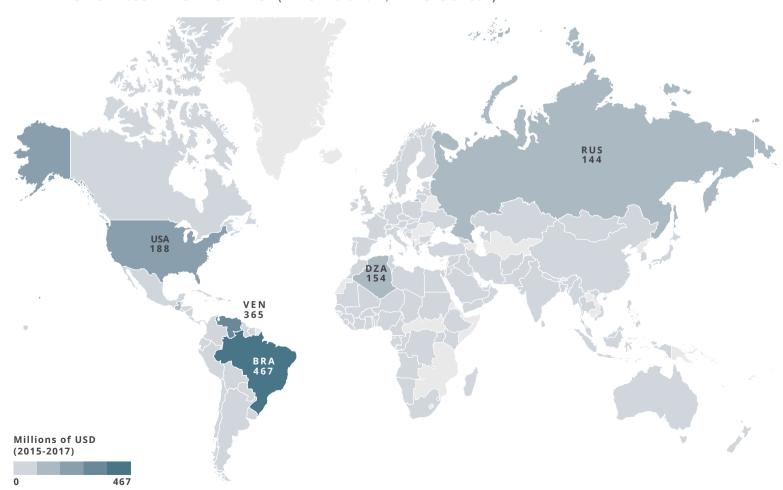
11.3 Rest of World

**8.2** USA & Canada

2 China

\_\_\_\_\_\_\_European Union (28)

## DAIRY EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



Source: Prepared based on ITC 2019 and UN 2019.

# **MEAT PRODUCT MARKET IN LAC**



Million tonnes of meat produced in LAC, 2015-2017



16 % LAC share of world meat production, 2015-2017



Annual growth in meat production in LAC, 2008-2017



2.8 %
Annual growth in poultry meat production in LAC, 2008-2017

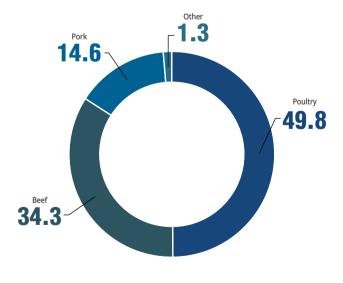


2.4 %
Annual growth
in pork meat
production in LAC,
2008-2017

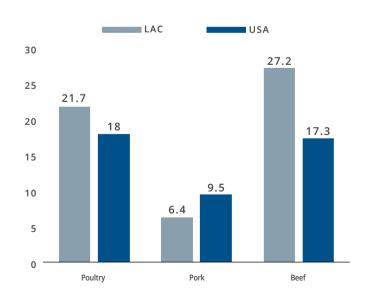


0.3 %
Annual growth
in beef meat
production in LAC,
2008-2017

# MEAT PRODUCTION BY MEAT TYPE (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



# SHARE OF WORLD PRODUCTION (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



Source: Prepared based on FAO 2019.



20 792 000 000

Value of LAC meat exports, 2015-2017



**17.8** %

LAC share of global meat exports, 2015-2017



25.7%

LAC share of global poultry meat exports, 2015-2017

## DISTRIBUTION OF MEAT EXPORTS BY MEAT TYPE (PERIOD 2015-2017, EXPRESSED IN PERCENTAGES)



**33.8** Meat and edible offal of fowls

**32** Meat of bovine animals, frozen

16.4 Meat of bovine animals, fresh or chilled

10.5 Meat of swine, fresh, chilled or frozen

**7.3** Other

**DISTRIBUTION OF EXPORTS BY** 

2015-2017. EXPRESSED IN

**PERCENTAGES**)

**REGION OF DESTINATION (PERIOD** 

47 Asia (except China)

**12.9** China

**12.4** LAC

**9\_9** European Union (28)

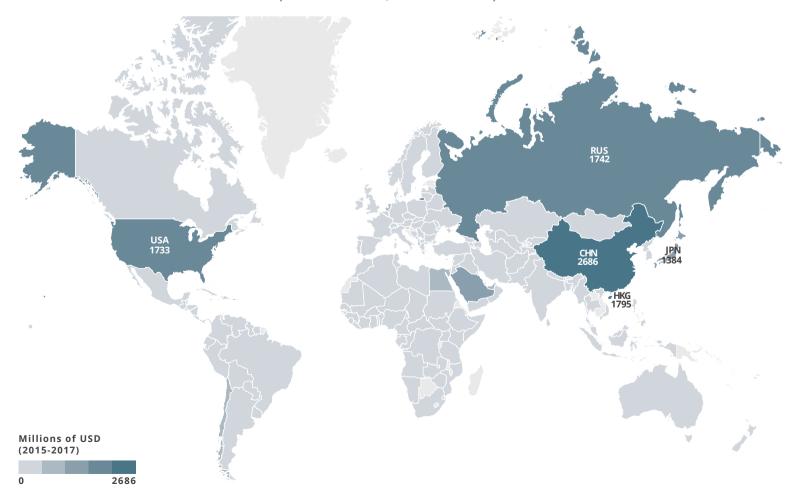
Rest of World

8\_9 USA & Canada

## THE LAC'S TOP 10 MEAT EXPORTING COUNTRIES (2015-2017)

Rank	Country	Exports (millions of USD, 2015-2017)	Share of LAC meat exports (2015-2017)
1	Brazil	13 229	63.6
2	Mexico	1632	7.8
3	Uruguay	1624	7.8
4	Argentina	1556	7.5
5	Paraguay	1184	5.7
6	Chile	883	4.2
7	Nicaragua	478	2.3
8	Costa Rica	78	0.4
9	Colombia	51	0.2
10	Panama	18	0.1

## MEAT EXPORTS BY COUNTRY OF DESTINATION (PERIOD 2015-2017, MILLIONS OF USD)



Source: Prepared based on ITC 2019 and UN 2019.



# **REFERENCES**

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AVA	Agricultural value added	
EU (28)	European Union (28 countries)	
GDP	Gross domestic product	
GHG	Greenhouse gas	
LAC	Latin America and the Caribbean	
PFP	Partial factor productivity	
TFP	Total factor productivity	
USD	United States dollar	

# HARMONIZED SYSTEM CODE

Section	Product	Code
	Almonds	080211, 080212
	Avocados	080440
	Bananas	0803
	Cane sugar	170111, 170113, 170114, 170191, 170199
	Cocoa beans	1801, 1802
	Coffee	0901
	Grapes	080610
Crops	Maize	1005
	Melons	080719
	Palm oil	1511
	Pineapples	080430
	Rape	1205
	Rice	1006
	Soya beans	1201
	Wheat	1001
	Beef	0201, 0202
	Pork	0203
	Meat of sheep or goats	0204
	Meat of horses, asses, mules	0205
Meat	Edible offal of bovine animals, swine, sheep, goats	0206
	Poultry	0207
	Meat and edible offal of rabbits and other animals	0208
	Pig fat, free of lean meat, and poultry fat	0209
	Meat and edible offal, salted, in brine, dried or smoked	0210
	Milk and cream, not concentrated nor containing added sugar	0401
	Milk and cream, concentrated or containing added sugar	0402
Dairy products	Buttermilk, curdled milk and cream, yogurt and other	0403
	Whey	0404
	Butter and ghee	0405
	Cheese and curd	0406

# LIST OF COUNTRIES OF THE AMERICAS

ISO 3 Code	Country	Region
ARG	Argentina	Southern
ATG	Antigua and Barbuda	Caribbean
BHS	Bahamas	Caribbean
BLZ	Belize	Central
BOL	Bolivia	Andean
BRA	Brazil	Southern
BRB	Barbados	Caribbean
CAN	Canada	Northern
CHL	Chile	Southern
COL	Colombia	Andean
CRI	Costa Rica	Central
DMA	Dominica	Caribbean
DOM	Dominican Republic	Caribbean
ECU	Ecuador	Andean
GRD	Grenada	Caribbean
GTM	Guatemala	Central
GUY	Guyana	Caribbean
HND	Honduras	Central
НТІ	Haiti	Caribbean
JAM	Jamaica	Caribbean
KNA	Saint Kitts and Nevis	Caribbean
LCA	Saint Lucia	Caribbean
MEX	Mexico	Northern
NIC	Nicaragua	Central
PAN	Panama	Central
PER	Peru	Andean
PRY	Paraguay	Southern
SLV	El Salvador	Central
SUR	Suriname	Caribbean
тто	Trinidad and Tobago	Caribbean
URY	Uruguay	Southern
USA	United States of America	Northern
VCT	Saint Vincent and the Grenadines	Caribbean
VEN	Venezuela	Andean

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