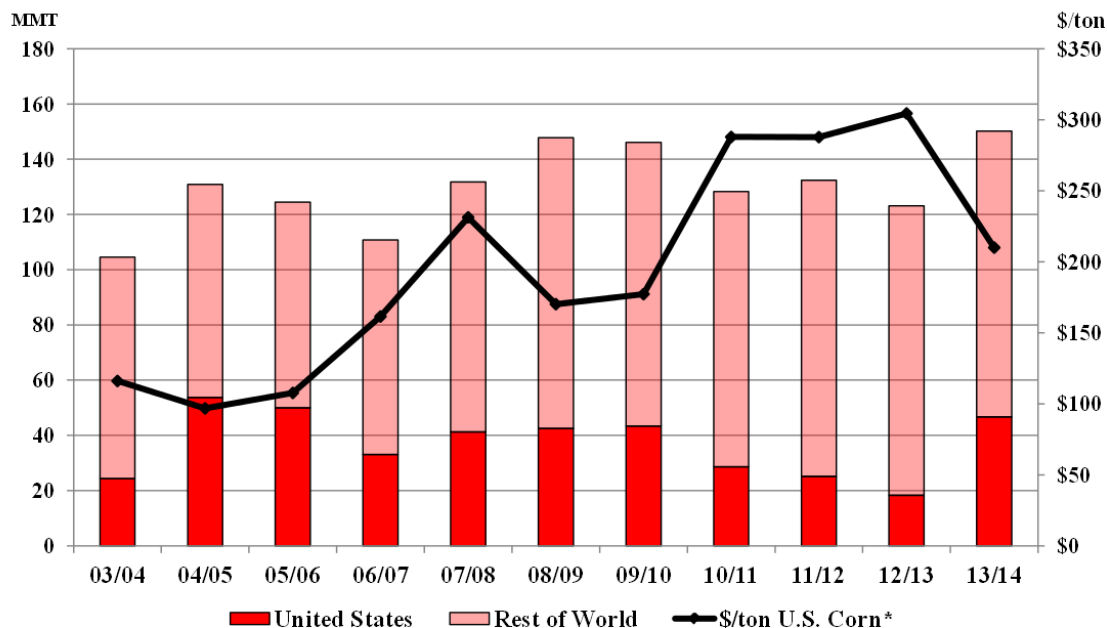




# Grain: World Markets and Trade

## Global Corn Stocks Surge, Prices Plummet



\*Annual average of monthly U.S. Gulf corn prices. 2012/13 includes average of prices through July. Price for 2013/14 based on forward export quotations.

Global corn stocks in 2013/14 are projected to rise to the highest level in over a decade as record and near-record crops are forecast for the United States and other exporter countries. This would be the largest year-over-year surge in global stocks since the rebuilding following the 1995/96 global shortfall. The forecast rebound is entirely attributed to the United States, where prospects for a record crop would more than double stocks.

As a consequence of projected record global supplies, new-crop corn prices are currently significantly lower than last year at this time, when drought in the United States drove prices to new highs. The price drop is expected to stimulate record global consumption and import demand. However, falling prices are likely to impact planting decisions in the Southern Hemisphere in the coming months as producers reassess their relative profit margins for alternative crops.

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The Foreign Agricultural Service (FAS) updates its production, supply and distribution database for cotton, oilseeds, and grains at 12:00 p.m. on the day the World Agricultural Supply and Demand Estimates (WASDE) report is released. It is available on the FAS website (<http://www.fas.usda.gov/psdonline/>). This circular is released at 12:30 p.m. on the same day, together with its downloadable data set.



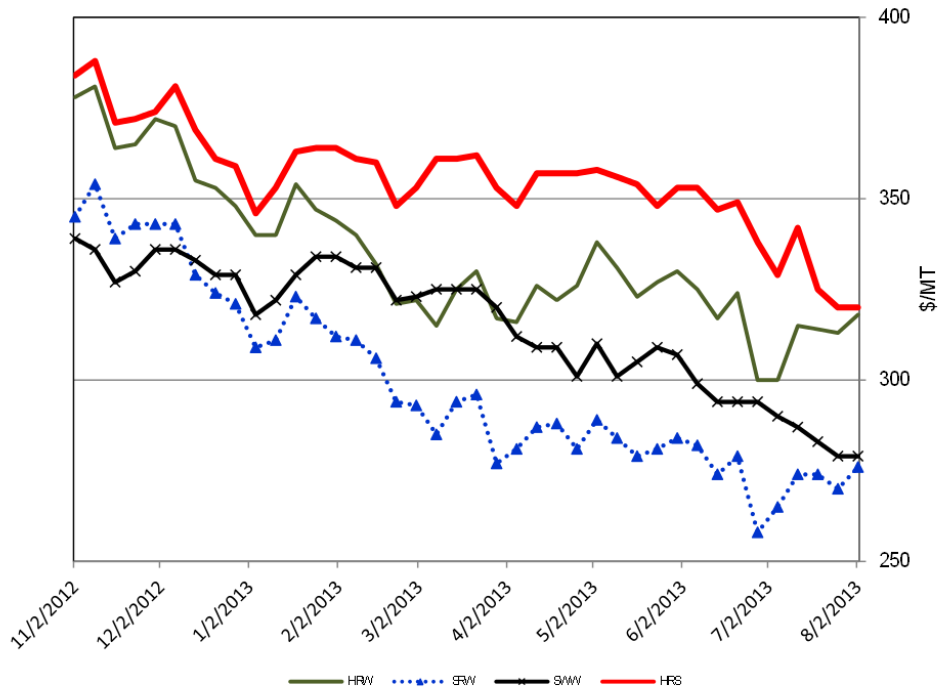
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## WHEAT: WORLD MARKETS AND TRADE

### OVERVIEW

Global production for 2013/14 is projected at a record. Trade is boosted by strong import demand in the Middle East and China. U.S. exports are up slightly this month, supported by increased opportunities in South America and China. The season-average U.S. farm price is lowered because of huge global supplies of both corn and wheat. For 2012/13, global trade and U.S. exports were raised slightly.

U.S. Weekly FOB Export Bids



### PRICES:

**Domestic:** Over the past month, both Hard Red Winter (HRW) and Soft Red Winter (SRW) prices jumped, driven primarily by strong export sales. HRW rose \$18 to \$318/ton and SRW went up \$11 to \$276/ton. Hard Red Spring (HRS) dropped \$9 to \$320/ton and Soft White Wheat (SWW) shed \$9 to \$279/ton.

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Grain: World Markets and Trade, August 2013

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## TRADE CHANGES IN 2013/14

### Selected Exporters

- **Argentina** is cut 1.0 million tons to 5.0 million on lower production.
- **Brazil** is halved to 500,000 tons on lower production and reduced competitiveness.
- **Canada** is up 500,000 tons to 20.0 million on higher production and opportunities for sales to South America.
- **EU** is raised 2.0 million tons to 22.0 million based on a larger crop and growing demand in the Middle East.
- **India** is slashed 2.0 million tons to 5.0 million based on reduced competitiveness vis-à-vis Black Sea prices.
- **Kazakhstan** is boosted 2.0 million tons to 9.0 million supported by larger production and expanding demand in the Middle East.
- **Pakistan** is cut 300,000 tons to 500,000 as a result of diminished competitiveness.
- **Turkey** is up 300,000 tons to 3.5 million on growing demand for their flour.
- **Ukraine** is raised 2.0 million tons to 10.0 million on larger production and strong sales.
- **United States** is up 500,000 tons to 30.0 million supported by robust sales and shipments to South America and China.

### Selected Importers

- **China** is up 1.0 million tons to 9.5 million on reported purchases.
- **EU** is lowered 500,000 tons to 5.0 million with a larger crop.
- **Iran** is boosted 1.5 million tons to 4.0 million as the pace of recent purchases is expected to continue.
- **Pakistan** is up 500,000 tons to 900,000 because of tight supplies and high domestic prices.
- **Syria** is raised 500,000 tons to 1.1 million in view of recent Government tenders.
- **Turkey** is up 500,000 tons to 3.5 million on account of larger exportable supplies in the Black Sea Region.

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Grain: World Markets and Trade, August 2013

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## TRADE CHANGES IN 2012/13

### Selected Exporters - based on trade data

- **India** is raised 300,000 tons to 8.3 million tons.
- **United States** is raised 295,000 tons to 27.7 million.
- **Uruguay** is lowered 300,000 tons to 900,000.

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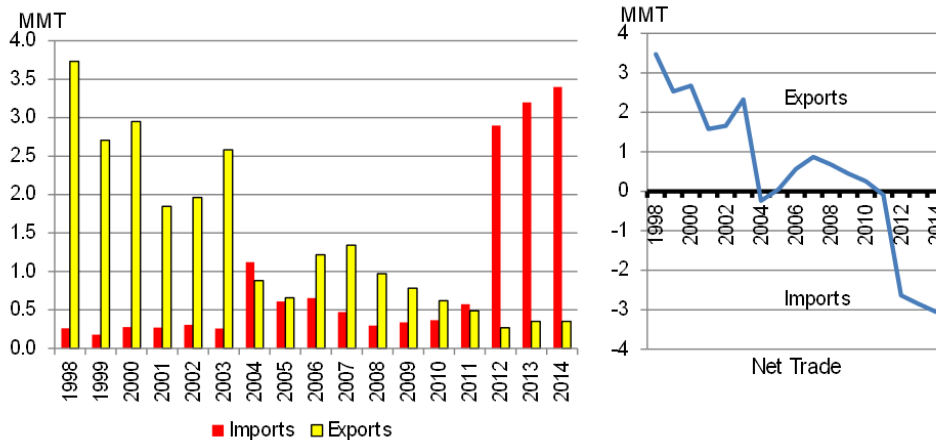
## RICE: WORLD MARKETS AND TRADE

### OVERVIEW

Global production for 2013/14 is down marginally from last month, but is still a record and remains higher than consumption. Stocks are ample, particularly in major exporting countries. Trade is up on account of stronger import demand from China and Africa. Exports are up for India, Pakistan, and Vietnam. U.S. production is up slightly, resulting in a lower season-average farm price.

### FEATURE

#### China's Transition from Exporter to Importer



China has historically been the world's largest producer and consumer of rice. However, its role in global trade has varied significantly recently, transitioning from major exporter to minor player to major importer. In 1998, China was the fourth-largest exporter, supplying 14 percent of global trade. Surplus production was shipped to Asian and African countries in attempts to cut stocks, strengthen domestic prices, and earn foreign exchange.

Now, despite near-record production and ample domestic supplies, China is the world's largest importer, accounting for over 7 percent of global trade. Prices from neighboring countries are lower than government-supported domestic prices, thus creating an incentive to import. China has a Tariff Rate Quota (TRQ) for 5.0 million tons.

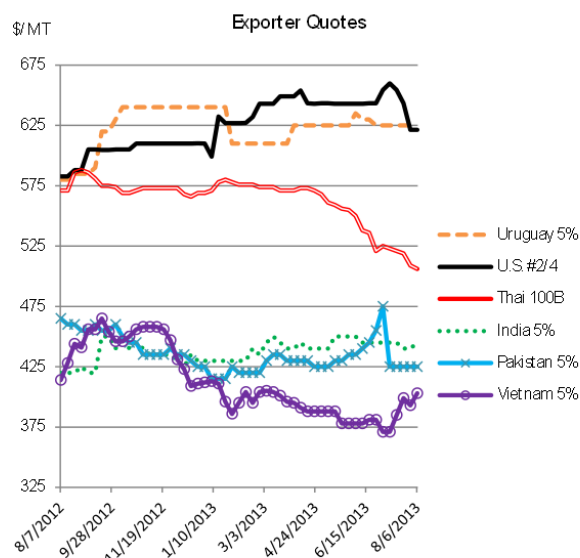
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Grain: World Markets and Trade, August 2013

## PRICES

Over the past month, Thai export quotes have continued to decline, as more of its massive stocks became available. U.S. quotes have also fallen, with the harvest beginning in some parts of the country. Quotes have remained relatively stable for Uruguay, Pakistan, and India. Meanwhile, Vietnamese quotes have escalated on account of government procurement efforts and the implementation of higher minimum export prices.

There is a wider range and more delineation between the various quotes than last year. Thai quotes have plunged in the direction of the other major Asian suppliers.



## TRADE CHANGES

### Selected Exporters

- **Argentina** is cut 100,000 tons to 525,000 in 2013 on smaller exportable supplies.
- **China** is down 100,000 tons to 350,000 in 2013 on the pace of shipments to date.
- **India** is up 700,000 tons to 9.7 million in 2013 and up 500,000 tons to 9.0 million in 2014 as exports continue at a rapid pace and India is expected to remain price competitive.
- **Pakistan** is up 100,000 tons to 3.1 million in 2014 on larger exportable supplies and new financing terms with Iran.
- **Vietnam** is up 100,000 tons to 7.8 million in 2014 on stronger expected demand from China.

Grain: World Markets and Trade, August 2013

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### Selected Importers

- **China** is boosted 200,000 tons to 3.2 million in 2013 and raised 400,000 tons to 3.4 million in 2014 on account of continued price disparity with neighboring countries.
- **Senegal** is raised 150,000 tons to 1.2 million in both 2013 and 2014 as strong imports are expected to continue, especially from India.



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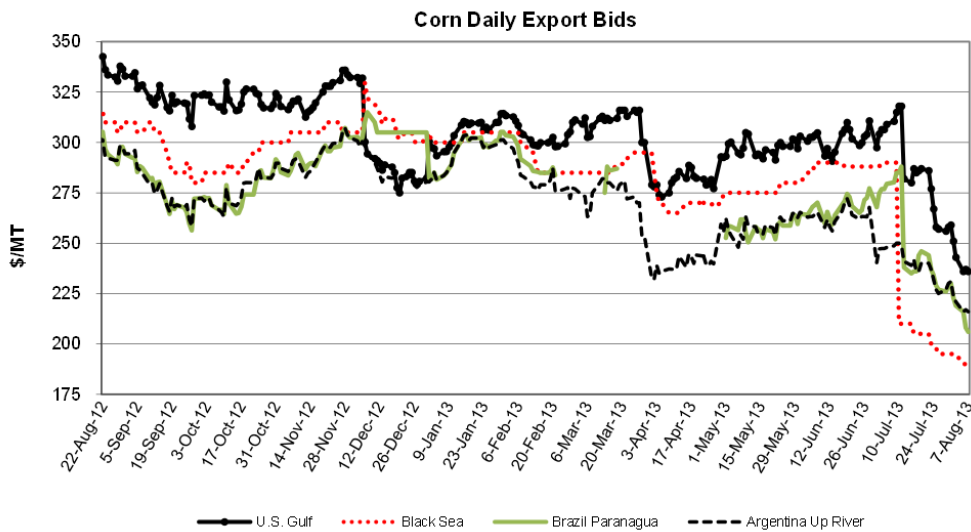
## COARSE GRAINS: WORLD MARKETS AND TRADE

### OVERVIEW

World corn production in 2013/14 is down as larger crops in Ukraine and India are more than offset by lower production in the United States, Mexico, EU, and Russia. Global trade is boosted to a record while the U.S. estimate is lowered because of reduced exportable supplies and competitor pressures. The U.S. season-average farm price is boosted slightly. For 2012/13, U.S. exports are unchanged; the season-average farm price is also unchanged.

### PRICES

Since the release of the June WASDE report, U.S. corn quotes have been in a freefall, dropping more than \$80/ton through the first week of August to \$236/ton, as favorable summer weather supports the development of a record crop. The premium against Argentine and Black Sea quotes has consequently shrunk by more than two-thirds and half, respectively. At the same time, Brazil's huge second-crop harvest is underway, causing prices to drop, thereby improving its competitiveness against Argentina. Ukraine is also poised for a record harvest and prices are plummeting.



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Grain: World Markets and Trade, August 2013



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## TRADE CHANGES IN 2013/14

### Selected Exporters

- **U.S. corn** is lowered 500,000 tons to 32.5 million on reduced exportable supplies.
- **Brazilian corn** is raised 2.0 million tons to 20.0 million on larger old-crop supplies.
- **EU corn** is cut 200,000 tons to 2.5 million and **Russian corn** is slashed 500,000 tons to 2.0 million due to smaller crops and stronger competition from Ukraine.
- **Ukrainian corn** is raised 1.5 million tons to 18.0 million on prospects for a record crop.
- **Argentine barley** is up 300,000 tons to 2.6 million on improved production prospects.
- **Canadian barley** is lowered 400,000 tons to 1.2 million due to reduced harvested area and strong competition from Europe and Argentina.
- **EU barley** is raised 500,000 tons to 4.3 million on a larger crop, restoring its position as the world's largest barley exporter.

### Selected Importers

- **Egyptian corn** is up 300,000 tons to 5.2 million based on higher feed use.
- **EU corn** is raised 500,000 tons to 7.5 million because of a smaller crop and ample Ukrainian supplies.
- **Mexican corn** is raised 1.5 million tons to 8.0 million based on a smaller crop.
- **South Korean corn** is raised 700,000 tons to 8.9 million on expanding feed demand.
- **Turkish corn** is lowered 200,000 tons to 500,000 on improved domestic supplies.
- **Algerian barley** is doubled to 400,000 tons based on the pace of purchases.
- **Chinese sorghum** is doubled to a record 400,000 tons on trade reports of purchases.

## TRADE CHANGES IN 2012/13

### Selected Exporters

- **Argentine corn** is raised 1.5 million tons to 23.5 million due to a record export pace.

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Grain: World Markets and Trade, August 2013

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- **EU corn** is boosted 200,000 tons to 1.7 million reflecting late-season export licenses.
  - **Argentine barley** is lowered 300,000 tons to 3.7 million on account of smaller-than-expected old-crop supplies and the pace of shipments to date.

#### **Selected Importers**

- **U.S. corn** is boosted 200,000 tons to 4.2 million on continued imports for feed use (**Canadian exports** are raised 200,000 tons to 1.6 million).
- **Egyptian** and **South Korean corn** are boosted 500,000 tons each to 4.5 and 8.5 million, respectively, based on trade data.
- **EU, Indonesian, and Turkish corn** are boosted 300,000 tons each on stronger-than-expected shipments.
- **Mexican corn** is slashed 1.0 million tons to 5.5 million and **Mexican sorghum** is cut 200,000 tons to 2.0 million on tight U.S. supplies (high prices) through late summer.
- **Venezuelan corn** is cut 200,000 tons to 2.3 million due to a slow pace of shipments.

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... 000000	1 000	0 0^1 0	0 000	0^0	0 0^0		0 0^0
... 0000000	1 0^0	0 00^0	1 0 000	1 0 0^0	1 0 00^0		0 1 00^0
... 0 00000	0 1 00	0 1 00	0 1 0x	0 00^0	0 000		0 000
..... 00000000	00 000	00 000	00 000	1 0 00^0	00 000		00 000
..... 0 0000 000000	00 000	00 1 00	0^0 1 0x	1 0 00^0	00 0^0		00 0^0
..... 0 0000 00000	1 1 0 000	1 1 0 000	1 00 0x 0	1 00 00^0	1 0x 000		1 00 000
00 00 00000							
... 000000	0 000	0 000	0 00x	0 1 1^0	0 01^0		0 01^0
... 000000	1 0^0	000	1 0x 1	1 1 0^0	1 0^0		1 0^0
... 00000	1 000	1 00x	1 000	1 000	1 000		1 000
... 00000	0 000	0 000	0 000	0 00^0	0 00^0		0 00^0
... 00000 000	0 1 0^0	0 1 00	0 1 0^0	0 000	0 000		0 000
... 00000	000	000	000	00^0	0^0		0^0
... 000 000000 000000000	1 0^0	000	1 0^0	1 1^0	1 0^0		1 0^0
... 000000	0 000	0 00^0	0 00^0	0 000	0 000		0 000
... 00000000 00000	0 000	0 000000 00000	0 000	1 1 000	0 00^0		0 00^0
... 000000000	1 00x	0 0^0x	1 000	0 0^0	0 0^0		0 0^0
... 00000	0 1^0	0 0^0	0 0^0	0 0^0	0 1^0		0 1^0
... 000000	1 000	1 000	1 00^0	1 0^0	1 00^0		1 00^0
... 000000	1 0 1 0^0	1 0 00^0	1 0 00^0	1 0 0x	1 0 000		1 0 000
... 000000	0 1 0	0 1 0	1 1 00	1 00^0	1 0^0		1 0^0
... 00000 00000	0 0^0	0 1 00	0 000	0 00^0	0 00^0		0 00^0
... 000000	1 000	000	000	00^0	00^0		00^0
... 0 0000000	0 1 0^0	0 0^0	0 0^0	0 1^0	0 0^0		0 0^0
... 0 00000	1 0^0	1 0^0	1 0 0x 0	0 0^0	1 0^0		1 1 00^0
... 0 000000	0 1 00	0 0^0	0 000	1 0^0	0 00^0		0 00^0
... 00000	1 000	0 0^0	1 000	0 0^0	0 00^0		0 00^0
... 0000000000	0 0^0	0 1 00	1 0^0	0 0^0	0 0^0		0 0^0
... 0000 00	0 000	0 000	0 0^0	0 00^0	0 00^0		0 00^0
... 0000000	1 0^0	0 000	1 0^0	1 00^0	1 00^0		1 00^0
... 000000000	0 1 00	1 00x	0 000	0 0^0	0 0^0		0 0^0
... 00000000	1 0^0	1 0^0	1 0^0	1 0^0	1 0^0		1 0^0
... 0 00000	1 0 0^0	1 0 000	1 0 000	1 0 000	1 0 0^0		1 0 1^0
..... 00000000	1 1 0 000	1 1 0 000	1 00 000	1 1 0 0^0	1 00 000		1 00 1 00
..... 0 000000000	0 00^0	0 1 0	0 000	0 00^0	0 000		0 1 00
..... 0 0000 000000	0 000	0 000	0 1 0^0	0 0^0	0 0^0		0 0^0
..... 0 0000 00000	1 1 0 000	1 1 0 000	1 00 0x 0	1 00 00^0	1 0x 000		1 00 000

000 00000 0000 000 00000000^

0 0000 000000 0 00000 0000000000 0000000 00000 0000 00000000  
 000000 0000000 00000 000000000 0 00000 00000

	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
<b>0000000000</b>						
... 00000000	0 0 0 0	00 000	0 0 0 0	00 000	00 000	00 0 00
... 00000000	1 0 000	11 000	1 0 000	1 0 000	1 1 0 00	1 1 0 00
... 000000	00 0 00	0 0 0 0	00 000	00 000	00 0 0 0	00 0 0 0
... 000000	00 0 0 0	00 000	00 000	00 000	00 000	00 000
... 000000	1 00 000	1 00 000	1 00 000	0 0 0 00	0 0 0 00	0 0 0 00
... 00000000	0 0 00	1 0 000	1 0 000	1 0 000	1 0 0 0	1 0 0 0
... 00000000 00000	1 00 000	1 00 000	1 00 000	1 00 000	1 00 000	1 00 000
... 00000	00 0 0 0	00 0 0 0	00 0 0 0	00 0 0 0	0 0 0 0	0 0 0 0
... 000000000	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
... 0 00000	00 000	00 000	00 000	00 000	0 0 000	00 000
... 0000000	00 0 0 0	00 0 0 0	00 0 0 0	0 0 000	0 0 0 0	0 0 0 0
... 000000	0 0 000	1 0 0 0 0	00 0 00	00 000	00 0 0 0	00 0 0 0
... 00000 000000	1 0 0 0 0	1 0 0 0 0	1 0 000	1 0 0 0 0	1 0 000	1 0 000
... 000000	1 1 0 00	1 0 0 00	1 0 000	1 0 000	1 0 000	1 0 000
... 0000000	00 0 00	0 0 0 0	00 000	00 000	00 0 0 0	00 0 0 0
... 0 00000	1 00 000	1 0 0 000	1 00 0 00	1 0 0 00	1 00 000	1 00 0 00
... 000000000	000 000	000 0 0 0	00 0 0 0	000 0 0 0	000 0 0 0	00 0 000
... 00000 000000	000 000	00 0 000	000 000	000 0 0 0	00 0 000	000 000
... 0 0000 00000	1 0 0 000	1 0 00 000	1 0 00 000	1 0 00 0 0	1 000 000	1 000 000
<b>000 00000 000000 00000</b>						
... 00000000	1 0 000	1 0 000	1 0 0 0 0	1 0 0 0 0	1 0 000	1 0 000
... 000000	00 0 0 0	00 000	00 000	00 000	00 0 000	00 0 000
... 000000	00 000	0 0 0 0	00 000	0 0 000	0 0 0 0 0	0 0 0 0 0
... 000000	1 00 0 0 0	1 00 000	1 00 000	0 0 0 00	000 0 000	000 000
... 000000	1 0 0 00	1 0 000	1 0 000	1 0 000	1 0 0 00	1 0 000
... 00000000	0 000	0 000	1 0 0 0	1 0 0 0	1 0 000	1 0 000
... 00000000 00000	1 00 0 0 0	1 00 000	1 0 0 00	1 00 0 0 0	1 00 0 0 0	1 00 0 0 0
... 00000	00 0 0 0	00 0 0 0	00 0 0 0	00 0 0 0	00 0 0 0	00 0 0 0
... 000000	1 0 000	1 0 000	1 0 0 0 0	1 0 0 0 0	1 0 0 0 0	1 0 0 0 0
... 0 00000	0 0 0 0 0	00 000	00 0 00	00 000	0 0 0 0 0	0 0 0 0 0
... 0000000	00 0 0 0	00 0 0 0	00 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
... 000000	0 0 0 0 0	1 0 0 0 0	00 000	00 0 00	00 0 0 0	00 0 0 0
... 00000 000000	1 0 000	1 0 0 0 0	1 0 000	1 0 000	1 0 000	1 0 000
... 000000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 0 0 0	1 0 0 0 0
... 0 00000	1 00 000	0 0 0 0 0	0 0 000	0 0 0 0 0	0 0 0 000	0 0 0 000
... 00000000	0 0 0 0 0	000 000	000 000	000 000	0 0 0 0 0	0 0 0 000
... 00000 000000	000 0 0 0	000 0 0 0	00 0 0 0	000 000	0 0 0 000	0 0 0 000
... 0 0000 00000	1 0 0 0 0 0	1 0 0 0 000	1 0 0 0 0 0	1 0 0 0 000	1 0 0 0 0 0	1 0 0 0 0 0
<b>0000000 0000000</b>						
... 000000	1 0 000	1 0 0 0 0	0 0 0 0	1 0 000	1 0 0 00	1 0 000
... 0000000	0 000	0 000	0 000	0 000	0 000	0 000
... 000000	00 0 0 0	0 0 0 00	0 0 000	0 0 000	00 000	00 000
... 00000000 00000	00 0 0 0	1 0 000	1 0 0 00	1 0 000	1 0 000	1 0 0 0 0
... 0000	0 0 00	0 000	0 000	0 0 0 0	0 000	0 000
... 00000 000000	0 000	0 0 0 0	0 0 0 0	0 000	0 000	0 000
... 0000000	0 0 0 0	0 0 0 0	0 0 0 0	0 0 00	0 0 0 0	0 0 0 0
... 0 00000	00 000	00 000	00 0 0 0	0 0 000	00 0 0 0	00 000
... 00000000	1 00 0 0 0	1 00 000	1 00 000	1 0 0 000	1 00 0 00	1 0 0 000
... 00000 000000	00 0 00	00 000	00 0 0 0	0 0 000	00 0 00	00 0 0 0
... 0 0000 00000	1 00 0 0 0	1 00 000	1 00 000	1 0 0 000	1 00 0 0 0	1 0 0 000



0 0000 ,0000 ,00000  
 0 000000 000000 0000000 0 00000 0000

	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
<b>00 0000000</b>						
... 00000000	1 0 000	1 0 1 00	1 0 0 1	00 0 00	1 0 0 00	1 0 0 00
... 0000000	0 0 000	1 1 0 000	1 0 0 000	00 0 000	1 0 0 000	0 0 0 000
... 00000000	1 00	1 0 000	000	1 0 000	1 0 000	1 0 000
... 00000000 00000	1 0 000	1 0 00	0 0000	1 0 000	0 0 000	0 0 000
... 000000	1 0 1 0	0 0 000	0 0000	0 0 000	0 0 000	0 0 000
... 000000000	1 0 000	1 0 0 1	0 1 00	0 0 000	0 0 000	0 0 000
... 0000000	0 0 000	00	0 0 00	0 0 000	0 0 000	0 0 000
... 0000000	1 0 000	0 0 00	0 00 1	0 000	0 0 000	0 0 000
... 00000 000000	1 0 000	0 0 000	1 00 1	1 0 000	1 0 000	1 0 000
... 0000000	0 0 000	0 0 00	1 0 1 00	1 0 0 00	1 0 0 00	1 0 0 00
... 0000000	0 0 000	0 0 000	0 1 00	0 0 00	0 0 00	0 0 00
... 0000000000	00 0 00	00 0000	00 0000	00 1 0	00 0 00	00 0 00
... 000000 0000000	00 0 000	00 1 00	00 0000	1 0 0 00	00 0 00	00 0 00
... 000000 000000	00 0 000	0 1 000	1 0 0 000	00 0 00	1 0 0 00	1 0 0 00
<b>00 00 000000</b>						
... 00000000	0 0 000	0 0 000	0 0 00	0 0 000	0 0 000	0 0 000
... 00000000	0 0 000	0 0 000	0 0 00	0 0 000	0 0 000	0 0 000
... 0000000	0 0 000	0 0 000	0 0 00	0 0 000	0 0 000	0 0 000
... 0000000	1 0 000	0 0 000	0 00 1	0 0 000	0 0 000	0 0 000
... 000000 000	0 00 1	0 0 1	0 0 00	0 0 000	0 0 000	0 0 000
... 000000 0000	0 0 000	0 0 000	00 1	00 000	00 000	00 000
... 0000000	0 0 000	0 0 000	0 0 00	0 0 000	0 0 000	0 0 000
... 000 000000 000000000	1 0 000	0 0 000	1 0 000	1 1 000	1 0 000	1 0 000
... 0000000	0 0 000	0 0 00	0 1 00	0 0 000	0 0 000	0 0 000
... 00000000 00000	0 0 000	0 0 000	0 1 1 0	1 0 000	0 0 000	0 0 000
... 0000000 000	00 1	0 0 000	00 1	00 000	00 000	00 000
... 000000000	1 00 1	0 0 1	1 0 000	0 0 000	0 0 000	0 0 000
... 0000	0 0 000	0 0 000	0 0 000	0 0 000	0 1 000	0 1 000
... 0000000	1 0 000	1 0 000	1 00 1	1 0 000	1 0 000	1 0 000
... 0000000	1 0 000	0 0 000	0 0 00	0 0 000	0 0 000	0 0 000
... 000000000000	1 0 000	1 0 000	1 0 1 0	0 1 000	0 0 000	0 0 000
... 00000 00	0 0 00 1	0 1 00	0 00 1	0 0 000	0 0 000	0 0 000
... 000000000	0 0 000	0 0 000	0 0 000	00 000	00 000	00 000
... 0000000000	0 1 000	1 00 1	0 0 000	0 0 000	0 0 000	0 0 000
... 000000000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000
... 000000000000	1 0 000	1 0 000	1 0 1 0	0 1 000	0 0 000	0 0 000
... 00000 00	0 0 00 1	0 1 00	0 00 1	0 0 000	0 0 000	0 0 000
... 000000000	0 0 000	0 0 000	0 0 000	00 000	00 000	00 000
... 000000000000	0 1 000	1 00 1	0 0 000	0 0 000	0 0 000	0 0 000
... 000000000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000
... 0000000	1 0 000	1 0 000	1 1 0 00	0 0 000	0 0 000	0 0 000
... 000000000000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000
... 0000000000000	1 0 000	1 0 000	1 0 1 0	0 1 000	0 0 000	0 0 000
... 00000 00	0 0 00 1	0 1 00	0 00 1	0 0 000	0 0 000	0 0 000
... 000000000	0 0 000	0 0 000	0 0 000	00 000	00 000	00 000
... 000000000000	0 1 000	1 00 1	0 0 000	0 0 000	0 0 000	0 0 000
... 000000000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000	1 0 000
... 0000000	1 0 000	1 0 000	1 1 0 00	0 0 000	0 0 000	0 0 000
... 000000000000	00 0 000	0 0 000	1 0 0 00	00 0 000	00 1 000	1 0 0 000
... 0000000000000	0 0 000	0 0 000	0 0 000	0 0 000	0 0 000	0 0 000
... 000000 0000000	0 0 000	0 0 000	0 0 000	0 0 000	00 000	00 000
... 000000 000000	00 0 000	0 1 000	1 0 0 000	00 0 00	1 0 0 000	1 0 0 000

0000 00000 0000 ,000 000000000

0 0000 0000 0000000000 000000 00000 0000 0000 000000  
 000000 00000000 00000 000000000 00000 0000

	0'0'0'1'	0'1'0'0'	0'1'1'0'	0'1'0'1'	0'1'0'1'0	0'1'0'1'0
<b>0000000000</b>						
...00000000	00'0'0'	00'0'0'	01'0'0'	00'0'0'	00'0'0'	00'0'0'
...000000	00'1'0'	00'0'0'	00'0'0'	0'0'0'0'	00'0'0'	00'0'0'
...0000000	0'000	1'0'00	1'0'000	1'0'0'0'	1'0'0'0'	1'0'0'0'
...00000	1'00'000	1'00'000	1'00'00'	0'0'0'0'	0'1'0'0'	0'1'0'0'
...000000	0'00'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'
...00000000 00000	00'1'00	00'000	00'0'00	00'000	00'000	00'0'00
...00000	1'0'00'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'
...000000000	0'0'0'	0'0'0'	0'00'	0'0'0'	0'0'0'	0'0'0'
...0'00000	0'0'00	0'1'00	1'0'000	0'0'0'	00'0'0'	00'0'0'
...0'00000	0'00'	0'0'0'	0'00'	0'00'	0'0'0'	0'0'0'
...0000000000	0'00'	0'00'	0'0'0'	0'000	0'0'0'	0'0'0'
...0'00000	0'000	0'0'00	0'000	0'0'0	0'0'0'	0'0'0'
...0'00000	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'
...00000 00000	1'0'00'	1'0'000	1'0'000	1'0'0'0'	1'0'0'0'	1'0'0'0'
...0'00000	1'0'000	1'1'0'0	00'000	0'0'000	00'0'0'	00'0'0'
...0'00000	00'000	0'0'000	00'000	00'000	00'1'00	00'000
.....00000000	00'0'0	0'0'0'0	000'000	000'000	0'0'000	0'0'000
.....0'00000 000000	000'000	0'0'0'00	0'0'000	0'0'000	000'000	000'000
.....0'0000 00000	000'1'00	00'0'000	000'00'	000'000	000'000	000'1'00
<b>0000000000 00000</b>						
...00000000	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'
...000000	00'0'0'	00'0'0'	0'0'0'	00'0'0'	00'0'0'	00'0'0'
...0000000	1'1'000	1'1'00'	1'1'000	1'1'0'0'	1'0'0'0'	1'0'0'0'
...00000	1'00'0'0'	1'0'0'0'	1'00'0'0'	0'0'0'0'	000'0'0'	000'0'0'
...000000	1'0'0'0'	1'0'0'0'	1'1'0'0'	1'1'0'0'	1'0'0'0'	1'1'0'0'
...00000000 00000	0'0'0'	00'0'0'	00'0'0'	00'0'0'	0'0'0'	0'0'0'
...00000	1'0'1'0'	1'0'1'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'
...000000000	0'0'0'	0'0'0'	1'0'0'	1'0'0'	1'1'0'0'	1'1'0'0'
...00000	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'
...00000 00000	0'000	0'0'0'0	0'0'0'0	0'0'0'	0'0'0'	0'0'0'
...0'00000	0'0'0'0'	00'0'0'	00'0'0'	00'0'0'	00'0'0'	00'0'0'
...0'00000	0'0'0'	0'0'0'	0'00'	0'0'0'	0'0'0'	0'0'0'
...000000000	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'
...00000 00000	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'	1'1'0'0'	1'1'0'0'
...0'00000	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'0'0'	0'1'0'0'
...0'00000	1'00'0'00	1'00'0'0	1'0'0'00'	1'00'000	1'00'000	1'00'000
.....00000000	000'000	000'000	0'0'0'00	0'1'000	00'0'0'0	000'00'
.....0'00000 000000	00'0'0'0	000'1'00	000'0'00	000'0'1	000'1'0	00'0'00
.....0'0000 00000	000'00'	000'0'0'	000'1'00	000'0'00	000'0'0'	00'0'00
<b>0000000 000000</b>						
...000000	0'000	1'0'000	0'0'0'	1'0'0'0'	1'0'0'0'	1'0'0'0'
...0000000	1'00'	1'000	1'000	1'000	1'000	1'000
...00000	0'0'0'	00'0'0	00'000	0'0'000	00'000	00'000
...00000000 00000	0'000	0'000	0'000	0'000	0'0'1	0'0'1
...0'00000	1'000	1'1'1'0	1'0'0'0	1'1'00	1'000	0'1'0
...00000 00000	0'1'00	0'0'0'0	0'000	0'0'1	0'000	0'000
...0'00000	000	1'1'0'	1'0'0'	000	1'000	0'000
...0'00000	00'000	00'000	00'00'	1'0'000	1'0'000	1'0'0'1
.....00000000	1'0'000	00'00'	1'0'00'	1'0'000	1'1'0'0'	1'0'000
.....0'00000 000000	00'00'	00'000	00'1'00	1'0'000	00'000	00'00'
.....0'0000 00000	1'00'1'00	1'00'0'0	1'00'0'0	1'00'1'0	1'0'000	1'0'1'00





0 0000 000000 000000  
 0 000000 000000 000000 00000000 0 00000 0000

	0''0''1''	0''1''1''1	0''1''1''10	0''1''0''10	0''1''0''10	0''1''0''10
	000	000	000	000	000	000
<b>00 0000000</b>						
...00000000	000	1 001	0 001	0 0''	0 0''	0 0''
...00000000	0 000	0 0''00	0 01 0	0 0''	0 1''	0 1''
...0000000	1 0''0	1 0''00	1 000	1 0''	1 0''	1 0''
...00000	-	1	0	0	0	0
...00000	1 0	0	0	1''	0	0
...00000	1 0	1 0	-	1''	1''	1''
...00000000 00000	0 000	0 001	0 001	0 0''	0 0''	0 0''
...00000	01	0''	00	000	0''	0''
...000000000	000	000	000	0''	0''	0''
...0 000000	00	1''	0	1''	1''	1''
...000000	0 0''00	000	0 000	0 0''	0 0''	0 0''
...000000	00	0	1 0	0	0	0
...000000	0 1	1	1 0	0''	0''	0''
...0000000	0 000	0 000	0 1 000	0 0''	0 0''	0 0''
...0000000	-	-	-	1''	00	00
...0 000000	00	0	1 0	0''	-	-
.....00000000	1 0 1 1''	1 0 001	01 1 00	1 0 000	1 0 00''	1 0 00''
.....000000 000000	1 00	1 01	1 00	0''	0''	0''
.....0 0000 000000	1 0 000	1 0 1 00	01 000	1 0 000	1 0 00''	1 0 00''
<b>00 00 00000</b>						
...0000000	0	000	000	0''	0''	0''
...0000000	000	000	000	0''	0''	0''
...00000	0 001	1 000	0 001	0 0''	0 0''	0 0''
...00000 000	000	001	0 1	00''	00''	00''
...0000	0''	0''	1 0''	1 0''	1 0''	1 0''
...000000	001	000	000	0''	000	000
...00000	1 0 1 1	1 000	1 000	1 0''	1 0''	1 0''
...000000	000	000	00''	0''	00''	00''
...000000	000	01 0	00''	00''	00''	00''
...00000	000	1 00	1 00	0''	0''	0''
...0 000000	000	000	000	0''	00''	00''
...000000	1 0	01 1	000	00''	00''	00''
...0000000000	0 0''	0 0''	0 0''	0 0''	0 0''	0 0''
...0000000	000	001	01 0	0''	0''	0''
.....000000 0000 00 000000	000	000	000	0''	0''	0''
...0 00000	1 000	1 000	1 000	1 0''	1 00''	1 00''
.....00000000	1 0 000	1 0 000	0'' 000	1 0 00''	1 0 00''	1 0 00''
.....0 0000000000	000	1 1 0	000	000	000	000
.....0 00000 000000	0''0	1 00	000	0''	00''	00''
.....0 0000 000000	1 0 000	1 0 1 00	01 000	1 0 000	1 0 00''	1 0 00''

000 00000 0000 ,000 00000000''

0 0000 00000000000000 0000000 00000 0000 0000000  
 000000 0000000 00000 0000000000 00000 00000

	0 0 0 0	0 0 1 1	0 1 1 1 0	0 1 0 1 0	0 1 0 1 0	0 1 0 1 0
	000	000	000	000	000	000
<b>0000000000</b>						
... 0000000	0 0 0	1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
... 00000000	1 0 00	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
... 00000000	0 0 00	0 0 00	0 0 00	0 0 00	0 0 00	0 0 0
... 00000000	0 1 00	1 0 00	0 1 0	0 1 0	1 0 0	1 0 0
... 00000000	0 0 00	0 0 00	0 0 00	0 1 0	0 0 0	0 0 0
... 00000	0 0 1 0	1 0 00	0 0 0	0 0 0	0 0 0	0 0 0
... 00000000	1 0 00	1 0 00	1 0 00	1 0 00	1 0 00	1 0 00
... 000000000 00000	00 0 00	00 0 00	00 0 00	00 0 00	00 0 00	00 1 0
... 00000	1 0 0	1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
... 0000	0 0 00	0 0 1 0	0 0 0	0 0 0	0 0 0	0 0 0
... 00000000000	0 0 1 0	1 0 1 0	0 0 00	0 0 00	0 0 0	0 0 0
... 0 0000000	0 0 0	0 0 0	0 0 0	1 0 0	0 0 0	0 0 0
... 0000000	1 0 0 0	0 0 00	1 0 0 00	1 0 0 00	1 0 0	1 0 0
... 0000000	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0
... 0000000	1 1 0 00	0 0 00	0 0 00	0 0 00	0 0 0	0 0 0
... 0 00000	0 0 00	0 0 00	0 0 00	0 0 0	0 0 0	0 0 0
... 0000000000	1 00 0 0	1 1 0 000	1 0 0 000	1 00 000	1 00 1 00	1 00 0 0
... 000000 0000000	0 0 0	0 0 00	0 0 00	0 0 00	0 0 00	0 0 00
... 0 0000 00000	1 0 0 000	1 00 0 0	1 00 0 0	1 00 0 0	1 00 0 00	1 00 0 00
<b>00000000000 00000</b>						
... 0000000	1 0 0	1 0 0	1 0 0	0 0 0	0 1 0	0 1 0
... 000000000	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0	0 0 0
... 0000000	0 0 0	0 0 0	0 1 0	0 0 0	1 0 0	1 0 0
... 0000000	0 0 1 0	0 0 00	0 0 1 0	0 0 0	0 0 0	0 0 0
... 00000	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
... 00000000	1 0 0	1 0 00	1 0 00	1 0 00	1 0 0	1 0 0
... 000000000 00000	00 0 0	00 0 1 0	0 1 0 0	0 1 0 0	0 1 0 0	00 0 0
... 00000	1 0 0	1 0 0	1 0 0	1 0 0	1 0 0	1 0 0
... 0000	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0
... 00000000000	0 0 0	1 0 00	1 0 00	1 0 00	1 0 0	1 0 0
... 0 000000	0 0 0	0 0 0	0 1 0	1 0 0	0 0 0	0 0 0
... 0000000	1 0 0 0	0 0 0	1 0 0 0	1 0 1 0	1 0 0	1 0 0
... 00000000000	0 0 00	0 0 00	0 0 00	0 0 00	0 0 00	0 0 00
... 0000000	0 0 0	0 0 0	0 0 0	0 1 0	0 0 0	0 0 0
... 0000000	0 0 0	0 0 0	0 0 0	0 0 0	0 1 0	0 1 0
... 0 0000	1 0 0 0	1 0 0 1 0	1 0 0 00	1 0 0 00	1 0 0 00	1 0 0 1 0
... 00000000	1 0 0 000	1 0 1 0 00	1 0 1 0 00	1 00 0 0	1 00 1 00	1 00 0 00
... 000000 0000000	0 0 1 0	1 0 00	1 0 0	1 0 00	0 0 0	0 0 0
... 0 0000 00000	1 00 0 000	1 00 0 1 0	1 00 0 000	1 00 0 000	1 00 1 00	1 00 0 000
<b>0000000 0000000</b>						
... 0000000	1 0 00	1 0 00	1 0 00	1 0 00	1 0 00	1 0 00
... 0000000	0 0 0	1 0 0	1 1 00	0 0 0	1 0 00	1 0 00
... 000000000 00000	1 0 0 00	0 0 00	0 1 00	0 0 00	0 0 00	0 0 00
... 0000	1 0 00	1 1 00	1 0 00	1 0 00	1 0 00	1 0 00
... 0000000	0 0 00	1 0 00	0 0 0	0 0 0	1 0 0	1 0 0
... 00000000000	0 0 00	1 0 00	0 0 00	0 0 0	0 1 00	0 1 00
... 00000000	1 0 0	0 0 0	1 1 00	1 0 00	0 0 0	0 0 0
... 0 00000	0 0 0	0 0 0	0 0 00	0 0 00	0 0 00	0 1 00
... 00000000000	00 0 0	00 1 00	0 1 0 00	1 0 0 00	1 0 0 00	0 1 0 0
... 000000 0000000	0 0 1 0	1 0 00	1 0 0	1 0 00	1 0 00	1 0 0
... 0 0000 00000	00 0 000	00 1 00	00 0 000	1 0 0 00	0 1 0	0 1 0



0 0000 0000000 00000  
 0 000000 000000 0000000 0 00000 0000

	0 0 0	0 1 1	0 1 1 0	0 1 0 0	0 1 0 0	0 1 0 0
<b>00 0000000</b>						
...0000000	1 0 0	1 000	0 1 00	0 0 00	0 0 00	0 0 00
...0000000	00 0	000	1 1 00	1 0 00	0 0 00	0 0 00
...00000	0 1	00	00	0 0	0 0	0 0
...0000000	-	00	00	00	00	00
...00000	1 00	0 1	1 00	0 0 00	00	00
...000000	0 0	0 0	00	0 0	0 0	0 0
...0000000	0 1	00	1 1 0	1 0 0	1 0 0	1 0 0
...0 00000	1 00	0 0	1 00	1 00	1 0 0	1 0 0
.....00000000	0 00 1	0 0 1 0	0 0 0 0	0 00 0	0 00 0	0 00 0
.....000000 000000	0 0 00	0 000	1 000	1 0 00	0 0 00	0 0 00
.....0 0000 00000	0 000	0 000	0 000	0 1 0 0	0 1 0 0	0 1 0 0
<b>00 00 00000</b>						
...0000	000	000	000	0 00	0 00	0 00
...00000	00	0	00	0 00	0 00	0 00
...00000 000	0 1 0	00 1	000	0 00	0 00	0 00
...00000000 00000	0	000	1 00	00 00	1 00	1 00
...00000	1 000	1 0 1 0	1 00 1	1 0 00	1 0 00	1 0 00
...0 00000	0 000	0 000	1 000	0 0 00	0 0 00	0 0 00
...0000	0 1	00	00	0 0	0 0	0 0
...000000000000	0	0	00	1 00	1 00	1 00
...00000	0 00	0 00	1 00	1 00	1 00	1 00
...0000 00	0 1	00	00	1 00	1 00	1 00
...0 00000	000	0 0	000	00 00	000	000
.....00000000	0 0 0 0	0 0 1 1	0 0 00	0 0 00	0 00 0	0 00 0
.....000000000000	1 0	00	000	00 00	0 1 00	0 1 00
.....000000 000000	-	1	0	0 00	0 00	0 00
.....0 0000 00000	0 000	0 000	0 000	0 1 0 0	0 1 0 0	0 1 0 0

000 00000 0000 ,000 000000000

0 0000 00000000 000000000000 00000000 00000000 000000000000  
 00000000 000000000000 000000000000 000000000000

	0'0'1'	0'1'1'	0'1'1'0	0'1'0'0	0'1'0'0	0'1'0'1	0'1'0'1
000000000000							
...000000000	0 000	0 0''	0 0''	0 0''	0 0''	0 0''	0 0''
...000000000	1 0'0	1 000	0 000	1 00:	0 1''	0 1''	0 1''
...000000000	1 000	0 0:0	0 000	0 1:0	0 1''	0 1''	0 1''
...000000000	1 000	1 0''	1 0''	1 000	1 0''	1 0''	1 0''
...00000	0''	1''''	000	1 0''	0''	0''	0''
...00000	1 000	0 000	0 0''	0 1:0'	0''	0''	0''
...000000	0''	0''	0''	0''	0''	0''	0''
...000000000	0 00	0 000	0 00:	0 00''	0 0''	0 0''	0 0''
...00000	0 0''	0''''	0 0'	0 0''	0 0''	0 0''	0 0''
...0 000	00''	000	1 1:0:	1 1:0	1 1''	1 1''	1 1''
...0 00000	0 00''	0 000	0 000	0 00''	0 0''	0 0''	0 0''
...0 0000	000	1 0''	0''	1''''	1''''	1''''	1''''
...0 000000	0 0''	0 00''	0 0''	0 000	0 0''	0 0''	0 0''
...0 00000	0 00''	0 0'0	0 0'0	0 00:	0 0''	0 0''	0 0''
...0 0000000	0:'	0''	0'0	0''	00''	00''	00''
...0 00000	0 0'0	0 00''	0 000	0 000	0 0'0	0 0'0	0 0'0
.....00000000	00 00''	00 0'0	00 0'0	0''00	0: 000	0: 000	0: 000
.....0 00000 000000	0 000	0 000	0 000	0 000	1''000	1''000	0 1:0
.....0 0000 00000	00 00	00 000	00 0'0	00 0:0	0: 000	0: 000	0'00:
0000000000 00000							
...000000000	1 0''	1 0''	1 0''	0 0'	0 0''	0 0''	0 0''
...000000000	1 0'0	1 0'0	1 1'0	0'0	1 1'0	1 1'0	1 1'0
...000000	1 000	0 000	0 000	0 1''	0 1''	0 1''	0 1''
...000000000	1 000	1 0''	1 0''	1 0''	1 0''	1 0''	1 0''
...00000	000	00''	0''	1 1:0'	00''	00''	00''
...000000	1 0''	0 0''	0 0''	0 0''	0 0''	0 0''	0 0''
...00000 000	00''	00''	000	000	00''	00''	00''
...000000000	0 0''	0 0''	0 0''	0 0''	0 0''	0 0''	0 0''
...00000	0 0''	0 0''	0 1''	0 1''	0 0''	0 0''	0 0''
...00000	1 00''	1 00''	1 000	1 0''	1 0''	1 0''	1 0''
...0 000	00''	000	1 1:0:	1 1:0	1 1''	1 1''	1 1''
...0 00000	0 0''	0 0''	0 1''	0 1''	1 0''	1 1''	1 1''
...00000	0''	1 00''	00''	1 0''	1 0''	1 0''	1 0''
...0 00000	0 00''	0 0''	0 0''	0 00''	0 00''	0 00''	0 00''
...0 00000	0 0''	0 0''	0 00''	0 00''	0 0''	0 0''	0 0''
...0 00000	0 000	1 1:0'	0 000	0 0:0	0 00''	0 00''	0 00''
.....00000000	0'000	00 000	00 000	0: 0'0	00 000	00 0'0	00 0'0
.....0 00000 000000	0 0'1	0 000	0 000	0 000	0 000	0 000	0 000
.....0 0000 00000	00 000	0'000	00 0'1	00 000	0: 0:0	0'000	0'000
000000 000000							
...000000000	1 00	00''	1 00	0:0	0:0	0:0	0:0
...000000000	00:	00:	00''	1 00	1 00	1 00	1 00
...00000	000	000	000	0'0	000	000	000
...00000	1 00	000	1 00	1 00	1 00	1 00	1 00
...0 00000	00''	000	0:0	1 00	000	000	000
...0 00000	0''	1 0''	0:0	0'0	0'0	0'0	0'0
...00000	0'0	0:'	1 00	00''	0:0	0:0	0:0
...0 00000	000	1 00:	1 000	1 0'0	1 1:00	1 1:00	1 1:00
.....00000000	0 0'	0 0'	0 000	0 00:	0 0''	0 0''	0 000
.....0 00000 000000	1 0'00	000	000	000	000	00:	00:
.....0 0000 00000	0 1:00	0 000	0 00''	0 1:00	0 000	0 000	0 000



0 0000 0 0000 000000  
 0 000000 000000 000000 00000000 0 00000 0000

	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0
<b>00 000000</b>						
... 00000000	1	0	10	0	0	0
... 00000000	0:1	0:1	1:00	1:0	1:0	1:0
... 000000	0	0	0	0	0	0
... 000000	1:000	1:000	1:000	1:0	1:0	1:0
... 00000	00	1:00	1:0	1:0	1:0	1:0
... 00000000 0000	0:1:0	1:1:0	1:00	1:0	1:0	1:0
... 000000	0	1	1:0	1:0	1:0	1:0
... 0 00000	0	0	0	1:0	1:0	1:0
..... 00000000	0 0:	1:00	0:00	1:00	0:1:0	0:1:0
..... 0 00000 000000	0 00	00	00	00	00	00
..... 0 0000 00000	0 00	0 00	0 000	1:000	0:1:00	0:1:00
<b>00 00 00000</b>						
... 0000000	0	0	0	0	0	0
... 000000	1	0	0	1:0	1:0	1:0
... 000000 000 0000000000	0	0	0	0	0	0
... 000000	0:	1:0	1:1	0	0	0
... 00000	00	00	00	00	00	00
... 00000 000	0	0	0	0	0	0
... 0000000	1:1	1:1	00	1:0	1:0	1:0
... 00000000 0000	0	0	0	0	0	0
... 00000	00	00	00	0	0	0
... 0 00000	00	1:0	1:00	1:0	1:0	1:0
... 0000 00	00	1:0	00	1:0	00	00
... 00000 000000	0:	1:0	1:1	00	00	00
... 00 00000000	00	00	00	0	0	0
... 000000	0	0	0	0	0	0
... 0000000	0	1:1	0	0	0	0
... 0 00000	0	0	0	0	0	0
..... 00000000	0:1:0	000	000	00	00	00
..... 0 0000000000	1:00	1:00	1:1:0	1:00	1:00	1:00
..... 0 00000 000000	1:0 0	1:000	1:000	1:0	1:0	1:0
..... 0 0000 00000	0 00	0 0	0 000	1:000	0:1:00	0:1:00

00000000 0000 000 00000000

0 0000 0 000 0000000000 0 000000 00000 000 0000000  
 000000 0000000 00000 000000000 0 00000 00000

	0 0 0 0	0 1 1 1	0 1 1 0	0 1 0 0	0 1 0 0	0 1 0 0
<b>0000000000</b>						
... 00000000	00	1 0	1 00	1 00	1 00	1 00
... 00000000	1 00	00	000	00	0	0
... 00000000	1 1 00	1 1 00	1 000	1 00	1 0	1 0
... 00000000	000	000	000	0	00	00
... 00000000	000	000	000	00:	00	00
... 00000000	0 0:0	0 00:	0 1 00	0 00	0 1	0 1
... 00000000	00:	000	0	00	000	000
... 00000000	00	000	0	0	00	00
... 00000000 00000	0 00:	0 0	0 0	0 000	0 000	0 000
... 0000000000	0 0	1 00	000	0	0	0
... 00000000	1 0	1 1 1	1 1 0	1 1 0	1 1 0	1 1 0
... 0000 00	000	000	00:	000	000	000
... 00000000	0 0 1	0 0:0	0 000	0 000	0 0	0 0
... 00000000	0:0	0 0	0:	0:	0:	0:
... 00000000	00:	000	0 0	00	00	00
... 00000000	000	000	000	000	0:0	0:0
..... 00000000	00 00	1 0 00	0: 0 1	0 0 0:	0: 00:	0: 0 1
..... 000000 000000	1 00:	1 1 00	000	000	1 0:	1 00
..... 0 0000 000000	00 0:0	1 0 00	00 00	0: 1	00 000	00 000
<b>0000000000 00000</b>						
... 00000000	00	1 0:	1 00	1 00	1 00	1 00
... 00000000	0	00	00	0	0	0
... 00000000	000	0	1 1	0	0	0
... 00000000	000	0000	00	000	000	000
... 00000000	00	00	00	00	00	00
... 00000000	1 000	1 00	1 000	1 00	1 00	1 00
... 00000000	00	000	000	000	000	000
... 00000000	000	000	000	000	000	000
... 00000000 00000	0 1 00	0 000	0 000	0 000	0 0	0 0
... 0000000000	0:	1 0	000	000	1 00	1 00
... 0 00000	0:0	1 00	000	0:0	0:0	0:0
... 0000 00	00	000	000	000	000	000
... 00000000	0 0	0 00	0 0	0 0	0 0	0 0
... 00000000	0:	0:	0:	0:	0:	0:
... 00000000	000	000	0	0	000	000
... 00000000	000	000	0 0	000	000	000
..... 00000000	0 000	1 0 000	1 0 000	1 0 1 00	1 0 000	1 0 000
..... 0 00000 000000	0 1 1	0 000	0 000	0 00:	0 000	0 000
..... 0 0000 000000	00 000	0: 00	00 1 00	0: 000	00 1 00	00 000
<b>000000 000000</b>						
... 00000000	1 00	1 00	1 00	1 00	000	000
... 00000000	1 1 00	000	0:	00	00	00
... 00000000	1 00	00	1 00	1 00	1 00	1 00
... 00000000 00000	1 00	000	0 0	000	000	0
... 0000 00	0	00	00	00	00	00
... 00000000	000	1 00	000	0 0	1 00	1 00
... 00000000	00	0	00	00	00	00
... 00000000	000	000	00:	000	000	000
..... 00000000	0 000	0 000	0 000	0 1 00	0 000	0 0 0
..... 000000 000000	1 1 00	000	000	000	000	000
..... 0 0000 000000	0 0:0	0 000	0 000	0 000	0 00	0 0





0 0000 000 00000  
 0 000000 000000 000000 00000000 0 0000 0000

	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0
<b>00 0000000</b>						
...0000000	00	1 0	00	1	1	1
...0000000	1 00	00:	1 00	0	1 0	1 0
...0000000 0000	1 00	0:	00	1	1	1
...0000000	0	00	000	1 00	1	1
...0000000	00	0	0	00	00	00
...0000000	0	0	0	0	0	0
.....00000000	0 0	000	00	00	000	000
.....00000 00000	0	0	0	0	0	0
.....0 0000 00000	0 0	000	000	000	00	00
<b>00 00 00000</b>						
...0000000	0	00	0 0	1	1	1
...0000000 0000	0	1 0	1:	00	1 0	1 0
...0000000	1 0	1 1	00	0	00	00
...00000 00000	0	1:	1:	1	1	1
...00000 00	1 0	1 0	1:	1	1	1
...00 00000000	0	0	0	0	0	0
...0 0000000	0	1 0	0	0	0	0
.....00000000	1 00	00:	00:	0	0:	0:
.....0000000000	1 00	0	1 0	1 00	0	0
.....0 00000 00000	1 00	1 00	1 00	0	1 00	1 00
.....0 0000 00000	0 0	000	000	000	00	00

000 00000 0000 ,000 00000000

0 0000 0000 0000000000 000000 00000 0000 00000000  
 000000 00000000 00000 000000000 00000 00000

	0''0''1'	0''1''11	0''11'10	0''10'10	0''10'10	0''10'10
	000	000	000	000	000	000
<b>0000000000</b>						
...000000	1 000	000	0''0	1 0''	1 0''	1 0''
...000000	00:	000	00:	00''	0''	0''
...00000000 00000	0 000	0 000	0 0''	0 00''	0 000	0 0''00
...000000000	00	00	00	0''	0''	0''
...000000	0 000	1 000	0 000	0 1 00	0 0''	0 0''
...000000	000	000	00''	00''	00''	00''
...000000	000	000	000	000	00''	00''
...0 00000	1 00	1 00	1 00	1 0''	1 0''	1 0''
.....00000000	1 0 000	11 00:	1 0 00	1 0 000	1 0 0''	1 0 0:0
.....0 00000 00000	1 00	1 00	1 0:	1 00	1 00	000
.....0 0000 00000	1 0 000	11 0:	1 0 1 00	1 0 1 00	1 0 0''	1 0 000
<b>00000000000 00000</b>						
...00000000	00	0''	00	0''	0''	0''
...0000000	1 0''	00''	0''	1 0''	1 0''	1 0''
...0000000	1 0:	1 00	1 0	1 0''	00	00
...000000000 00000	0 000	0 0 0	0 0 0''	0 0''	0 0''	0 0''
...00000	0''	1 0	00	00	00	00
...0000000000	00	0''	0''	0''	0''	0''
...000000	0''	00	00	00	00	00
...000000	0 000	1 00''	0 00''	0 0''	0 0''	0 0''
...000000	00''	00''	00''	00''	00''	00''
...000000	0''	00''	000	000	00''	00''
...0 00000	1 1 0	1 1 0	1 1 0	1 00	1 0	1 0
.....00000000	1 0 000	1 0 0:0	1 0 000	1 0 00:	1 0 000	1 0 000
.....0 00000 00000	000	00''	0:0	000	000	000
.....0 0000 00000	1 0 1 0:	1 0 000	1 0 000	1 0 1 00	1 0 0''	1 0 000
<b>0000000 000000</b>						
...0000000	1 00	00	1 00	000	000	000
...0000000	1 00	0:	00	00	00	00
...000000000 00000	1 000	1 1 0	00:	00:	000	000
...000000	1 0	1 0	0	1''	1''	1''
...000000	0''0	00''	1 00	1 1 1	0:1	0:1
...000000	1 0	00	00	00	00	00
...0000000	0:1	1 00	1 00	1 00	1 1 0	1 1 0
...0 00000	0	0	0	0	0	0
.....00000000	0 00:	1 000	1 000	1 00:	1 000	1 000
.....0 00000 00000	00	0''	1 1	1''	1 0	1 0
.....0 0000 00000	0 000	1 000	1 000	1 00:	1 000	1 000





# HISTORICAL DATA SERIES FOR SELECTED REGIONS AND COUNTRIES

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0000000000 000000 000 000 000  
 0 00000000 000000 000000, 0 000000 000 00000 00000 0 00000000

	00000 0000000000	00000	0000000000	00 000000	00000000	00000 0000 00000000 000	000 000000 00000000 000	0000000 0000000
0 0000								
...0^0^0^0	00^0	0^0	0^0	^0	1^0	0^0	1^0^0	0^0
...0^0^0^0	00^^	0^0	00^0	0^0	0^0	0^^	1^0^0	00^0
...0^0^0^0	0x^0	0^0	00^^	0^0	1^0	0^^	1^0^^	00^0
...0^0^0^0	00^0	0^0	00^0	1^1	1^0	0^0	1^1^0	00^0
...0^0^0^0	00^0	0^0	1^0^0	^0	0^0	0^^	1^0^^	00^0
...0^0^0^0	00^0	0^0	1^0^0	^^	0^0	0^^	1^0^^	00^1
...0^0^0^0	00^0	0^0	1^10^0	^0	^0	0^^	1^0^0	00^0
...0^0^0^1^	00^0	0^0	1^10^1	1^0	^0	1^^	1^0^^	00^0
...0^1^1^1	00^0	0^0	1^10^0	^0	^0	10^^	1^1^0	00^1
...0^1^1^0	00^0	0^0	1^10^0	0^0	1^^	00^^	1^00^0	00^0
...0^1^0^0	00^0	0^^	10x^^	0^^	1^^	00^^	1^00^^	00^0
...0^1^0^0	00^0	0^^	10x^^	0^0	1^^	00^^	1^00^0	00^0
000000 000000								
...0^0^0^0	00^0	0^0	10^0	1^0	10^0	00^0	1^00^0	00^0
...0^0^0^0	00^0	0^0	100^^	1^0	0^0	00^1	1^00^0	00^0
...0^0^0^0	00^^	0^0	100^0	0^1	0^0	1^^^0	1^0x^1	00^0
...0^0^0^0	00^0	0^1	100^0	0^0	0^0	1^0^0	1^00^1	00^0
...0^0^0^0	0^0	0^1	100^1	1^0	0^0	1^0^0	1^00^0	00^^
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Table 1. Summary of the 2012-13 marketing year for major agricultural commodities in the United States, by commodity and marketing year.

Commodity	Production	Stocks	Exports	Imports	Domestic Consumption	Government Stocks	Ending Stocks	Marketing Year
<b>Grains</b>								
Wheat	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Barley	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Oats	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other Grains	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Oilseeds</b>								
Soybeans	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other Oilseeds	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Meat and Poultry</b>								
Beef	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Pork	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Poultry	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Dairy</b>								
Milk	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Cheese	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Butter	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Other</b>								
Other	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Table 1. Summary of the 2012-13 marketing year for the major export commodities of the United States, by destination country.

Commodity	Quantity (Million Metric Tons)	Value (Million US Dollars)	Percentage of Total Exports	Percentage of Total Exports (Value)	Percentage of Total Exports (Quantity)	Percentage of Total Exports (Value)	Percentage of Total Exports (Quantity)	Percentage of Total Exports (Value)
<b>Grains</b>								
Wheat	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Barley	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Oats	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Grains	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Oilseeds</b>								
Soybeans	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Other Oilseeds	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Meats</b>								
Beef	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Pork	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other Meats	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Other Agricultural Products</b>								
Other Agricultural Products	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>Total Exports</b>								
Total Exports	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6



Table 1. Summary of the 2012-13 marketing year for the major agricultural commodities in the United States, including the total quantity of each commodity available for export, the quantity of each commodity that was exported, and the quantity of each commodity that was sold to the United States.

Commodity	Total Quantity Available for Export (Million Metric Tons)	Quantity Exported (Million Metric Tons)	Quantity Sold to the United States (Million Metric Tons)	Total Quantity Available for Export (Million Metric Tons)	Quantity Exported (Million Metric Tons)	Quantity Sold to the United States (Million Metric Tons)	Total Quantity Available for Export (Million Metric Tons)	Quantity Exported (Million Metric Tons)	Quantity Sold to the United States (Million Metric Tons)
Wheat	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Barley	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Oats	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Rice	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Maize	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Soybeans	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Canola	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Alfalfa	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Hay	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Beef	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Pork	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Chicken	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Eggs	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Dairy	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Wool	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0
Other	10.0	10.0	0.0	10.0	10.0	0.0	10.0	10.0	0.0

Table 1. Summary of the 2012-13 season for the major wheat producing countries in the world

Country	Area (ha)	Yield (t/ha)	Production (t)	Stocks (t)	Exports (t)	Imports (t)	Self-sufficiency (%)	Notes
China	3,000,000	1.5	4,500,000	1,000,000	1,000,000	0	100	
India	1,500,000	1.2	1,800,000	500,000	500,000	0	100	
USA	1,000,000	2.5	2,500,000	500,000	1,000,000	0	150	
France	800,000	2.0	1,600,000	200,000	500,000	0	125	
UK	700,000	2.5	1,750,000	100,000	200,000	0	128	
Canada	600,000	2.0	1,200,000	100,000	500,000	0	120	
Wheat Belt (Australia, NZ, etc.)	500,000	2.0	1,000,000	100,000	500,000	0	120	
Other major producers	1,000,000	1.5	1,500,000	200,000	200,000	0	100	
World Total	10,000,000	1.8	18,000,000	2,500,000	3,200,000	0	111	

Table 1. Summary of the 2012-13 marketing year for major agricultural commodities in the United States, by commodity group.

Commodity	Production (Million bushels)	Stocks (Million bushels)	Exports (Million bushels)	Domestic Consumption (Million bushels)	Total Demand (Million bushels)	Imports (Million bushels)	Government Stocks (Million bushels)	Ending Stocks (Million bushels)
Wheat	1,200	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Barley	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Oats	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Feed Grains	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Oilseeds	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Grain	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Animal Products	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Meat	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Dairy	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000
Other	1,000	1,000	1,000	1,000	2,000	1,000	1,000	1,000



Table 1. Summary of the 2012-13 season for the major wheat producing countries in the world. The table shows the area, yield, and production of wheat in million metric tons (MMT) for each country. The total area, yield, and production are also shown.

Country	Area (MMT)	Yield (MMT)	Production (MMT)	Area (MMT)	Yield (MMT)	Production (MMT)	Area (MMT)	Yield (MMT)	Production (MMT)
China	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
India	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
USA	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
France	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
UK	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Canada	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Australia	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Argentina	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Ukraine	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Russia	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Wheat	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Barley	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Oats	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Rye	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Tritic	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Spelt	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Other	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Total	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

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## **ENDNOTES TO GRAIN: WORLD MARKETS AND TRADE**

### **REGIONAL TABLES**

**North America:** Canada, Mexico, the United States.

**Central America:** Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama.

**Caribbean:** Anguilla, Antigua and Barbuda, Aruba, Bahamas, Barbados, Bermuda, British Virgin Islands, Cayman Islands, Cuba, Dominica, Dominican Republic, French West Indies, Grenada, Guadeloupe, Haiti, Jamaica and Dep, Leeward-Windward Islands, Martinique, Montserrat, Netherlands Antilles, Puerto Rico, Kitts and Nevis, St. Lucia, St. Vincent and the Grenadines, Trinidad and Tobago, Turks and Caicos Islands, Virgin Islands of the U.S.

**South America:** Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Falkland Islands (Islas Malvinas), French Guiana, Guyana, Paraguay, Peru, Suriname, Uruguay, Venezuela.

**EU:** Austria, Belgium/Luxembourg, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Malta, Netherlands, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United Kingdom.

**Other Europe:** Albania, Azores, Bosnia and Herzegovina, Former Yugoslavia, Gibraltar, Iceland, Macedonia, Montenegro, Norway, Serbia, Switzerland.

**Former Soviet Union:** Armenia, Azerbaijan, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Moldova, Russia, Tajikistan, Turkmenistan, Ukraine, Uzbekistan.

**Middle East:** Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, Turkey, United Arab Emirates, Yemen.

**North Africa:** Algeria, Egypt, Libya, Morocco, Tunisia.

**Sub-Saharan Africa:** all African countries except North Africa.

**East Asia:** China, Hong Kong, Japan, South Korea, North Korea, Macau, Mongolia, Taiwan.

**South Asia:** Afghanistan, Bangladesh, Bhutan, India, Nepal, Pakistan, Sri Lanka, Maldives.

**Southeast Asia:** Brunei, Burma, Cambodia, Indonesia, Laos, Malaysia, Philippines, Singapore, Thailand, Vietnam.

**Oceania:** Australia, Fiji, New Zealand, Papua New Guinea.

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Grain: World Markets and Trade, August 2013



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## OTHER NOTES

**Local Marketing Years (LMY):** LMY refers to the 12-month period at the onset of the main harvest, when the crop is marketed (i.e., consumed, traded, or stored). The year first listed begins a country's LMY for that commodity (2011/12 starts in 2011); except for summer grains in certain Southern Hemisphere countries and for rice in selected countries, where the second year begins the LMY (2011/12 starts in 2012). Key exporter LMY's are:

<b>Wheat</b>	<b>Corn</b>	<b>Barley</b>	<b>Sorghum</b>
Argentina (Dec/Nov)	Argentina (Mar/Feb)	Australia (Nov/Oct)	Argentina (Mar/Feb)
Australia (Oct/Sep)	Brazil (Mar/Feb)	Canada (Aug/Jul)	Australia (Mar/Feb)
Canada (Aug/Jul)	China (Oct/Sep)	European Union (Jul/Jun)	United States (Sep/Aug)
China (Jul/Jun)	South Africa (May/Apr)	Russia (Jul/Jun)	
European Union (Jul/Jun)	United States (Sep/Aug)	Ukraine (Jul/Jun)	
India (Apr/Mar)		United States (Jun/May)	
Kazakhstan (Jul/Jun)			
Russia (Jul/Jun)			
Turkey (Jun/May)			
Ukraine (Jul/Jun)			
United States (Jun/May)			

For a complete list of local marketing years, please see the FAS website (<http://www.fas.usda.gov/psdonline/psdAvailability.aspx>).

**Stocks:** Unless otherwise stated, stock data are based on an aggregate of differing local marketing years and should not be construed as representing world stock levels at a fixed point in time.

**Consumption:** World totals for consumption reflect total utilization, including food, seed, industrial, feed, and waste; as well as differences in local marketing year imports and local marketing year exports. Consumption statistics for regions and individual countries, however, reflect food, seed, industrial, feed, and waste only.

**Trade:** All PSD tables are balanced on the different local marketing years. All trade tables contain Trade Year (TY) data which puts all countries on a uniform, 12-month period for analytical comparisons: wheat is July/June; coarse grains, corn, barley, sorghum, oats, and rye are Oct/Sept, and rice is calendar year.

**EU Consolidation:** The trade figures starting from 1999/00 represent the European Union (Croatia plus the former EU-27) and exclude all intra-trade. For the years 1960/61 through 1998/99, figures are the EU-15 and also exclude all intra-trade. EU-15 member states' data for grains are no longer maintained in the official USDA database. Data for the individual NMS-10, plus Bulgaria, Romania, and Croatia, exists only prior to 1999/00.

**Statistics:** (1) Wheat trade statistics include wheat, flour, and selected pasta products on a grain equivalent basis. (2) Rice trade statistics include rough, brown, milled, and broken on a milled equivalent basis. (3) Coarse grains statistics include corn, barley, sorghum, oats, rye, millet, and mixed grains but exclude trade in barley malt, millet, and mixed grains.

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Grain: World Markets and Trade, August 2013

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**Unaccounted:** This term includes grain in transit, reporting discrepancies in some countries, and trade to countries outside the USDA database.

The Field Crops and Livestock Branch, Industry and Sector Analysis Division, Foreign Agricultural Service, USDA, Washington DC 20250, prepared this circular. Information is gathered from official statistics of foreign governments and other foreign source materials, reports of U.S. agricultural attachés and Foreign Service officers, office research, and related information. Further information may be obtained by writing the Division or telephoning (202) 720-6590.

**Note:** The previous report in this series was the Grain: World Markets and Trade Foreign Agricultural Service Circular FG 07-13 July 2013. For further details on world grain production, please see World Agricultural Production Foreign Agricultural Service Circular WAP 08-13 August 2013.

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