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# GAIN Report

Global Agricultural Information Network

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## **Kazakhstan - Republic of**

### **Grain and Feed Annual**

### **Grain and Feed Annual 2014**

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**Report Highlights:**

FAS/Astana forecasts Kazakhstan's wheat production in 2014 at 14.5 MMT, up from 13.9 MMT in 2013. Wheat sown area is expected to fall in 2014 for the 5<sup>th</sup> consecutive year, and this will also reduce harvested area. However, a return to trend yields in 2014 (2013 yields were below trend) would allow for a small increase in production from last year. Kazakh wheat exports are forecast to fall slightly in MY 2014/15 to 7.0 MMT, from 7.5 MMT in MY 2013/14, as smaller carry-in stocks reduce exportable supplies. The Kazakh Ministry of Agriculture released a Master Plan for "The stabilization of the grain market" which sets out goals and projections for grain production, consumption, and trade to 2020.

**General Information:**

## Production

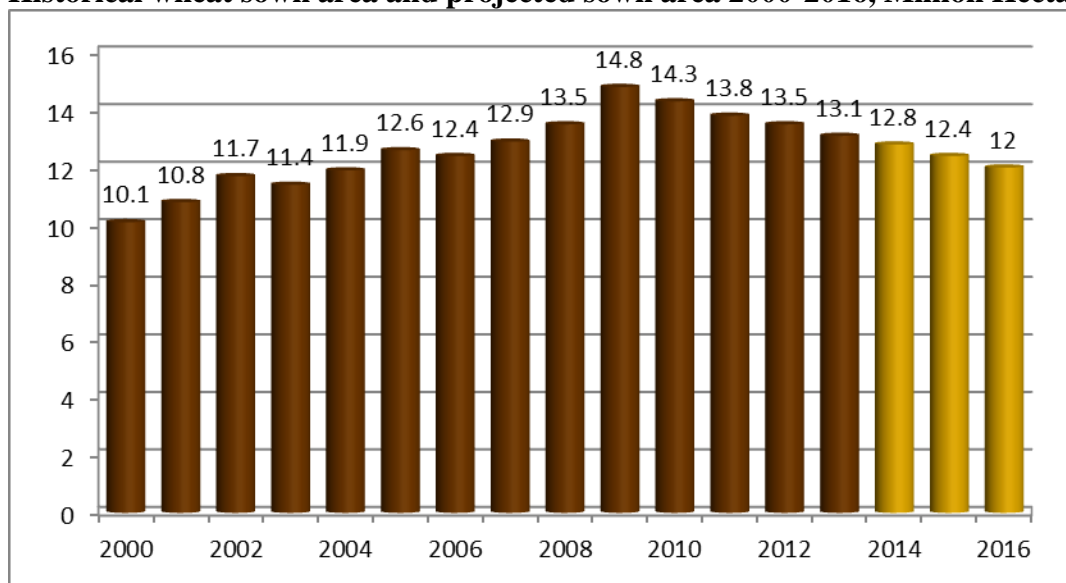
### 2014 Production

FAS/Astana forecasts Kazakhstan's wheat production in 2014 at 14.5 MMT, up from 13.9 MMT in 2013. Wheat sown area is expected to fall in 2014 for the 5<sup>th</sup> consecutive year, and this will also reduce harvested area. However, a return to trend yields in 2014 (2013 yields were below trend) would allow for a small increase in production from last year.

FAS/Astana forecasts Kazakhstan barley production at 2.6 MMT in 2014, only slightly higher than in 2013 (2.5 MMT). This higher production is expected because of higher sown and harvested area.

The trend of land shifting from wheat to other grains and to oilseeds is expected to continue in 2014. The government has a long term plan to encourage this diversification (recently wheat accounted for over 80 percent of total grain area, and over 60 percent of total crop area). The primary stated reasons for this shift is the difficulty in getting wheat to export markets due to Kazakhstan's landlocked status, and the desire to increase domestic consumption of grain in Kazakhstan. This increased consumption is primarily for livestock feeding, as the Government has a goal to turn Kazakhstan into an exporter of meat products. The Kazakh Ministry of Agriculture recently estimated that for 2014, wheat sown area will fall to 12.8 million hectares, compared to 13.1 million in 2013; oilseed area will remain largely unchanged at 2.0 million hectares; and feed crops sown area will increase to 3.4 million hectares from 3.1 million hectares in 2013.

### **Historical wheat sown area and projected sown area 2000-2016, Million Hectares**



Source: Ministry of Agriculture

In order to support this diversification strategy, subsidies for “priority” crops such as oilseeds and feed grains (including barley) will increase at the expense of subsidies for wheat. In a recent presentation the Minister of Agriculture stated that the per hectare subsidies for barley, corn for grain, rapeseed, soybeans, pasture grasses, and corn for silage would rise dramatically in 2014 (see table below). These subsidies are typically in the form of fuel subsidies, fertilizer and herbicide subsidies, and other items for

spring sowing and harvesting, as well continued lower interest rates for leasing of agricultural machinery.

### **Subsidies for Priority Crops in Tenge/Hectare**

Crop	2013 subsidy	2014 projected subsidy	Change
Barley	727	2,500	+244%
Corn for grain	7,271	30,000	+313%
Rapeseed	4,172	12,000	+187%
Soybeans	3,276	9,000	+175%
Pasture grasses	2,500	9,000	+260%
Corn for silage	2,200	10,000	+355%

Source: Kazakh Ministry of Agriculture (current exchange rate is 182 tenge/\$1 U.S.)

Although still a month before spring planting begins, the official Kazakh weather service, Kazhydromat, has stated that as a result of sufficient fall and winter precipitation, it is expected that by the start of the sowing season soil moisture reserves will be sufficient and “optimal”.

### Long-term production trends

In 2013, the Kazakh Ministry of Agriculture released a Master Plan for “The stabilization of the grain market”. This Plan is in support of their Agribusiness – 2020 program and in it the Ministry sets goals and projections for grain production, consumption and exports between 2013-2020. A few key trends shown in these projections include:

- The Ministry projects sown area for all grains to stay relatively steady over this period, falling only slightly.
- There is projected to be a sizeable shift from wheat, with wheat area projected to fall 2 million hectares (14 percent) from 13.5 million hectares in 2012 to 11.5 million hectares in 2020.
- Most of that reduced area is expected to be replaced with so called “feed crops” primarily feed grains, which are projected to increase 1.5 million hectares (53 percent) from 2.8 million hectares to 4.3 million hectares in 2020.

Overall, the Master Plan projects that the drop in wheat area will be largely compensated by increased yields, and that wheat production between 2014-2020 will fall slightly to a projected 14.4 MMT in 2020. The Plan also forecasts increases in the use of moisture saving technologies in Kazakhstan (including no-till), in the purchase of agricultural equipment, and an increase in the use of mineral fertilizers. This information and more detailed tables on area, yield, and production projections can be found in the Appendix.

Although biotech crop cultivation is not currently allowed in Kazakhstan, in January 2014 Kazakh President Nursultan Nazarbayev instructed the Government to adjust the agricultural development plans to include the use of biotech crops. In his remarks he stressed the dramatic spread of biotech crop cultivation throughout the world, and that Kazakhstan needed to “keep up with the times”.

### **Consumption**

Food, seed, and industrial (FSI) consumption for wheat is expected to remain unchanged in marketing year (MY) 2014/15 at 4.8 MMT. Although flour consumption is expected to expand in-line with

population growth, seed use is forecast to continue to shrink as planted area shifts from wheat. Industrial use (primarily for spirit production) is expected to remain steady.

Feed use of wheat in MY 2014/15 is forecast to be flat, while feed use of barley is expected to rise from 1.8 MMT to 2.0 MMT. Although wheat remains the most fed grain in Kazakhstan for livestock, most of the increase in feeding in future years is expected to be in barley and other feed grains and grasses due to the government's strategy to increase area dedicated to these crops.

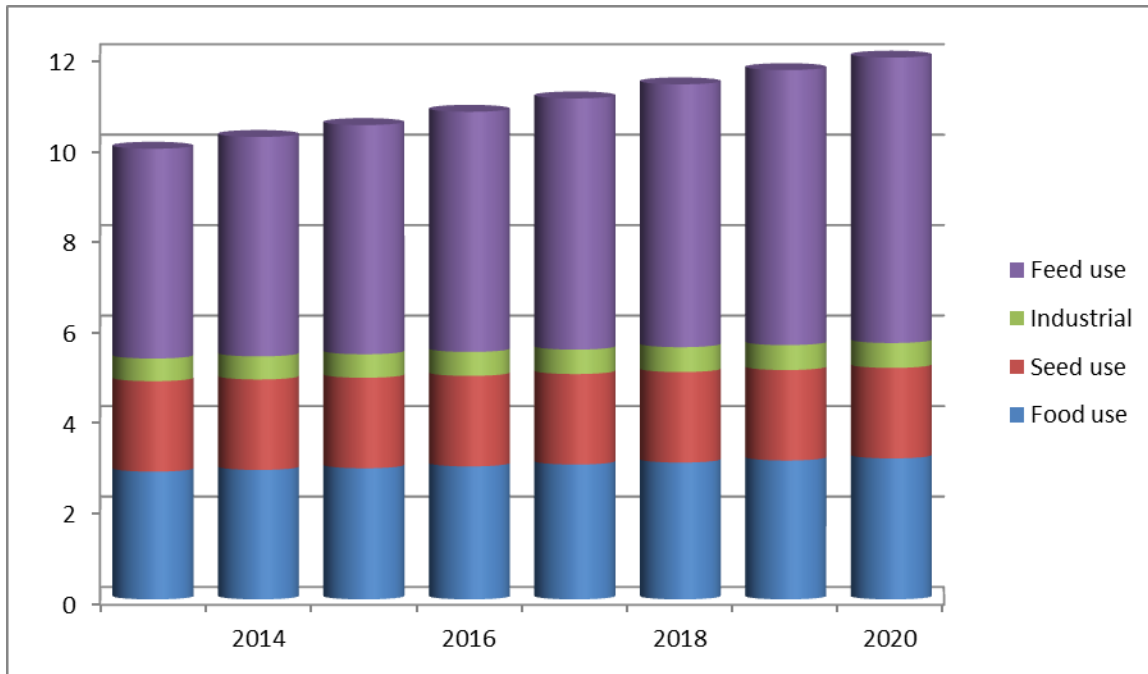
The Government of Kazakhstan has stated it is committed to keeping bread prices stable in Kazakhstan, and the Kazakh Ministry of Agriculture, regional administrations and the Food Contract Corporation signed memoranda aimed to stabilize bread prices for the rest of MY 2013/14. This was in response to the devaluation of the tenge. According to the memorandums, the Food Corporation will provide over 500,000 tons of grain at a reduced price of 30,000 tenge, including VAT per ton (approximately \$163 per ton with the new exchange rate, compared to market prices more than \$20 higher than this). The grain will be sold and transported from February 17, 2014 to August 2014.

#### Long-term consumption trends

The Master Plan projects that in the next 7 years, per capita grain (primarily wheat) consumption for food will not show any growth, and will remain at an estimated 167 kg per person annually. As a result, the only expected growth in food consumption between 2013 and 2020 will be due to population growth, and both the Kazakh population and total food consumption of grain are projected to increase 10 percent over this period. Meanwhile, seed use of grain is expected to remain unchanged during this period as grain area remains flat. Industrial production is forecast to increase by 10 percent, entirely due to more use for making spirits, as grain use for making beer is not expected to grow.

Feed consumption of grain is expected to see the strongest increase in this period, as Kazakhstan tries to boost its livestock sector and turn into a major exporter of beef. Overall grain consumption is forecast to increase by 36 percent by 2020, and this is directly attributable to expected higher livestock numbers. (For a more detailed breakout of consumption please see Table 9 in the Appendix).

### **Projected Grain Consumption Growth to 2020, Million Tons**



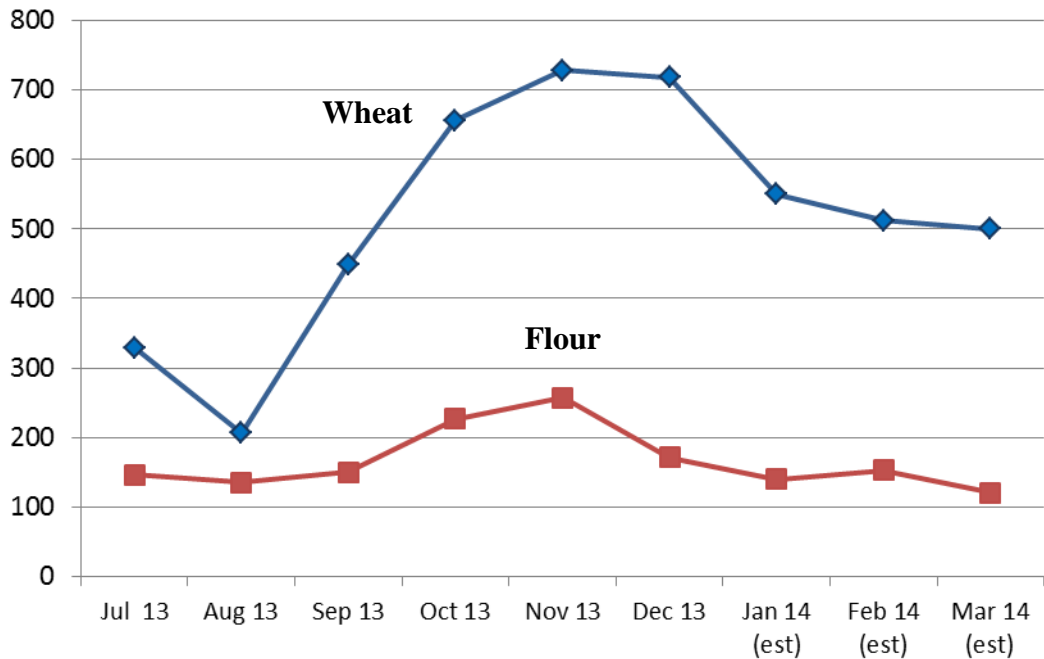
Source: Ministry of Agriculture Master Plan for Grain

### Trade

Kazakh wheat exports are forecast to fall slightly in MY 2014/15 to 7.0 MMT, from 7.5 MMT in MY 2013/14, as a result of tighter exportable supplies. Although production is forecast to rise slightly, lower carry-in stocks are expected to result in total supplies still being below last year's level. The difficulty and high costs of getting Kazakh wheat to external markets will continue to constrain exports, and the lion's share of these exports are expected to continue to be sold to nearby regional buyers.

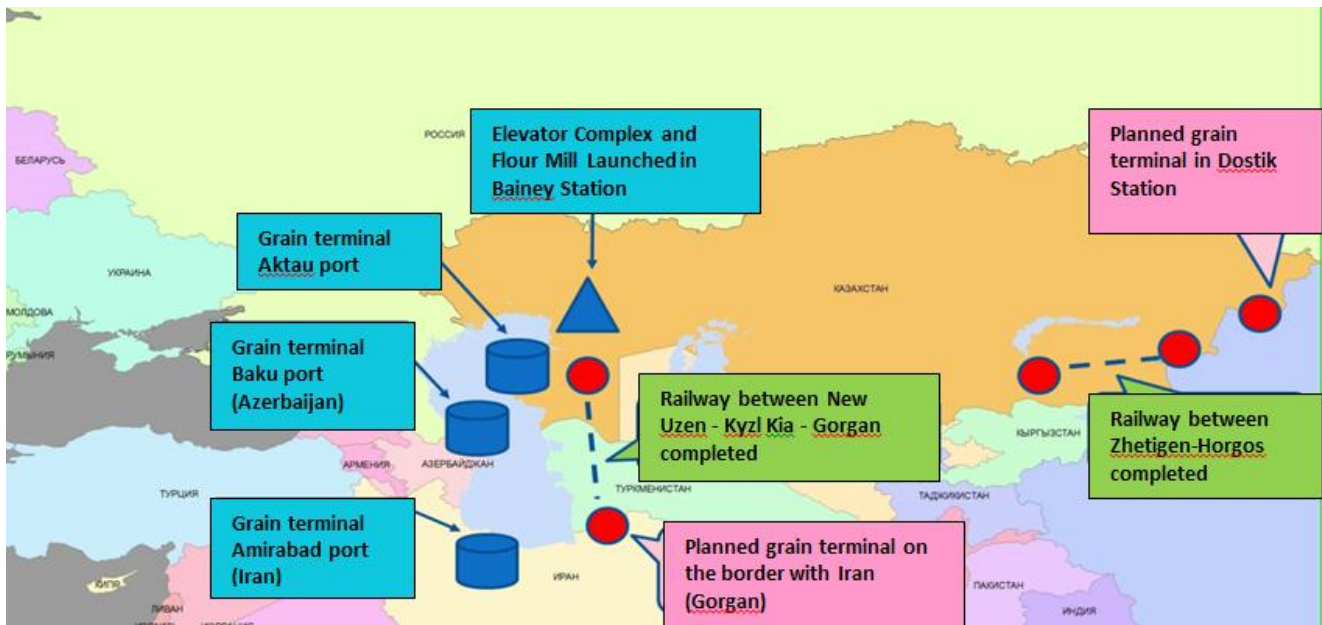
MY 2013/14 wheat exports are estimated at 7.5 MMT, up 20 percent from MY 2012/13. Kazakh exports in recent months have been supported by the devaluation of the tenge, which went from 155 tenge/US\$ to 185 tenge/US\$ in mid-February in an abrupt change. Kazakhstan has also seen larger sales of wheat to Iran and China this marketing year, as well as continued strong sales to Russia. Despite larger harvests in the Urals and Siberia (the main markets for Kazakh wheat in Russia) in 2013, Russia's major railway transportation company, Rusagrotrans, has reported that Kazakh shipments to Russia are actually higher this marketing year than last.

### Kazakh Wheat and Flour Exports, Thousand Tons



Source: Kazakh Customs, Railway Data and FAS/Astana estimates

### Development of Export infrastructure Projects



Source: Ministry of Agriculture Master Plan for Grain published in 2013

The Ministry of Agriculture continues to have a strategy of building export infrastructure to support grain and flour shipments. The Ministry in their 2013 Master Plan reported on the progress of these infrastructure projects, and explained that grain terminals in the ports of Aktau (Kazakhstan), Baku (Azerbaijan), and Amirabad (Iran) are already functioning (wholly or partially financed by the Food Contracting Corporation). In addition, in order to increase grain exports to Central Asia, Afghanistan

and Iran, an elevator complex and flour mill was built in Bainey station, in Southern Kazakhstan (please see map below). The Ministry also reported that two new railroad links were completed, one between South Kazakhstan and the Turkmenistan-Iranian border, and the other between East Kazakhstan and the Chinese border. They also announced future plans for the eventual construction of grain terminals on both the Iranian and on the Chinese borders.

#### Long term trend in grain and flour trade

The Kazakh Ministry of Agriculture in their Master Plan forecasts grain exports (including flour) to rise by 17 percent between 2014 and 2020, to 9.1 MMT. However, they forecast all of the increase will be in flour exports, and the Ministry foresees no long-term growth in non-flour grain exports.

In terms of export destinations, the Ministry projects the following trends to 2020:

--Historically traditional buyers of Kazakh grain and flour (Afghanistan, Azerbaijan, Iran, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan) are forecast to account for 72 percent of Kazakhstan's exports, unchanged from the average of 2008-2012.

--China, and to a lesser extent, Southeast Asia, are projected to become larger buyers of Kazakh grains, growing from less than 1 percent of Kazakh grain and flour exports to 12 percent in 2020 (to 800,000 MT and 300,000 MT of exports, respectively).

--Exports to all other markets are expected to shrink from 27 percent in 2008-2012 to 16 percent of total grain and flour exports by 2020 (see Table 10 in the Appendix for more information).

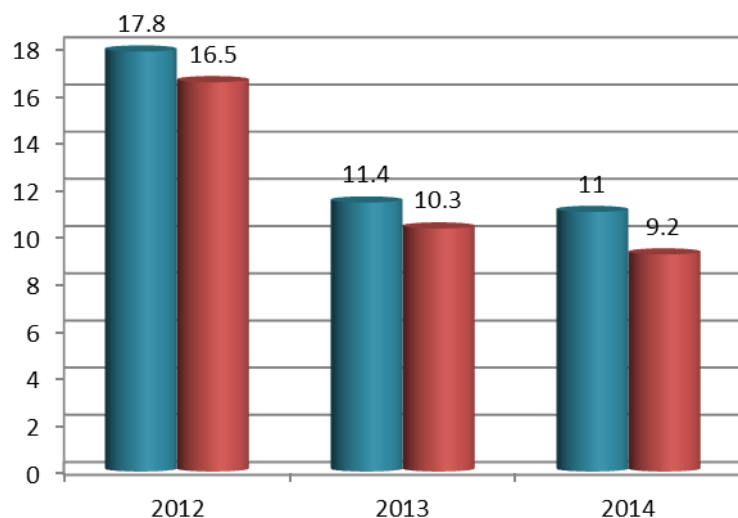
#### **Stocks**

MY 2014/15 wheat carry-in stocks are expected to be at 3.0 MMT, nearly 1 MMT lower than MY 2013/14 carry-in stocks. Grain stocks in Kazakhstan as reported by the Kazakhstan Statistical Agency of March 1<sup>st</sup>, were lower than in the previous two years, and were at 11.0 MMT, down from 11.4 MMT last year. Stocks of wheat were down to 9.2 MMT compared to 10.3 MMT on March 1<sup>st</sup> last year, while barley stocks were double last year's level at 1.2 MMT, compared to 0.6 MMT.

#### **Grain Stocks as of March 1<sup>st</sup>**

Grain	(1,000 MT)		
	2012	2013	2014
Wheat	16,544	10,314	9,231
Corn	28	30	43
Rice	94	116	121
Barley	827	576	1,180
Rye	17	9	22
Oat	124	87	166
Buckwheat	21	27	56
Millet	24	19	28
Mixed Grains	65	168	n/a
Total Grains	17,830	11 409	10,957

#### **Grain and Wheat Stocks as of March 1st, Million Tons**



Source: Kazakhstan Statistical Agency

#### Long term trend in storage capacity

Currently, the Ministry estimates grain storage capacity in Kazakhstan at 24.1 MMT, including 13.9 MMT in elevators and 10.2 MMT on-farm. Although this capacity would be sufficient for “average” production years, the Ministry estimates that in years of bumper harvests, this capacity is nearly 3 MMT less than necessary, hence the need to increase capacity (see table below).

#### **Projected Grain Storage Capacity Needs, Million Tons**

	Projected Grain Production by 2020	Projected Grain Production in “bumper” harvest years	Grain Storage Capacity	Deficit of Grain Storage Capacity
Kazakhstan	21.068	27.043	24.091	-2.95

Source: Ministry of Agriculture Master Plan for Grain published in 2013

In order to cover this storage deficit, the Ministry of Agriculture’s goal and projection in its Master Plan is to increase total grain storage in Kazakhstan by 3.5 MMT by 2020, including an increase of 350,000 tons of capacity owned by the Food Contracting Corporation (FCC) in border regions to help facilitate exports.

#### **Projected Grain Storage Construction by the FCC in Export Directions, tons**

Export direction	Grain storage location	Capacity
Northern	North-Kazakhstan region, Novo-Ishimskoye station (near Russian border)	50,000
Western	Mangistau region, Kuryk station (Caspian Sea)	50,000
Southern	South-Kazakhstan region, Arys station (near Uzbek border)	200,000
	Almaty region, Altynkol station (near Chinese border)	50,000
TOTAL	Country-wide	350,000

Source: Ministry of Agriculture Master Plan for Grain published in 2013

#### **Prices**

Grain export prices in Kazakhstan have shown relatively little change over the past few months, with prices for 3<sup>rd</sup> class wheat at the Russian border at \$195 per MT on average, and prices for barley at the Caspian port of Akatu around \$225 per MT on average.



## PSD Tables

Wheat Kazakhstan	2012/2013		2013/2014		2014/2015	
	Market Year Begin: Sep 2012		Market Year Begin: Sep 2013		Market Year Begin: Sep 2014	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested	12,400	12,400	12,954	12,954		12,750
Beginning Stocks	6,176	6,477	2,935	3,840		2,991
Production	9,841	9,841	13,941	13,941		14,500
MY Imports	6	6	10	10		10
TY Imports	6	6	10	10		10
TY Imp. from U.S.	0	0	0	0		0
Total Supply	16,023	16,324	16,886	17,791		17,501
MY Exports	6,288	6,288	6,500	7,500		7,000
TY Exports	6,801	6,801	7,000	7,500		7,000
Feed and Residual	2,000	1,700	2,500	2,500		2,500
FSI Consumption	4,800	4,500	4,800	4,800		4,800
Total Consumption	6,800	6,200	7,300	7,300		7,300
Ending Stocks	2,935	3,840	3,086	2,991		3,201
Total Distribution	16,023	16,328	16,886	17,791		17,501

1000 HA, 1000 MT, MT/HA

Barley Kazakhstan	2012/2013		2013/2014		2014/2015	
	Market Year Begin: Jul 2012		Market Year Begin: Jul 2013		Market Year Begin: Jul 2014	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested	1,600	1,600	1,837	1,837		2,000
Beginning Stocks	195	195	162	152		301
Production	1,500	1,490	2,539	2,539		2,600
MY Imports	6	6	10	10		10
TY Imports	10	10	10	10		10
TY Imp. from U.S.	0		0	0		0
Total Supply	1,701	1,691	2,711	2,701		2,911
MY Exports	164	164	300	300		300
TY Exports	151	151	400	300		300
Feed and Residual	1,150	1,150	1,800	1,800		2,000
FSI Consumption	225	225	300	300		300
Total Consumption	1,375	1,375	2,100	2,100		2,300
Ending Stocks	162	152	311	301		311
Total Distribution	1,701	1,691	2,711	2,701		2,911

1000 HA, 1000 MT, MT/HA

## APPENDIX

**Table 1 Forecast planted area of primary crops to 2020, in 1000 hectares**

Crops	2012 actual	Forecast							
		2013	2014	2015	2016	2017	2018	2019	2020
Total crop area	21,494.7	21,523.1	21,771.0	22,013.7	22,260.2	22,385.6	22,616.7	22,846.6	22,969.5
Grain	16,244.0	16,119.2	16,117.0	16,120.0	16,025.7	16,002.0	16,002.1	16,002.1	16,002.0
Including wheat	13,463.2	13,213.7	12,999.1	12,631.2	12,272.6	12,000.0	11,800.0	11,600.0	11,500.0
Rice	92.9	87.2	85.7	84.6	84.1	83.0	82.0	81.0	80.0
Corn	101.9	113.6	119.6	125.6	133.0	133.0	134.0	134.0	135.0
Other grains	2,586.0	2,704.7	2,912.6	3,278.6	3,536.0	3,786.0	3,986.1	4,187.1	4,287.0
Oilseeds	1,842.7	1,819.9	1,884.3	1,937.9	1,983.8	2,000.0	2,020.0	2,040.0	2,050.0
Including sunflower	791.2	858.8	834.5	801.2	776.2	770.0	767.0	764.0	760.0

Soybeans	82.2	99.6	115.4	131.3	147.2	148.0	148.0	149.0	150.0
Safflower	272.3	261.5	261.4	263.4	266.6	267.0	268.0	269.0	270.0
Rapeseeds	227.8	228.8	278.2	327.4	369.3	380.0	385.0	390.0	400.0
Flax	419.3	342.1	365.0	381.2	391.0	405.0	426.0	444.0	450.0
Other oilseeds	49.9	29.1	29.8	33.4	33.5	30.0	26.0	24.0	20.0
Sugar beets	19.1	20.9	21.4	21.7	21.9	22.0	22.0	22.0	22.0
Cotton	147.8	140.0	130.0	125.0	120.0	120.0	120.0	120.0	120.0
Tobacco	1.3	0.8	0.8	0.8	0.8	0.6	0.6	0.5	0.5
Potato	189.8	189.3	193.1	197.2	200.6	202.0	203.0	204.0	205.0
Vegetables and horticulture	209.7	198.3	200.8	205.1	208.9	211.0	215.0	219.0	225.0
Including vegetables	128.0	132.0	133.8	137.6	140.3	141.0	142.0	143.0	145.0
Horticulture	81.7	66.3	66.9	67.5	68.6	70.0	73.0	76.0	80.0
Feeding crops	2,840.3	3,034.7	3,223.6	3,405.9	3,698.5	3,828.0	4,034.0	4,239.0	4,345.0
Including silage	8.8	129.8	176.0	209.0	242.8	243.0	244.0	244.0	245.0
Annual grasses	286	451.8	474.6	514.6	582.2	585.0	590.0	595.0	600.0
Permanent grasses	2,437.6	2,453.1	2,573.0	2,682.3	2,873.5	3,000.0	3,200.0	3,400.0	3,500.0

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 2 Forecast for moisture saving and no-till technology, 1,000 hectares**

	2012 actual	Forecast							
		2013	2014	2015	2016	2017	2018	2019	2020
Moisture saving technology	12,433	12,480	12,518	12,575	12,623	12,668	12,716	12,765	12,800
No-till	2,496	2,783	3,071	3,358	3,546	3,934	4,222	4,512	4,800

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 3 Forecast purchase of agricultural machinery for moisture saving technology under budget program on subsidized interest rate on financial leasing, units**

Title	2013	2014	2015	2016	2017	2018	2019	2020	TOTAL
Combines	569	700	720	1850	1775	1201	665	665	8,145
Sowing complex	173	318	400	490	340	288	2500	179	2,438
Sprayers	95	115	140	220	354	157	100	93	1,274
Harvesters	320	650	770	710	650	497	209	200	4,006
Seeders	950	1,200	1,200	987	800	980	600	600	7,317
<b>TOTAL</b>	<b>2,107</b>	<b>2,983</b>	<b>3,230</b>	<b>4,257</b>	<b>3,919</b>	<b>3,123</b>	<b>1,824</b>	<b>1,737</b>	<b>23,180</b>

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 4 Forecast purchase of agricultural machinery under budget program on subsidized interest rate of ag machinery leasing, units**

Title	2013	2014	2015	2016	2017	2018	2019	2020	TOTAL
Combines	1,263	1,840	1,820	1,860	1,906	1,878	1,132	1,132	12,833
Sowing complex	173	318	400	490	340	350	250	179	2,500
Sprayers	95	252	257	272	286	288	129	129	1,708
Harvesters	239	373	370	385	413	407	230	230	2,647
Seeders	813	1,282	694	1,182	1,324	1,408	730	801	8,234
<b>TOTAL</b>	<b>2,583</b>	<b>4,065</b>	<b>3,541</b>	<b>4,189</b>	<b>4,271</b>	<b>4,331</b>	<b>2,471</b>	<b>2,471</b>	<b>27,922</b>

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 5 Volume of mineral fertilizers, covered with subsidies, 1000 tons**

Title	2013	2014	2015	2016	2017	2018	2019	2020
Country total	126,669	162,731	165,187	187,030	205,276	218,745	231,954	245,769

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 6. Agricultural crops yields analysis (centners/hectare)**

Crops	Average		Last 3 years			Forecast for 2020
	10 years (2003-2012)	5 years (2008-2012)	2010	2011	2012	
Grain crops	11.1	11.2	8.0	16.9	8.6	13.2
Including wheat	10.6	10.7	7.3	16.6	7.9	12.5



Grain demand, 000 tons	2,824	2,861	2,899	2,940	2,981	3,025	3,070	3,117
Grain for seeds								
Grain crops area, 000 hectares	16,119	16,117	16,120	16,025	16,002	16,002	16,002	16,002
Seeds per 1 hectare, kg	124	124	124	125	125	125	125	125
Seeds demand, 000 tons	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Forage grain								
Livestock population, 000 conditional heads	10,784	11,280	11,779	12,342	12,912	13,509	14,135	14,790
Consumption per 1 conditional head of livestock, 00 kg	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Demand, 000 tons	4,637	4,850	5,065	5,307	5,552	5,809	6,078	6,308
Grain for industrial processing								
For spirit production, 000 tons	350	3560	370	380	390	400	400	400
For beer production, 000 tons	150	150	150	150	150	150	150	150
Total, 000 tons	500	510	520	530	540	550	550	550
Total domestic consumption, 000 tons	9,961	10,221	10,484	10,777	11,073	11,384	11,698	11,975

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 10. Forecasted Kazakh exports to traditional and other markets by 2020**

Country	Average annual grain and flour imports during 2008-2012, 000 tons	Average annual population growth during 9 years (2003-2001 years), %	Population growth forecast for 2013-2020, %	Grain and flour Imports growth forecast by 2020, 000 tons	Grain and flour imports forecast by 2020, 000 tons
Afghanistan	747.7	0.66	5.28	39.5	787.2
Azerbaijan	1,055.5	2.36	18.88	199.3	1,254.8
Iran	676.2	1.72	13.76	93.0	769.2
Kyrgyzstan	461.8	1.37	10.96	50.6	512.4
Tajikistan	979.5	1.47	11.76	115.2	1,094.7
Turkmenistan	169.1	0.64	5.12	8.7	177.8
Uzbekistan	1,802.4	1.03	8.24	148.5	1,950.9
Total by traditional grain importers	5,892.2	1.37	10.96	654.8	6,547.0
Share in total exports, %	71.8				71.6
Other importers	2,319.4				2,595.0
Including: China	51.7				800.0
South-East Asia	2.0				300.0
Other countries	2,265.7				1,495.0
Total grain and flour exports	8,211.6				9,142.0

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 11. Forecast grain balance for 2013-2020 (000 tons)**

Indicator	2013	2014	2015	2016	2017	2018	2019	2020
Grain production	18,511	18,875	19,255	19,526	19,864	20,247	20,644	21,067
Grain imports	50	50	50	50	50	50	50	50
Total supply grain	18,561	18,925	19,305	19,576	19,914	20,297	20,694	21,117
Domestic consumption	9,961	10,221	10,484	10,777	11,073	11,384	11,698	11,975

Including: food	2,824	2,861	2,899	2,940	2,981	3,025	3,070	3,117
Seeds	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Forage	4,637	4,850	5,065	5,307	5,552	5,809	6,078	6,308
Food processing	500	510	520	530	540	550	550	550
Exports	8,599	8,704	8,820	8,800	8,840	8,914	8,997	9,142

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 12. Grain exports and revenue forecasts revenues**

Grain and flour exports, 000 tons	8,599	8,704	8,820	8,800	8,840	8,914	8,997	9,142
Including grain, 000 tons	5,599	5,604	5,620	5,500	5,440	5,514	5,497	5,643
Price for 1 ton, USD	218	218	218	218	218	218	218	218
Revenues, million USD	1,220	1,221	1,225	1,199	1,186	1,202	1,198	1,230
As a flour, 000 tons	2,100	2,170	2,240	2,310	2,380	2,380	2,450	2,450
Price for 1 ton, USD	305	305	305	305	305	305	305	305
Revenues, million USD	640	662	683	705	725	726	747	747
Total revenues on grain and flour exports, million USD	1,861	1,883	1,908	1,904	1,912	1,928	1,946	1,977

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Table 13. Prospects for grain storage capacity, 1000 tons**

Regions	Production forecast by 2020	Production forecast in good harvest year	Grain storage capacity			Missing storage capacity	Storage capacity construction forecast during 2013-2020
			Total	Including			
				Elevator	On-farm		
AKMOLA	5,108	6,624.1	5,657.1	3,789.7	1,867.4	967.0	967
AKTOBE	423.1	542.3	912.3	573.0	339.3	-370.0	
ALMATY	1,293.8	1,643.6	728.4	243.2	485.2	915.2	720
ATYRAU	0.9	1.3				1.3	
EAST-KAZ	848.4	1,069.7	1,137.2	574.8	562.4	-67.5	
ZHAMBYL	458.3	584.8	339.0	23.0	316.0	245.8	160
WEST-KAZ	349.8	444.5	790.6	624.8	165.8	-346.1	
KARAGANDA	662.1	843.3	599.1	202.8	396.3	244.2	244
KYZYLORDA	323.9	364.5	275.8	223.7	52.1	88.7	80
KOSTANAY	5,166.5	6,635.2	6,576.5	3,880.3	2,696.2	58.7	59
MANGISTAU	0.0		122.0	122.0		-122.0	
PAVLODAR	519.4	649.8	875.5	185.3	690.2	-225.7	
NORTH-KAZ	5,468.9	7,073.4	6,003.7	3,409.8	2,593.9	1,069.7	1,070
SOUTH-KAZ	443.6	565.3	73.9	73.9		491.4	200
TOTAL	21,067.6	27,042.9	24,091.1	13,926.3	10,164.8	2,951.8	3,500

Source: Ministry of Agriculture Master Plan for Grain published in 2013

**Commodities:**

Select