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Wheat Outlook

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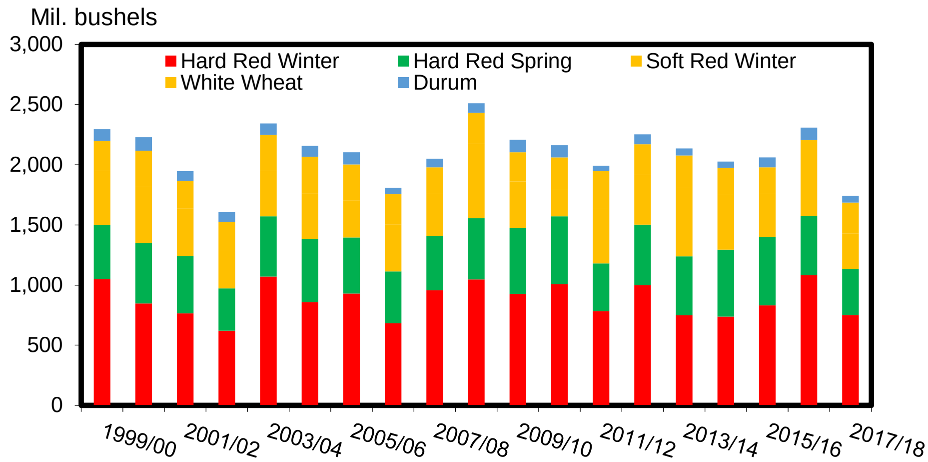
U.S. All-Wheat Production Marginally Higher; Feed and Residual Use Lowered 30 Million Bushels

U.S. all-wheat production is raised 1.36 million bushels to 1,741 million this month, following updates reported in the USDA, NASS *Small Grains Annual Summary* on September 29. Production gains for other spring and durum more than offset a reduction in the winter wheat harvest (figure 1). The all-wheat feed and residual use is reduced 30 million bushels to 120 million on lower-than-expected first-quarter disappearance. U.S. corn feed and residual is raised this month, dampening wheat feeding prospects through the end of 2017/18.

Figure 1: U.S. wheat production by class 1/



1/ 2017 production figures are as reported in the September 29 *Small Grains Annual Summary.*
Source: USDA, National Agricultural Statistics Service. *Quickstats database.*

Projected 2017/18 world wheat production (second highest on record) is boosted further this month. Foreign wheat output is projected almost 6 million tons higher, with increases for India, the European Union (EU), Russia, Turkey, and Canada partly offset by lower projected wheat production in Australia. Global wheat exports are unchanged and are slightly ahead of last year's record. U.S. wheat export prospects are unchanged this month.

Domestic Outlook

Domestic Highlights

- The September 29 USDA, NASS *Small Grains Annual Summary* increased U.S. 2017 all-wheat production estimate by 1.36 million bushels.
    - o A near-18-million-bushel reduction in winter wheat production is more than offset by increased forecasts for other spring and durum wheat, raised 4.4 million and 14.7 million bushels, respectively.
- The USDA, NASS *Grain Stocks* report provided updates for wheat stocks for 2016/17 and 2017/18.
    - o Ending stocks for 2016/17 are reduced by about 4 million bushels, lowering carry-in for 2017/18.
- September 1 wheat stocks imply lower-than-expected first-quarter (June-August) 2017/18 disappearance.
- Feed and residual use for 2017/18 is projected 30 million bushels lower on reduced availability of hard red winter wheat and strong competition from other feed grains.
- Forecast ending stocks for 2017/18 are raised 27 million bushels this month to 960 million.
- The all-wheat season-average farm price is unchanged at $4.60 per bushel.
- Historical supply and utilization tables have been updated with the latest NASS data, including revised seed-use data through 2014/15, and are available on the [USDA ERS Wheat Data]() landing page.
- Updated rye balance sheets, reflecting revised seed and industrial use estimates, were released this month and are now available on the [USDA FAS Production, Supply, and Distribution (PS&D) database]().
- On November 1, USDA, NASS will release the latest *Flour Milling Products* report. Any related updates to the wheat balance sheet will be reflected in the November 9 WASDE.

Figure 2: U.S. all-wheat production 2017/18 vs. 2016/17

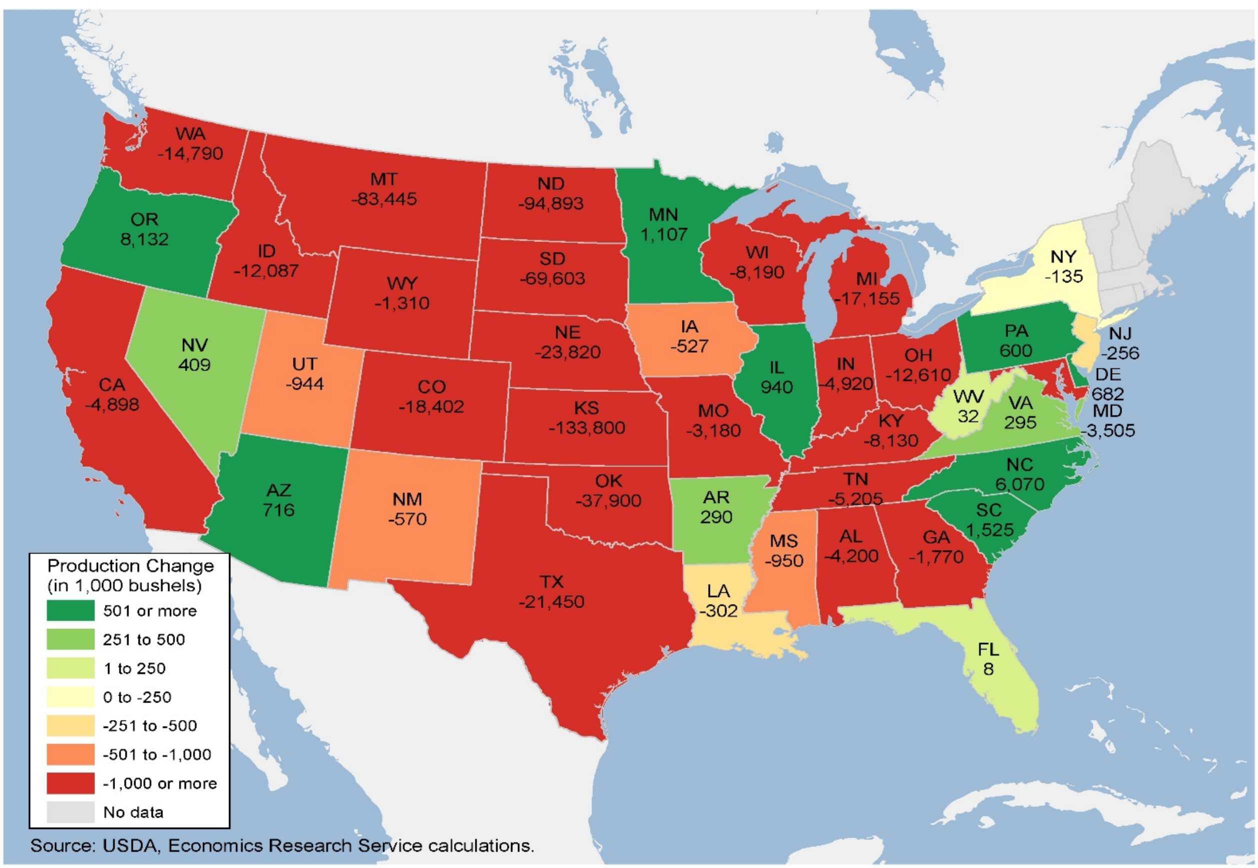


Table 1 - U.S. wheat supply and utilization at a glance 2017/18, October 2017				
Balance Sheet Item	**2017/18 (September)**	**2017/18 (October)**	**2017/18 Change from previous month**	**2017/18 Comments**
Supply, Total				***May-June Marketing Year (MY)***
Beginning Stocks	1,184.4	1,180.7	**-3.7**	*Grain Stocks* report included revision for 2016/17 ending stocks, lowering carry-in for 2017/18.
Production	1,739.2	1,740.6	**1.4**	*Small Grains* report indicates slight, net increase in 2017/18 all wheat production on reduced winter wheat production (down 18 million bushels) while other spring and durum are increased roughly 15 and 4 million bushels, respectively.
Imports	150.0	150.0	**0.0**	Based on pace of trade, soft red winter imports are raised 1 million bushels; durum imports are lowered by an offsetting volume.
Supply, Total	3,073.6	3,071.3	**-2.4**	
Demand				
Food	950.0	950.0	0.0	Food use will be reassessed following the November release of the NASS *Flour Milling Products* report.
Seed	66.0	66.0	0.0	
Feed and Residual	150.0	120.0	**-30.0**	Lower-than expected first quarter disapperance combines with lower hard red winter (HRW) production to support reduced a reduced feed and residual use projection.
Domestic, Total	1,166.0	1,166.0	**0.0**	
Exports	975.0	975.0	**0.0**	All-wheat exports are unchanged this month. HRW exports lowered 10 million bushels, hard red spring increased 5 million, white wheat increased 5 million.
Use, Total	2,141.0	2,141.0	**0.0**	
Ending Stocks	932.6	960.3	**27.6**	Carry-out increased on projected lower feed and residual use.
Source: USDA, World Agricultural Outlook Board.				

Winter Wheat Wanes on Lower Harvested Area

Winter wheat production is lowered nearly 18 million bushels this month from the September projection, largely due to a 14-million-bushel reduction in the soft red wheat (SRW) projection. Hard red winter (HRW) wheat production for 2017/18 is lowered 8 million bushels from the September estimate; the 2016/17 HRW forecast was revised slightly upward. Aggregate winter wheat production for 2017/18 is now projected at 1,269 million bushels, up 17.7 million bushels from the September projection but more than 400 million bushels lower than the 2016/17 estimate.

USDA, NASS estimates winter wheat yields at 50.2 bushels per acre, which compares to the record-setting 55.3 bushels for the 2016/17 marketing year. The winter wheat yield forecast published in the *Small Grains Annual Summary* is 0.2 bushel per acre higher than the August projection and reflects a 1-bushel-per acre yield increase for Kansas, which more than offsets reduced yield projections in States with more modest winter wheat production.

Harvested wheat area for 2017/18 is projected at 25.3 million acres, down about 500,000 acres from the previous forecast and down about 5 million acres from the 2016/17 estimate. Sizable declines in winter wheat harvested area (between August and the final projection released in the *Small Grains Annual Summary*) are evident in the drought-affected States of Montana (down 130,000 acres) and South Dakota (down 130,000 acres). Harvested winter wheat area for Texas is lowered 150,000 acres, which is offset by a 150,000-acre increase in Oklahoma. Projections for hard red winter (HRW), soft red winter (SRW), and hard/soft white winter (HWW, SWW) are as follows:

2016/17	**HRW**	**SRW**	**HWW**	**SWW**
Planted area (million acres)	26.593	6.020	0.515	3.024
Harvested area (million acres)	21.870	4.977	0.474	2.916
Production (million bushels)	1,082.005	345.229	25.478	219.869
2017/18				
Planted area (million acres)	23.426	5.733	0.589	2.948
Harvested area (million acres)	17.64	4.318	0.522	2.811
Production (million bushels)	750.332	292.156	23.726	203.223

As of October 1, USDA NASS reports that producers had sown 36 percent of the Nation's 2018 winter wheat crop. In 2016, 41 percent of the 2017 crop had been sown by this date, 2 percentage points behind the 5-year average of 43 percent. By October 1, 12 percent of the U.S. winter wheat crop for 2018 had emerged, 6 percentage points behind last year's progress and 4 points behind the 5-year average of 16 percent.

Durum Harvested Area Raised in Drought-Stricken States

After a sharp reduction in August, the final durum production estimate was raised in the NASS *Small Grains Annual Summary* from 50.5 to 54.9 million bushels. The 4.4-million-bushel lift is attributed to significant production gains in Montana and North Dakota (raised 2 million and 3 million bushels, respectively). These increases are largely on expanded harvested area, raised 165,000 and 125,000 acres, respectively, from the August forecast. Yields are unchanged at 24 bushels per acre in North Dakota and down 1 bushel per acre to 16 in Montana. Durum yields in these drought-affected States averaged 40.5 and 41 bushels per acre in 2016.

California is the only State where durum production was revised downward in the *Small Grains Annual Summary* from the August projection, dropping by nearly 1.5 million bushels to 2.5 million on an 18,000-acre reduction in harvested area, despite a slight increase in yield. The forecast for other desert durum grown in Arizona is raised 360,000 bushels to nearly 9 million on improved yields, with harvested area unchanged. While 2017/18 durum production is raised in aggregate from the previous forecast, the current estimate is more than 47 percent lower than production in 2016/17.

Durum	**2016**	**2017**
Harvested area (million acres)	2.360	2.136
Yield (bushels/acre)	44.0	25.7
Production (million bushels)	103.914	54.909

Despite Lower Harvested Area, Other Spring Wheat Yields and Production Raised

Other spring wheat yields were raised from the August forecast in the *Small Grains Annual Summary*, offsetting the effects of reduced harvested area on production. Up 3 bushels per acre to 41 bushels, the average 2017/18 other spring wheat yields are supported by gains in Idaho (up 5 bushels/acre from the August forecast), Minnesota (up 6 bushels), North Dakota (up 5 bushels), and Oregon (up 13 bushels). Since mid-August, drought conditions in North Dakota—where nearly half of the 2017/18 other spring wheat crop was harvested—have steadily improved. According to the U.S. Drought Monitor, in early August more than 44 percent of the State was experiencing D3-D4 level drought; by mid-August, that figure had fallen to 22 percent. As of October 10, less than 2 percent of North Dakota remains in D3-D4 level drought and nearly a third of the State has emerged from drought conditions altogether. In nearby Montana and South Dakota, other spring wheat yields are lowered 1 bushel per acre each from the August projection, reflecting continued dryness.

2017	**HRS**	**HWS**	**SWS**
Planted area (million acres)	10.499	0.106	0.404
Harvested (million acres)	9.669	0.102	0.388
Production (million bushels)	385.005	8.727	22.504

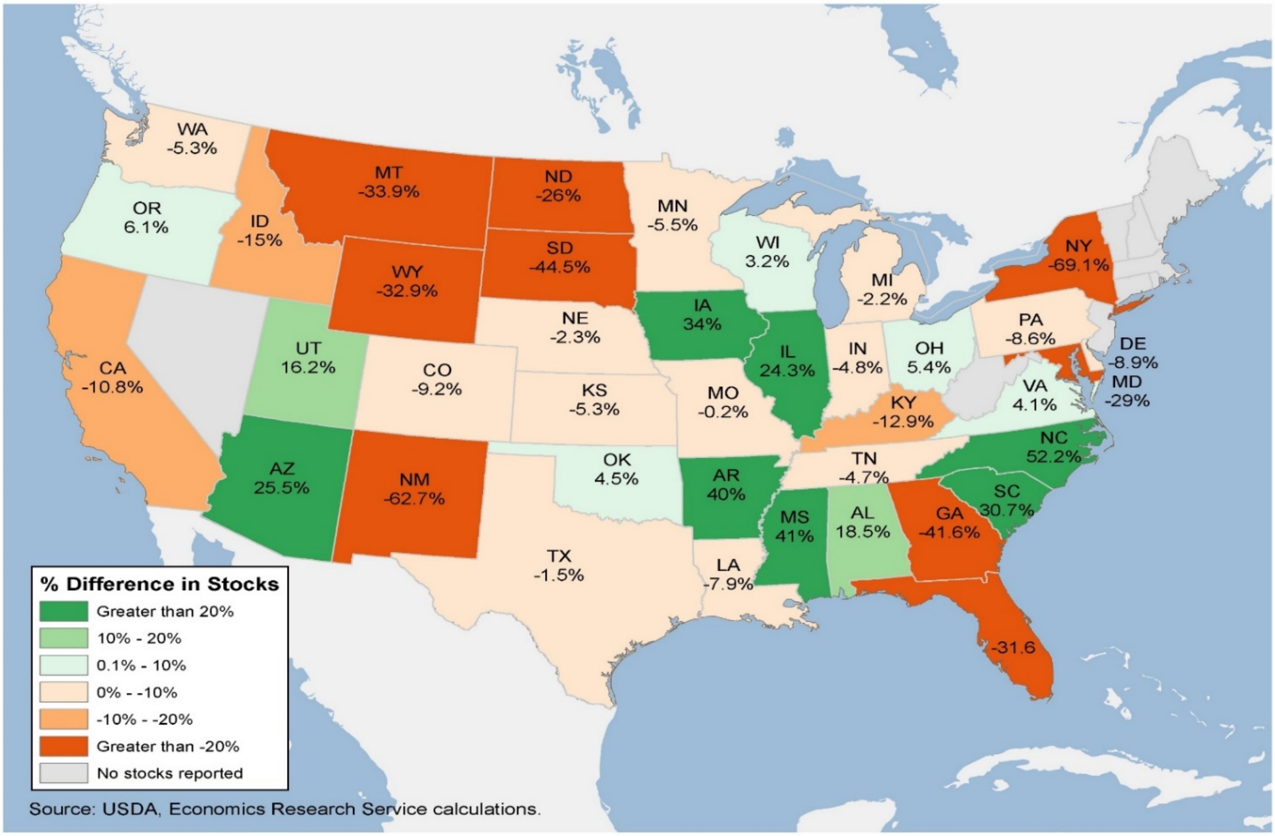
Supply and Demand Estimates Reflect Production and Stocks Updates

The combination of back-year and current marketing year updates to stocks, production, and seed use results in a number of changes to the all-wheat balance sheet this month. Production, in aggregate, was little changed and increased just 1.36 million bushels. With 2017/18 carry-in reduced 3.743 million bushels—based on very slightly higher durum ending stocks, reduced HRW stocks in 2016/17, and no changes to imports—total supplies in the new marketing year are reduced by about 2.4 million bushels. The balance sheet tightening effects of reduced supplies are more than offset by lower use in the first quarter, as implied by the *Grain Stocks* report. September 1 stocks for 2017 are 2,253 million bushels and compare to 2,545 million in 2016. In nearly every State, stocks are lower than for the year prior (figure 3).

Implied first-quarter disappearance of HRW is lower than expected; feed and residual use for this class is trimmed 25 million bushels with a further cut in use of 10 million bushels attributed to exports. This month's increase in corn production, and resulting 25-million-bushel expansion in corn feed and residual use, also supports the significant cut in both HRW and all-wheat feed and residual use. Total use for HRW is lowered 35 million bushels this month, which more than offsets the supply reduction, resulting in a 23-million-bushel increase in HRW 2017/18 projected ending stocks. Production and use updates to other wheat classes combine to support a collective 30 million bushels decline in all-wheat total use and a 27.6-million-bushel increase to all-wheat ending stocks.

The U.S. all-wheat export projection is unchanged this month at 975 million bushels. Exports of HRW wheat are lowered 10 million bushels to 390 million based on the pace of trade to date, reduced domestic production, the recent strengthening of the dollar, and increasing global competition. HRS and white wheat exports are increased 5 million bushels on robust demand from Asian countries and Mexico (in the first quarter). Exports to Mexico in September were markedly lower than for months in the previous quarter. Reduced production from Australia, a major competitor in the international white wheat market, creates opportunities for expanded U.S. exports of the grain. Expansive dryness in eastern Australia results in a 1.0-million-ton reduction in wheat production this month to 21.5 million tons, the lowest total in Australia since 2008/09.

Figure 3: U.S. September 1 stocks, 2017 vs. 2016



As with the local marketing year, the U.S. wheat trade-year-basis (July-June) export forecast for 2017/18 is unchanged this month and remains at 26 million metric tons. Recent modest strengthening of the U.S. dollar tempers potential export prospects, despite opportunities created in spring and white wheat markets. Increased domestic production of durum and high-protein spring wheat caps demand for Canadian supplies at current levels, despite increased Canadian production and robust U.S. imports of these classes through September. A later harvest of other U.S. grains supports rail movements of wheat, including shipments to export ports. The pace of shipments of white wheat continues to be brisk.

All-Wheat Price Unchanged, Range Narrowed 10 Cents

The 2017/18 season-average farm price (SAFP) is unchanged at the midpoint but narrowed 10 cents on the high and low end to $4.40 and $4.80 per bushel. The midpoint price is $4.60 per bushel and compares to the 2016/17 SAFP of $3.89. Last month's SAFP reduction reflected a drop in cash wheat prices, which have recovered some in recent weeks. Increased supplies of spring wheat reduce tightness in the protein market and support maintenance of the SAFP at the current projection.

International Outlook

World Wheat Production Boosted, Approaching Last Year's Record

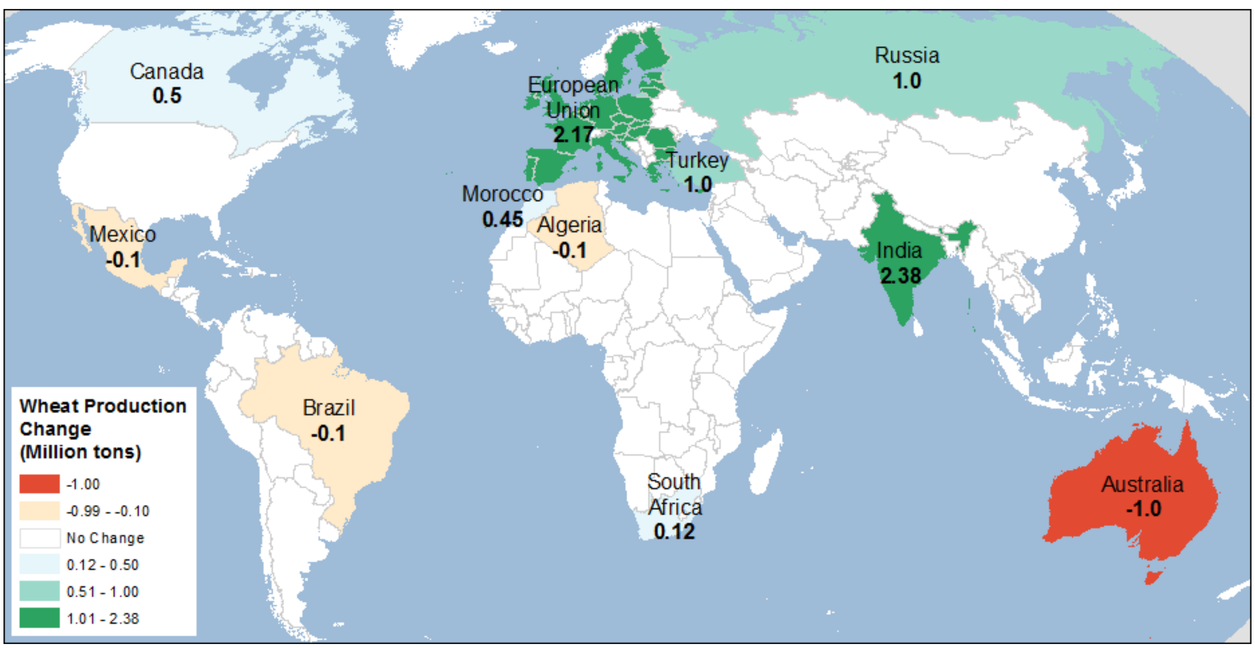
World wheat production in 2017/18 is forecast at 751.2 million tons, up 6.3 million tons this month and less than 3 million tons behind last year's record. Foreign wheat production is also boosted 6.3 million tons this month (the U.S. change is marginal), and is projected 12.5 million tons ahead of last year's record.

Wheat production forecasts for several countries in the Northern Hemisphere have been revised this month based on harvest reports and official information. The largest increases in wheat output this month are for India, European Union (EU), Russia, Turkey, Canada, and Morocco.

Southern Hemisphere wheat production prospects were reduced this month, with Australian output projected 1.0 million tons lower, at 21.5 million tons. Wheat has reached maturity in the northeast, while wheat in the southern and western regions is going through the last stages of the reproductive period. Exceptionally dry, warm weather—starting in August and continuing during the critical month of September—reduced wheat prospects in several growing regions of the country. The drought was especially severe in the northeastern part of Australia—in the States of New South Wales and Queensland—reducing the projected national average yield. On the other hand, in the State of Western Australia (which produces 35-40 percent of the country's wheat), timely September rains are expected to benefit the crop, which at that time was still in its filling stage.

See the largest country changes with brief explanations in table A, while map A shows every production change made this month.

Map A – Wheat production changes for 2017/18, October 2017



Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution database.

Table A - Wheat production at a glance (2017/18), October 2017

Country or region	Crop year	Production	Change from previous month[1]	YoY[2] change	Comments
		Million tons			
World	*Various*	**751.2**	**+6.3**	**-3.0**	
Foreign	*Various*	**703.8**	**+6.3**	**+12.5**	
United States	*June-May*	**47.4**	**No change**	**-15.5**	See section on U.S. domestic wheat.
India	*Apr-Mar*	**98.4**	**+2.4**	**+11.4**	Based on the latest official Government reports confirming very favorable weather and record-high yileds.
EU[3]	*July-June*	**151.0**	**+2.2**	**+5.6**	The individual country harvest reports continue to arrive. Wheat yields and output are projected higher, with the largest increase in **France**, to reach almost 40 million tons, the third best crop in the country's history. Wheat output is also increased for **Germany** and **the United Kingdom**. Small, partly offsetting changes are made for **Sweden** and **Czech Republic**.
Russia	*July-June*	**82.0**	**+1.0**	**+9.5**	Wheat has been harvested from almost 95 percent of area. Winter wheat harvest is over, and favorable harvest conditions boosted spring wheat prospects in Siberia and Ural districts, driving the all-time record wheat crop higher.
Turkey	*June-May*	**21.0**	**+1.0**	**+3.8**	Greatly improved crop conditions during the growing period.
Canada	*Aug-July*	**27.0**	**+0.5**	**-4.7**	Based on harvest reports and supported by the model-based estimates issued by Statistics Canada. Those estimates replace a traditional September Farm Survey.
Morocco	*June-May*	**6.3**	**+0.5**	**+3.6**	Based on official reporting and reflecting favorable growing conditions.
South Africa	*Oct-Sep*	**1.7**	**+0.1**	**-0.2**	Based on latest publication of the South African Crop Estimates Committee (CEC).
Australia	*Oct-Sep*	**21.5**	**-1.0**	**-12.0**	Crop development has been hurt by persistent dryness; see report text.
Mexico	*July-June*	**3.6**	**-0.1**	**-0.3**	Wheat area is reduced as it shifted to more profitable crops, such as cotton.
Brazil	*Oct-Sep*	**5.1**	**-0.1**	**-1.6**	Area is projected lower, as wetness in Rio Grande de Sul and dryness in Parana hampered wheat planting.
Algeria	*July-June*	**2.4**	**-0.1**	**+0.4**	Extended dryness reduced harvested wheat area.

[1]Change from previous month's forecast. Changes of less than 0.2 million tons are also made for several countries; see map A.

[2] YoY: year-over-year changes. [3] EU - European Union.

Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution online database.

Projected 2017/18 World Wheat Feed Use Up This Month

Foreign wheat consumption for 2017/18 is forecast up 2.9 million tons this month to 708.7 million tons. Global domestic wheat use is also increased, though by a smaller amount than foreign consumption, given a decline in U.S. feed consumption (for the U.S. discussion, see the domestic section). Most of the foreign increase is for wheat feed and residual use, up 1.7 million tons this month to 138.2 million tons. Wheat feed and residual use includes losses in storage and handling. With more low-quality wheat and limited storage, losses in the EU and Russia are expected to affect their feed and residual use this year.

See specific country changes in wheat feed use, with brief explanations in table B. Food, seed, and industrial use is raised this month by 1.7 million tons, led by India, which is expected to use 1.0 million more tons of wheat as its supplies grow.

Table B - Wheat domestic consumption at a glance (2017/18),October 2017

	Country or region	Domestic consumption	Change[1]	Comments
		Million tons		
↑	World	739.6	+2.1	
↑	Foreign	708.7	+2.9	Includes feed and residual use as well as food, seed, and industrial use (FSI).
↓	United States	30.9	-0.8	See section on U.S. domestic wheat.
↑	European Union	128.3	+1.0	The country's higher projected wheat output is expected to be partly used for ***feeding animals***, as well as going into stocks.
↑	India	100.0	+1.0	The country's higher wheat output is expected to be partly used to increase ***food*** consumption, as well as to replenish stocks.
↑	Russia	43.5	+0.5	Additional wheat production is expected to be to be used for ***feeding*** animals and to be added to stocks.
↑	Turkey	17.9	+0.2	Larger wheat supplies are expected to be partly used for wheat ***feeding.***
↓	Egypt	19.7	-0.3	Domestic wheat ***food*** consumption is revised slightly down for 2 consecutive years (2016/17 and 2017/18) as the food inflation rate approached 40 percent.

[1]Change from previous month. Smaller changes (under 0.2 million tons) for wheat use are made for several countries

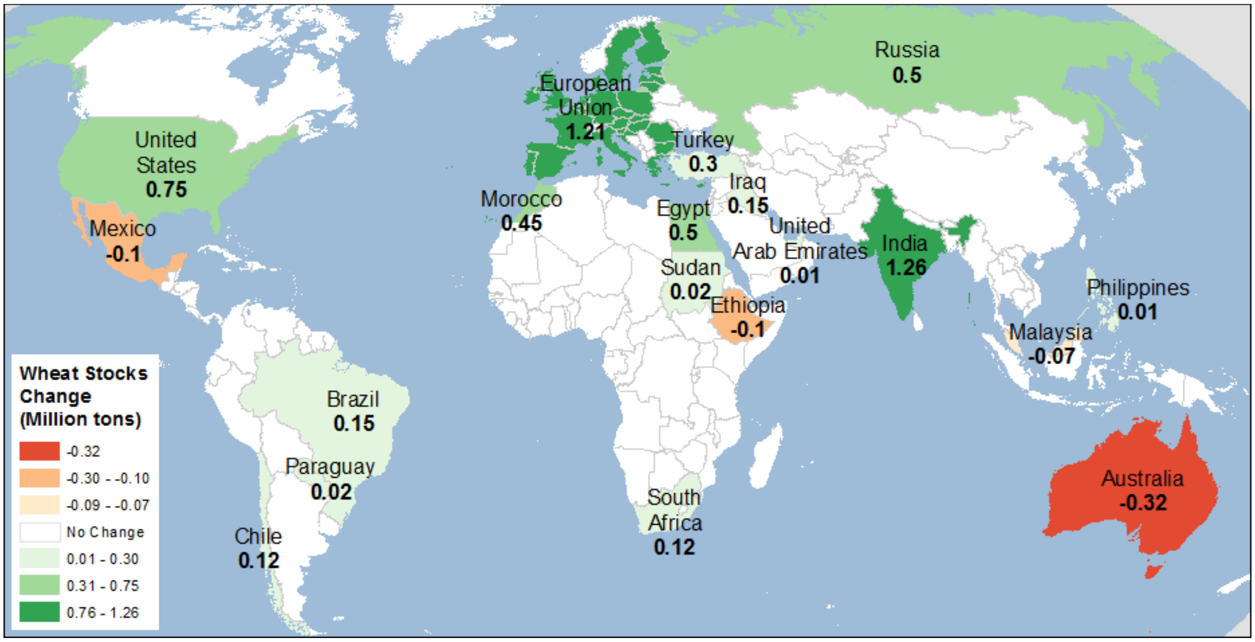
Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution online database.

World Wheat Ending Stocks Prospects Projected Higher for 2017/18

World wheat beginning stocks for 2017/18 are projected 0.7 million tons higher this month and wheat production is boosted 6.3 million tons. Projected wheat consumption is also increased, but not enough to offset expanded wheat supplies. Therefore, world wheat ending stocks for 2017/18 are projected up 5.0

million tons this month to reach a new record of 268.1 million tons. Multiple changes in wheat ending stocks are made this month as a result of specific countries' production and trade revisions (see map B).

Map B – Wheat ending stocks changes for 2017/18, October 2017



Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution database.

World Wheat Trade Unchanged and Ahead of Last Year's Record

Projected 2017/18 world wheat trade for the July-June international trade year is unchanged at 181.9 million tons, and is expected to be above last year's record. Export prospects for a number of countries are revised to reflect changes in wheat supplies, policies, and competitiveness. Reduced production and higher prices in Australia suppress exports for a second month in a row, down 1.0 million tons to 20.0 million. Higher wheat output for Canada supports its higher projected exports. Strong export sales justify an increase in Argentine wheat exports.

With increased wheat output, India is projected to import 3.5 million tons of wheat in 2017/18, down 0.5 million tons from the previous projection. Turkey is also projected to lower its imports by 0.5 million tons, as its wheat supplies are growing.

For at-a-glance information on this month's changes in wheat trade with country-specific details, see table C; and for all changes in imports, including the smaller ones, see map C below.

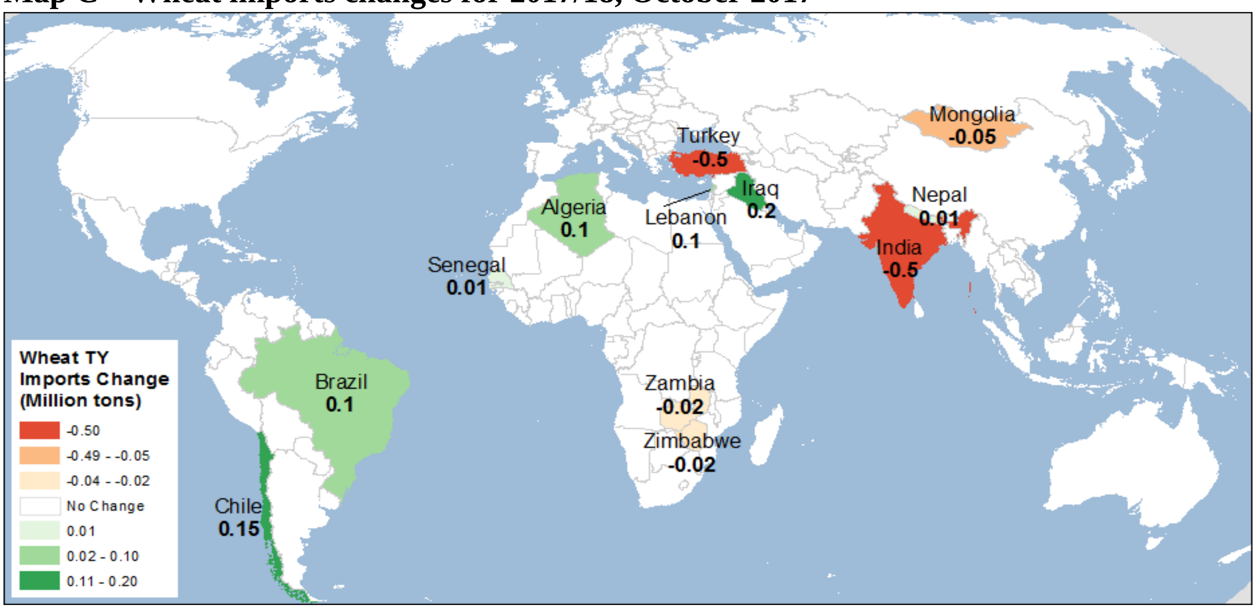
Table C - Wheat trade at a glance (2017/18), October 2017					
	Country or region	Trade	Change in forecast[1]	YoY[2] change	Comments
		Million tons			July-June international trade year
	World	181.9	No change	+0.1	
	Foreign	155.9	No change	+3.6	
Wheat Exports (2017/18)					
↓	Australia	20.0	-1.0	-2.1	With reduced supplies and growing competition, wheat exports for the trade year 2017/18 (July-June) are projected down. Local marketing year (October-September) exports are reduced by 0.5 million tons to 18.0 million.
↑	Canada	21.0	+0.5	+0.7	Larger wheat supplies of high quality wheat are expected to boost Canadian wheat exports.
↑	Argentina	12.0	+0.5	-0.3	High recent pace of exports suggest an increase for the July-June trade year, while for the Argentine local marketing year (December-November) exports stay unchanged this month.
Wheat Imports (2017/18)					
↓	Turkey	4.5	-0.5	No change	Larger projected wheat output.
↓	India	3.5	-0.5	-2.6	Larger projected wheat output.
↓	Iraq	2.9	+0.2	-0.5	Fast pace of wheat imports coming from neighboring Turkey.
↑	Chile	1.4	+0.2	No change	Fast pace of wheat imports supplementing wheat crop of similar to last year size.

[1]Change from previous month. Smaller changes for wheat exports and imports are made for a number of countries; see ***map D*** for changes in wheat imports this month.

[2] YoY: year over year changes.

Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution online database.

Map C – Wheat imports changes for 2017/18, October 2017



Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution database.

Contacts and Links

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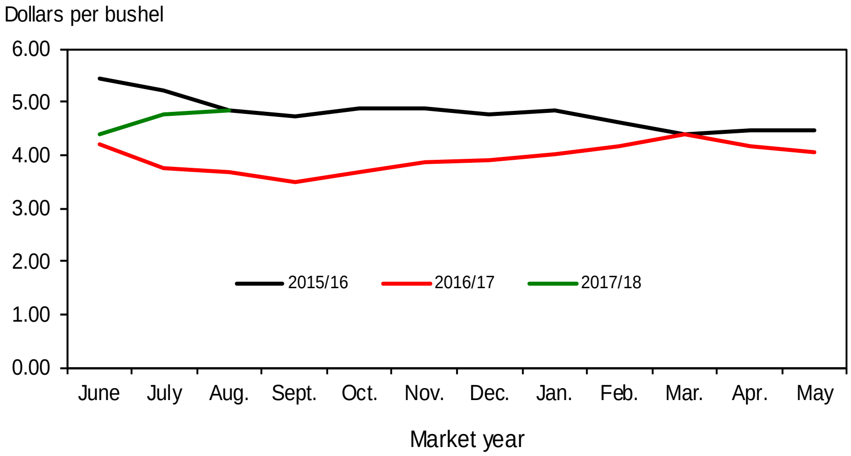
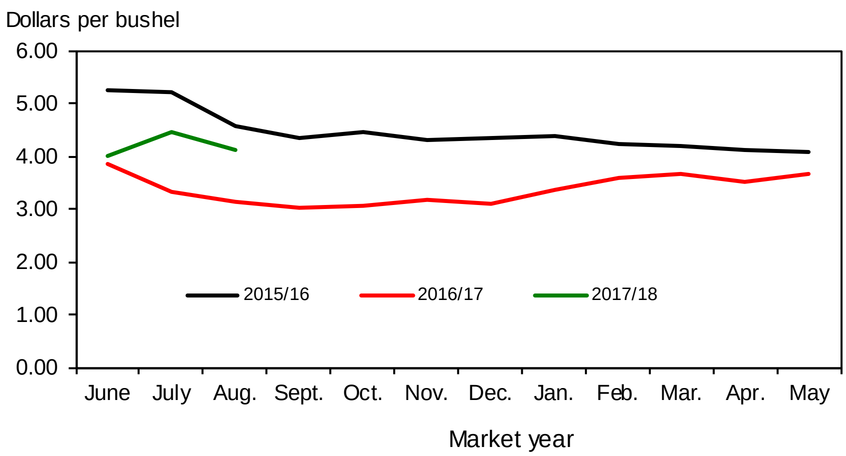
Figure 1
All wheat average prices received by farmers



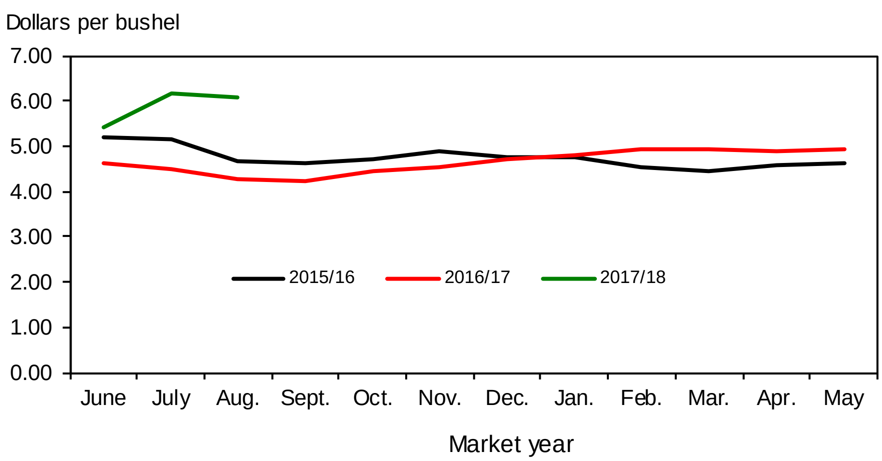
Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

Figure 2
Hard red winter wheat average prices received by farmers



Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

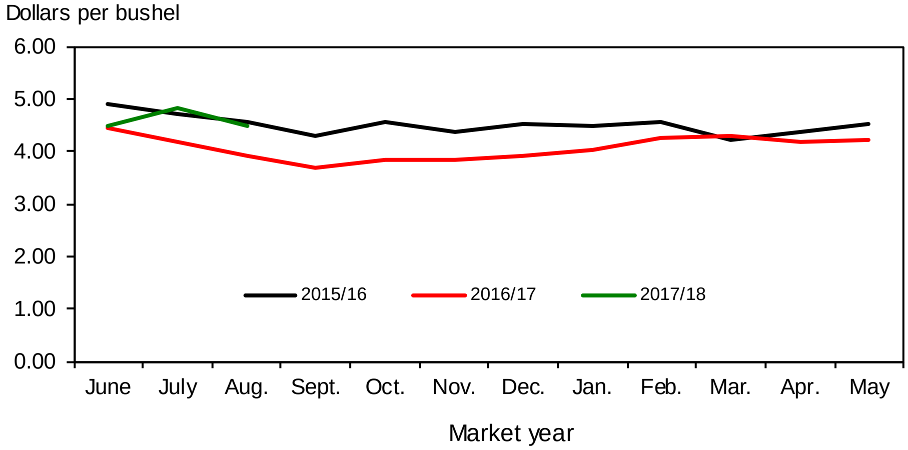
Figure 3
Hard red spring wheat average prices received by farmers



Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

Figure 4

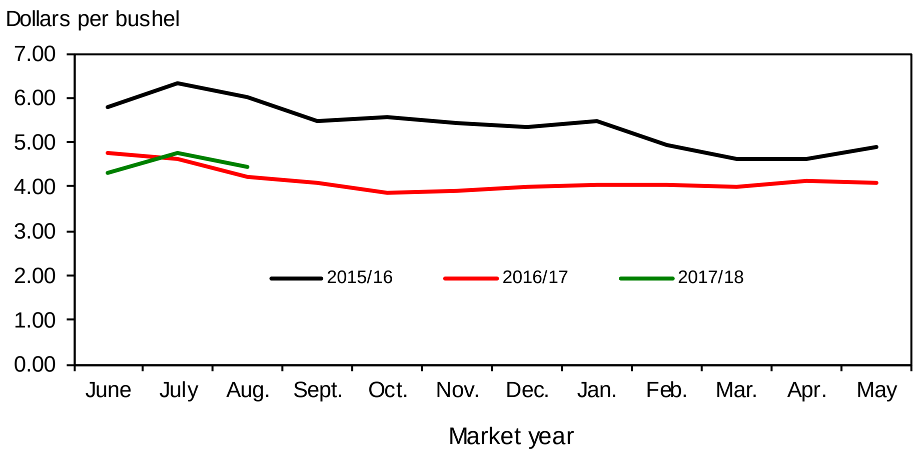
Soft red winter wheat average prices received by farmers



Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

Figure 5

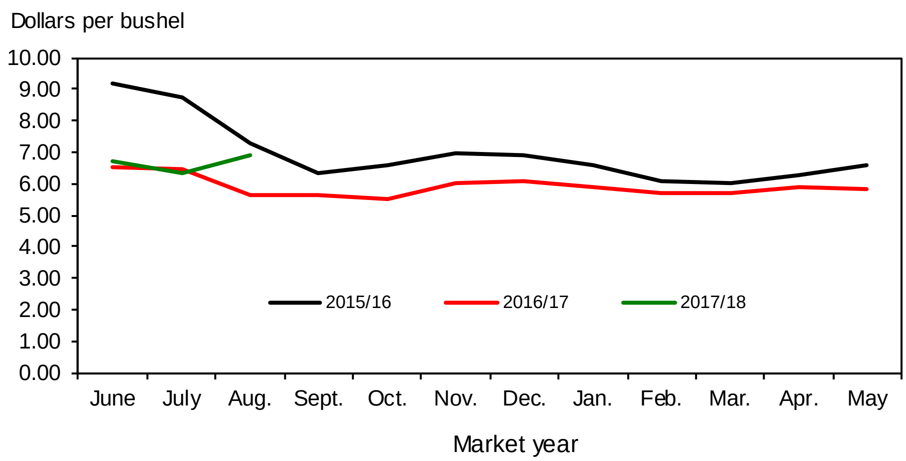
Soft white wheat average prices received by farmers



Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

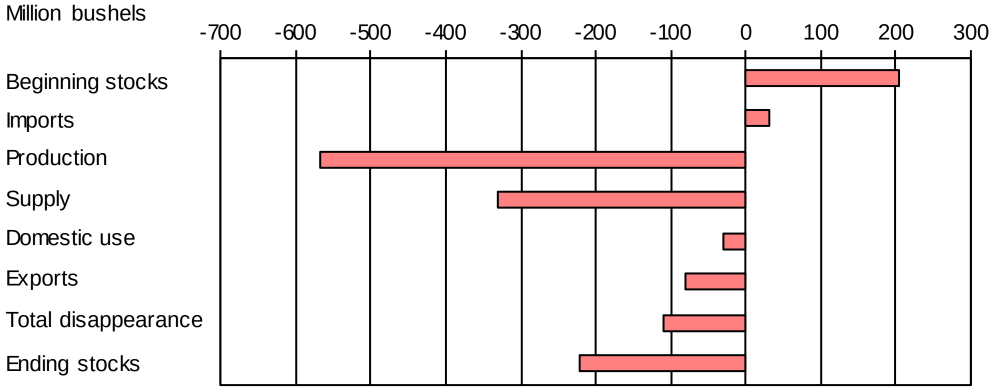
Figure 6

Durum wheat average prices received by farmers



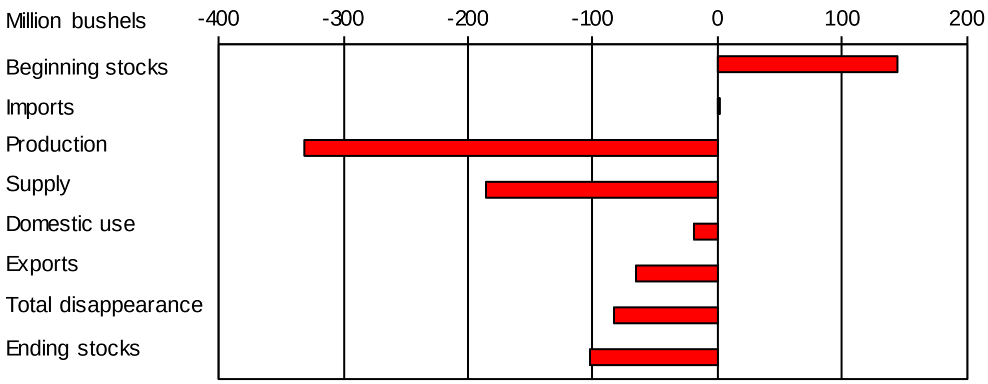
Source: USDA, National Agricultural Statistics Service, *Agricultural Prices*.

Figure 7
All wheat: U.S. supply and disappearance change from prior market year



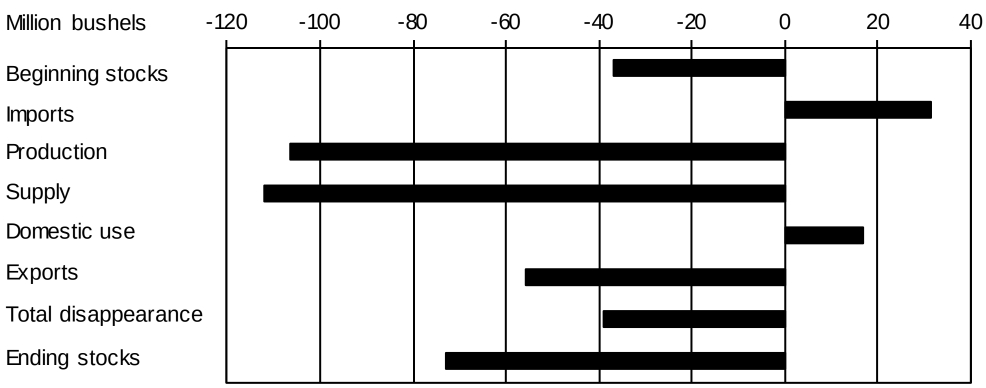
Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Figure 8
Hard red winter wheat: U.S. supply and disappearance change from prior market year



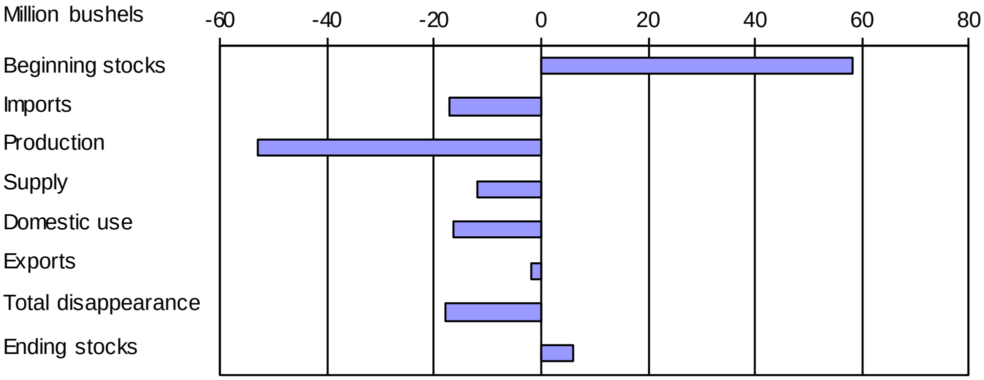
Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Figure 9
Hard red spring wheat: U.S. supply and disappearance change from prior market year



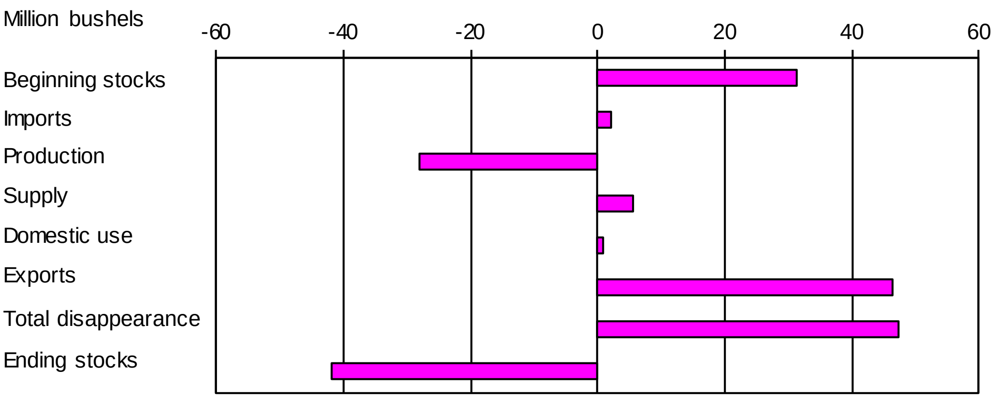
Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Figure 10
Soft red winter wheat: U.S. supply and disappearance change from prior market year



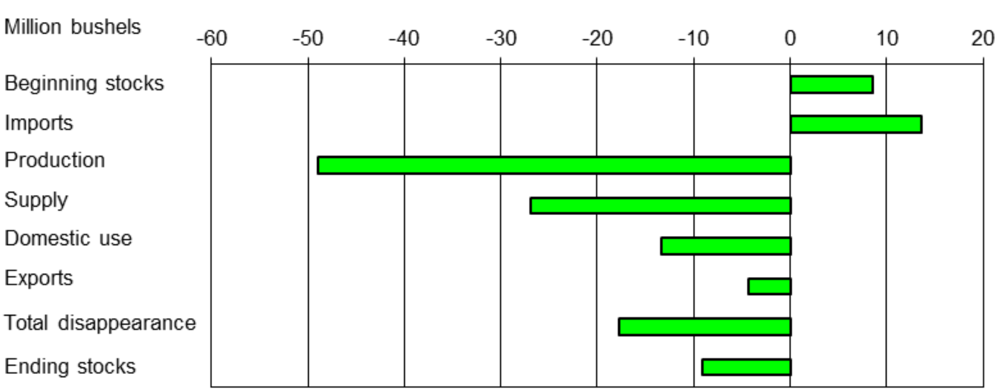
Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Figure 11
White wheat: U.S. supply and disappearance change from prior market year



Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Figure 12
Durum: U.S. supply and disappearance change from prior market year



Source: USDA, World Agricultural Outlook Board, *World Agricultural Supply and Demand Estimates.*

Table 1--Wheat: U.S. market year supply and disappearance, 10/16/2017

Item and unit		2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18
Area:								
Planted	Million acres	54.3	55.3	56.2	56.8	55.0	50.1	46.0
Harvested	Million acres	45.7	48.8	45.3	46.4	47.3	43.9	37.6
Yield	Bushels per acre	43.6	46.2	47.1	43.7	43.6	52.7	46.3
Supply:								
Beginning stocks	Million bushels	863.0	742.6	717.9	590.3	752.4	975.6	1,180.7
Production	Million bushels	1,993.1	2,252.3	2,135.0	2,026.3	2,061.9	2,308.7	1,740.6
Imports [1]	Million bushels	113.1	124.3	172.5	151.2	112.7	118.1	150.0
Total supply	Million bushels	2,969.2	3,119.2	3,025.3	2,767.8	2,927.1	3,402.5	3,071.3
Disappearance:								
Food use	Million bushels	941.4	950.8	955.1	958.3	957.1	948.8	950.0
Seed use	Million bushels	75.6	73.1	75.6	79.4	67.2	61.3	66.0
Feed and residual use	Million bushels	158.5	365.3	228.2	113.4	149.4	156.6	120.0
Total domestic use	Million bushels	1,175.5	1,389.3	1,258.8	1,151.1	1,173.7	1,166.7	1,136.0
Exports [1]	Million bushels	1,051.1	1,012.1	1,176.2	864.3	777.8	1,055.1	975.0
Total disappearance	Million bushels	2,226.6	2,401.4	2,435.1	2,015.4	1,951.5	2,221.8	2,111.0
Ending stocks	Million bushels	742.6	717.9	590.3	752.4	975.6	1,180.7	960.3
CCC inventory	Million bushels						.0	
Stocks-to-use ratio		33.4	29.9	24.2	37.3	50.0	53.1	45.5
Loan rate	Dollars per bushel	2.94	2.94	2.94	2.94	2.94	2.94	2.94
Contract/direct payment rate	Dollars per bushel	73.80	73.70	72.80	56.40	56.40	56.50	56.50
Farm price [2]	Dollars per bushel	7.24	7.77	6.87	5.99	4.89	3.89	4.40-4.80
Market value of production	Million dollars	14,269	17,383	14,604	11,915	10,203	8,981	8,007

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding.
[1] Includes flour and selected other products expressed in grain-equivalent bushels.
[2] U.S. season-average price based on monthly prices weighted by monthly marketings. Prices do not include an allowance for loans outstanding and government purchases.
Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

Date run: 10/16/2017

Table 2--Wheat by class: U.S. market year supply and disappearance, 10/16/2017

Market year, item, and unit			All wheat	Hard red winter[1]	Hard red spring[1]	Soft red winter[1]	White[1]	Durum
2016/17	Area:							
	Planted acreage	Million acres	50.11	26.58	10.90	6.02	4.20	2.41
	Harvested acreage	Million acres	43.85	21.87	10.62	4.98	4.03	2.36
	Yield	Bushels per acre	52.65	49.47	46.28	69.37	71.08	44.03
	Supply:							
	Beginning stocks	Million bushels	975.60	445.53	271.97	156.63	73.68	27.80
	Production	Million bushels	2,308.72	1,082.01	491.33	345.23	286.25	103.91
	Imports[2]	Million bushels	118.14	5.05	41.78	33.19	7.74	30.38
	Total supply	Million bushels	3,402.47	1,532.58	805.07	535.05	367.67	162.10
	Disappearance:							
	Food use	Million bushels	948.76	384.69	250.00	150.00	85.00	79.07
	Seed use	Million bushels	61.27	26.20	15.48	11.02	5.17	3.40
	Feed and residual use	Million bushels	156.64	77.59	-16.27	67.34	9.04	18.94
	Total domestic use	Million bushels	1,166.66	488.48	249.21	228.36	99.21	101.41
	Exports[2]	Million bushels	1,055.13	454.74	320.86	91.69	163.46	24.38
	Total disappearance	Million bushels	2,221.80	943.22	570.07	320.05	262.67	125.79
	Ending stocks	Million bushels	1,180.67	589.37	235.00	215.00	105.00	36.30
2017/18	Area:							
	Planted acreage	Million acres	46.01	23.43	10.50	5.73	4.05	2.31
	Harvested acreage	Million acres	37.59	17.64	9.67	4.32	3.82	2.14
	Yield	Bushels per acre	46.31	42.54	39.82	67.66	67.53	25.71
	Supply:							
	Beginning stocks	Million bushels	1,180.67	589.37	235.00	215.00	105.00	36.30
	Production	Million bushels	1,740.58	750.33	385.01	292.16	258.18	54.91
	Imports[2]	Million bushels	150.00	7.00	73.00	16.00	10.00	44.00
	Total supply	Million bushels	3,071.25	1,346.70	693.01	523.16	373.18	135.21
	Disappearance:							
	Food use	Million bushels	950.00	385.00	245.00	150.00	90.00	80.00
	Seed use	Million bushels	66.00	30.00	16.00	12.00	5.00	3.00
	Feed and residual use	Million bushels	120.00	55.00	5.00	50.00	5.00	5.00
	Total domestic use	Million bushels	1,136.00	470.00	266.00	212.00	100.00	88.00
	Exports[2]	Million bushels	975.00	390.00	265.00	90.00	210.00	20.00
	Total disappearance	Million bushels	2,111.00	860.00	531.00	302.00	310.00	108.00
	Ending stocks	Million bushels	960.25	486.70	162.01	221.16	63.18	27.21

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding.
[1] Area and yield data are unpublished National Agricultural Statistics Service data. Supply and disappearance data, except production, are approximations.
[2] Includes flour and selected other products expressed in grain-equivalent bushels.
Source: USDA, National Agricultural Statistics Service, Crop Production and unpublished data; and USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

Date run: 10/16/2017

Table 3--Wheat: U.S. quarterly supply and disappearance (million bushels), 10/16/2017

Market year and quarter		Production	Imports[1]	Total supply	Food use	Seed use	Feed and residual use	Exports[1]	Ending stocks
2009/10	Jun-Aug	2,209	28	2,893	231	1	251	200	2,209
	Sep-Nov		24	2,234	237	44	-81	252	1,782
	Dec-Feb		30	1,812	222	1	31	201	1,356
	Mar-May		37	1,393	229	21	-59	227	976
	Mkt. year	2,209	119	2,984	919	68	142	879	976
2010/11	Jun-Aug	2,163	27	3,166	235	1	215	265	2,450
	Sep-Nov		24	2,473	242	51	-63	311	1,933
	Dec-Feb		23	1,956	221	1		308	1,425
	Mar-May		22	1,448	228	16	-67	407	863
	Mkt. year	2,163	97	3,236	926	71	85	1,291	863
2011/12	Jun-Aug	1,993	21	2,877	230	5	201	295	2,147
	Sep-Nov		32	2,179	244	51	-16	238	1,663
	Dec-Feb		30	1,693	231	1	44	217	1,199
	Mar-May		30	1,229	236	19	-70	301	743
	Mkt. year	1,993	113	2,969	941	76	159	1,051	743
2012/13	Jun-Aug	2,252	26	3,020	238	1	403	264	2,115
	Sep-Nov		33	2,148	247	55	-22	198	1,671
	Dec-Feb		35	1,705	229	1	5	235	1,235
	Mar-May		31	1,266	238	15	-20	315	718
	Mkt. year	2,252	124	3,119	951	73	365	1,012	718
2013/14	Jun-Aug	2,135	36	2,889	235	4	422	358	1,870
	Sep-Nov		48	1,918	249	53	-168	309	1,475
	Dec-Feb		42	1,517	231	2	-1	228	1,057
	Mar-May		47	1,104	240	17	-25	282	590
	Mkt. year	2,135	172	3,025	955	76	228	1,176	590
2014/15	Jun-Aug	2,026	44	2,661	239	6	256	253	1,907
	Sep-Nov		35	1,942	248	49	-93	208	1,530
	Dec-Feb		37	1,566	231	2	8	185	1,140
	Mar-May		36	1,176	240	22	-58	219	752
	Mkt. year	2,026	151	2,768	958	79	113	864	752
2015/16	Jun-Aug	2,062	27	2,841	240	1	298	205	2,097
	Sep-Nov		27	2,124	249	44	-107	192	1,746
	Dec-Feb		34	1,780	230	2	2	175	1,372
	Mar-May		25	1,396	239	20	-43	205	976
	Mkt. year	2,062	113	2,927	957	67	149	778	976
2016/17	Jun-Aug	2,309	33	3,317	238	1	266	268	2,545
	Sep-Nov		30	2,575	245	41	-28	239	2,077
	Dec-Feb		25	2,102	228	1	-22	238	1,657
	Mar-May		31	1,688	238	19	-59	310	1,181
	Mkt. year	2,309	118	3,402	949	61	157	1,055	1,181
2017/18	Jun-Aug	1,741	42	2,963	238	2	184	286	2,253
	Mkt. year	1,741	150	3,071	950	66	120	975	960

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding.
[1] Includes flour and selected other products expressed in grain-equivalent bushels.
Source: USDA, World Agricultural Outlook Board, World Agricultural Supply and Demand Estimates and supporting materials.

Date run: 10/16/2017

Table 4--Wheat: Monthly food disappearance estimates (1,000 grain-equivalent bushels), 10/16/2017

Mkt year and month 1/		Wheat ground for flour	+	Food imports[2]	+	Nonmilled food use[3]	-	Food exports[2]	=	Food use[4]
2015/16	Jun	74,155		3,369		2,000		1,760		77,764
	Jul	74,749		2,987		2,000		1,850		77,887
	Aug	81,695		2,782		2,000		1,889		84,588
	Sep	78,556		2,768		2,000		1,928		81,396
	Oct	82,604		2,855		2,000		2,119		85,340
	Nov	79,065		2,989		2,000		2,050		82,005
	Dec	74,215		2,867		2,000		2,118		76,964
	Jan	73,645		2,769		2,000		2,032		76,383
	Feb	73,061		2,753		2,000		1,623		76,191
	Mar	77,514		2,842		2,000		2,220		80,135
	Apr	74,777		4,199		2,000		1,765		79,210
	May	76,456		2,832		2,000		2,026		79,262
2016/17	Jun	73,149		2,933		2,000		2,150		75,932
	Jul	74,237		2,639		2,000		1,665		77,212
	Aug	81,136		3,198		2,000		1,856		84,478
	Sep	78,018		2,537		2,000		2,140		80,415
	Oct	81,469		2,968		2,000		2,325		84,111
	Nov	77,978		3,191		2,000		2,201		80,968
	Dec	73,195		2,863		2,000		1,868		76,190
	Jan	73,561		2,858		2,000		2,027		76,392
	Feb	72,977		2,301		2,000		1,978		75,300
	Mar	77,425		2,840		2,000		1,789		80,477
	Apr	74,703		2,828		2,000		1,534		77,996
	May	76,381		2,818		2,000		1,914		79,284
2017/18	Jun	73,077		3,248		2,000		1,822		76,503
	Jul			2,966				1,795		1,171
	Aug			3,151				2,107		1,043

[1] Current year is preliminary. Previous year is preliminary through August of current year, estimated afterwards.
[2] Food imports and exports used to calculate total food use. Includes all categories of wheat flour, semolina, bulgur, and couscous and selected categories of pasta.
[3] Wheat prepared for food use by processes other than milling.
[4] Estimated food use equals wheat ground for flour plus food imports plus nonmilled food use minus food exports. See http://www.ers.usda.gov/Briefing/Wheat/wheatfooduse.htm for more information.
Source: Data through the 2nd quarter of 2011 was calculated using data from U.S. Department of Commerce, Bureau of the Census' Flour Milling Products (MQ311A) and U.S. Department of Commerce, Bureau of Economic Analysis' Foreign Trade Statistics. Subsequent flour milling calculations are based on data from the North American Millers Association.

Date run: 10/16/2017

Table 5--Wheat: National average price received by farmers (dollars per bushel) , 10/16/2017

Month	All wheat		Winter		Durum		Other spring	
	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18
June	4.20	4.37	3.97	4.11	6.50	6.69	4.61	5.35
July	3.75	4.77	3.56	4.56	6.47	6.30	4.48	6.09
August	3.68	4.83	3.41	4.27	5.66	6.93	4.26	5.87
September	3.48		3.25		5.61		4.22	
October	3.68		3.37		5.51		4.38	
November	3.88		3.41		6.00		4.48	
December	3.90		3.40		6.07		4.66	
January	4.01		3.53		5.90		4.74	
February	4.16		3.77		5.71		4.83	
March	4.37		3.82		5.72		4.86	
April	4.16		3.70		5.90		4.83	
May	4.05		3.77		5.82		4.81	

Source: USDA, National Agricultural Statistics Service, Agricultural Prices.

Table 6--Wheat: National average prices received by farmers by class (dollars per bushel), 10/16/2017

Month	Hard red winter		Soft red winter		Hard red spring		White	
	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18
June	3.84	3.99	4.45	4.50	4.61	5.41	4.75	4.30
July	3.32	4.45	4.16	4.84	4.48	6.16	4.63	4.77
August	3.15	4.10	3.92	4.49	4.27	6.07	4.23	4.43
September	3.02		3.68		4.24		4.08	
October	3.07		3.83		4.46		3.88	
November	3.16		3.85		4.54		3.92	
December	3.11		3.91		4.72		4.00	
January	3.35		4.04		4.78		4.04	
February	3.59		4.25		4.91		4.02	
March	3.66		4.29		4.92		4.01	
April	3.52		4.19		4.89		4.11	
May	3.65		4.20		4.95		4.07	

Source: USDA, National Agricultural Statistics Service, Agricultural Prices.

Date run: 10/16/2017

Table 7--Wheat: Average cash grain bids at principal markets, 10/16/2017

	No. 1 hard red winter (ordinary protein) Kansas City, MO (dollars per bushel)		No. 1 hard red winter (13% protein) Kansas City, MO (dollars per bushel)		No. 1 hard red winter (ordinary protein) Portland, OR (dollars per bushel)		No. 1 hard red winter (ordinary protein) Texas Gulf, TX [1] (dollars per metric ton)	
Month	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18
June	5.04	5.24	5.54	6.65	5.18	4.53	176.55	189.60
July	4.24	5.65	5.18	7.22	4.66	5.12	151.57	203.74
August	4.15	4.80	5.32	6.28	4.62	4.22	149.18	--
September	4.24	5.07	5.36	6.52	4.41	4.81	150.47	--
October	4.40	--	5.58	--	4.20	--	152.12	--
November	4.64	--	5.70	--	4.12	--	150.28	--
December	4.56	--	5.76	--	4.03	--	141.83	--
January	4.91	--	6.03	--	4.34	--	153.22	--
February	5.04	--	6.08	--	4.58	--	155.24	--
March	4.80	--	5.53	--	4.54	--	154.32	--
April	4.37	--	5.08	--	4.23	--	165.90	--
May	4.80	--	5.89	--	4.31	--	180.04	--
	No. 1 dark northern spring (13% protein) Chicago, IL (dollars per bushel)		No. 1 dark northern spring (14% protein) Chicago, IL (dollars per bushel)		No. 1 dark northern spring (14% protein) Portland, OR (dollars per bushel)		No. 1 hard amber durum Minneapolis, MN (dollars per bushel)	
	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18
June	--	--	--	--	6.35	7.50	--	--
July	--	--	--	--	5.82	8.77	--	--
August	--	--	--	--	5.97	7.74	--	--
September	--	--	--	--	5.98	7.40	--	--
October	--	--	--	--	6.34	--	--	--
November	--	--	--	--	6.28	--	--	--
December	--	--	--	--	6.49	--	--	--
January	--	--	--	--	6.80	--	--	--
February	--	--	--	--	6.81	--	--	--
March	--	--	--	--	6.60	--	--	--
April	--	--	--	--	6.45	--	--	--
May	--	--	--	--	6.64	--	--	--
	No. 2 soft red winter St. Louis, MO (dollars per bushel)		No. 2 soft red winter Chicago, IL (dollars per bushel)		No. 2 soft red winter Toledo, OH (dollars per bushel)		No. 1 soft white Portland, OR (dollars per bushel)	
	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18	2016/17	2017/18
June	4.74	4.66	4.70	4.41	4.69	4.44	5.46	4.91
July	4.23	5.15	4.12	4.96	4.22	4.94	5.07	5.40
August	3.90	4.31	3.99	4.12	4.03	4.20	4.89	5.13
September	3.89	4.30	3.76	4.23	3.72	4.27	4.77	5.19
October	3.89	--	3.82	--	3.90	--	4.65	--
November	4.04	--	3.88	--	3.92	--	4.64	--
December	3.91	--	3.94	--	3.80	--	4.57	--
January	4.17	--	4.16	--	4.09	--	4.63	--
February	4.38	--	4.26	--	4.28	--	4.74	--
March	4.24	--	4.06	--	4.14	--	4.70	--
April	4.14	--	3.93	--	4.08	--	4.61	--
May	4.20	--	4.08	--	4.19	--	4.77	--

-- = Not available or no quote.
[1] Free on board.
Source: USDA, Agricultural Marketing Service, State Grain Reports, http://www.ams.usda.gov/AMSv1.0/ams.fetchTemplateData.do?template=TemplateS&navID=MarketNewsAndTransportationData&leftNav=MarketNewsAndTransportationData&page=LSMarketNewsPageStateGrainReports.

Date run: 10/16/2017

Table 8--Wheat: U.S. exports and imports for last 6 months (1,000 bushels), 10/16/2017

Item		Mar 2017	Apr 2017	May 2017	Jun 2017	Jul 2017	Aug 2017
Exports	All wheat grain	91,205	98,895	114,788	111,472	83,974	85,175
	All wheat flour[1]	1,287	1,188	1,538	1,456	1,438	1,661
	All wheat products[2]	574	366	418	393	385	474
	Total all wheat	93,066	100,450	116,744	113,322	85,797	87,310
Imports	All wheat grain	8,358	7,211	7,206	8,438	10,481	13,734
	All wheat flour[1]	1,277	1,206	1,204	1,416	1,339	1,349
	All wheat products[2]	1,592	1,641	1,638	1,858	1,652	1,834
	Total all wheat	11,227	10,059	10,048	11,712	13,472	16,917

Totals may not add due to rounding.
[1] Expressed in grain-equivalent bushels. Includes meal, groats, and durum.
[2] Expressed in grain-equivalent bushels. Includes bulgur, couscous, and selected categories of pasta.
Source: U.S. Department of Commerce, U.S. Census Bureau, Foreign Trade Statistics; and ERS calculations using Census trade statistics.

Date run: 10/16/2017

Table 9--Wheat: U.S. exports, Census and export sales comparison (1,000 metric tons)

Importing country	2015/16		2016/17		2017/18 (as of 10/5/17)		
					Shipments	Out-standing	Total
Data source	Census 1/	Export sales 2/	Census 1/	Export sales 2/	Export sales 2/		
Country:							
China	609	764	1,632	1,562	538	63	600
Japan	2,497	2,434	2,920	2,820	1,154	281	1,435
Mexico	2,513	2,318	3,580	3,090	1,209	510	1,719
Nigeria	1,497	1,401	1,491	1,540	599	144	743
Philippines	2,116	2,118	2,634	2,729	1,192	602	2,680
Korean Rep.	1,093	1,074	1,327	1,276	532	501	1,033
Egypt	42	75	112	112	115	0	115
Taiwan	1,131	1,034	1,047	1,049	470	185	656
Indonesia	656	608	1,151	1,084	472	184	655
Venezuela	252	239	457	398	147	0	147
European Union	838	934	715	648	311	49	360
Total grain	20,492	19,473	27,986	26,513	9,704	4,482	14,186
Total (including products)	21,142	19,577	28,636	26,648	9,740	4,507	14,246
USDA forecast of Census		21,168		28,716			26,535

[1] Source: U.S. Department of Commerce, U.S. Census Bureau

[2] Source: USDA, Foreign Agricultural Service, *U.S. Export Sales* .