

United States Department of Agriculture



# Wheat Outlook

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# Global Wheat Production Down Sharply; U.S. Exports Lifted

Global 2018/19 wheat production is cut 6.6 million metric tons this month on a sharp decline in production in the European Union (EU). This opens further opportunities for U.S. exports, especially in the second half of the marketing year. The U.S. 2018/19 export forecast is lifted 50 million bushels from the July forecast to 1,025 million. Based on the revised export forecast, the U.S. share of global wheat exports is forecast at nearly 16 percent in 2018/19, compared to 12.6 percent for the 2017/18 marketing year (figure 1).



#### Figure 1: Share of global wheat exports by country

Source: USDA, Foreign Agricultural Service, Production, Supply and Distribution database and USDA, Economic Research Service calculations based on USDA, National Agricultural Statistics Service data.

## **Domestic Outlook**

### Domestic Changes at a Glance:

- Based on the USDA, National Agricultural Statistics Service (NASS) August *Crop Production* report, U.S. all-wheat production in 2018 is down very slightly (about 4 million bushels) from the previous month.
- All-wheat food use for 2017/18 is raised 1.4 million bushels from the July forecast to 964.4 million, based on data released in the August 1 USDA, NASS *Flour Milling Products* report.
- Projected food use for 2018/19 is raised 5 million bushels to a record 970 million on the enhanced 2017/18 estimate, population growth, and favorable economic indicators.
- Increased availability of corn and sorghum, as well as, a rising wheat-to-corn price ratio provide support for a 10 million bushel cut the 2018/19 wheat feed and residual figure.
- U.S. all-wheat exports are raised 50 million bushels on tightening global production and reduced exportable supplies, especially for the EU.
- Ending stocks are reduced by 50 million bushels to 935 million, down 15 percent from 2017/18 and the lowest since 2014/15.
- A tightening stocks-to-use ratio (43 percent), primarily the result of higher projected exports, provides support for a 10-cent-per-bushel increase in the season-average farm price, despite a 20 cent month-to-month decline in the comparable corn price (figure 2).
- Updated "historical" wheat by class by quarter spreadsheets posted to the Wheat Data landing page reflect the revised allocation of import code 1001990096. (See box on page 8 for more details.)



#### Figure 2: U.S. wheat ending stocks and stocks-to-use ratio

2 Wheat Outlook, WHS-18h, August 14, 2018 USDA, Economic Research Service

| Balance sheet<br>item | 2017/18 | 2018/19<br>(July) | 2018/19<br>(August) | 2018/19 Change<br>from previous<br>month | 2018/19 Comments                                                                                                                                   |
|-----------------------|---------|-------------------|---------------------|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply, total         |         | Million           | bushels             |                                          | May-June Marketing<br>Year (MY)                                                                                                                    |
| Beginning stocks      | 1,180.6 | 1,100.3           | 1,100.3             | 0.0                                      |                                                                                                                                                    |
| Production            | 1,740.6 | 1,881.4           | 1,876.8             | -4.7                                     | All-wheat harvested area<br>is down 150,000 acres;<br>yields are cut by 0.10<br>bushels per acre.<br>Production declines for<br>winter and durum.  |
| Imports               | 155.0   | 135.0             | 135.0               | 0.0                                      |                                                                                                                                                    |
| Supply, total         | 3,076.2 | 3,116.7           | 3,112.1             | -4.7                                     | With no change to carry-in<br>or imports, supply is<br>reduced by the full value o<br>the production decline.                                      |
| Demand                |         |                   |                     |                                          |                                                                                                                                                    |
| Food                  | 964.4   | 965.0             | 970.0               | 5.0                                      | Based on economic<br>indicators and a higher<br>2017/18 food use, 2018/19<br>food use is lifted to a new<br>record high of 970 million<br>bushels. |
| Seed                  | 64.4    | 62.0              | 62.0                | 0.0                                      |                                                                                                                                                    |
| Feed and residual     | 49.8    | 130.0             | 120.0               | -10.0                                    | Growing volume of<br>domestic feed grains and a<br>sizable price drop for<br>competing foodstuff,<br>reduce demand for wheat<br>feeding.           |
| Domestic, total       | 1,078.6 | 1,157.0           | 1,152.0             | -5.0                                     | The cut in projected feed<br>and residual is partially<br>offset by expanded food<br>use.                                                          |
| Exports               | 901.1   | 975.0             | 1,025.0             | 50.0                                     | U.S. exports are raised on<br>reduced exportable<br>supplies from competing<br>countries, most notably the<br>EU.                                  |
| Use, total            | 1,979.7 | 2,132.0           | 2,177.0             | 45.0                                     |                                                                                                                                                    |
| Ending stocks         | 1,100.3 | 984.7             | 935.1               | -49.7                                    | Export growth offsets cut<br>to domestic use, tightening<br>the balance sheet.                                                                     |

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

#### Wheat Production by Class Updated in August Crop Production Report

Forecasts of U.S. all-wheat and wheat-by-class production were updated in USDA, NASS's August *Crop Production* report (table 2). Reported NASS data are gleaned from objective yield

and farm operator surveys, conducted between July 25 and August 6, and include farmers in the States that typically account for 75 percent of U.S. production. The USDA, NASS *Small Grains Annual* report, published at the end of September, will provide the next update to wheat-by-class production.

The August all-wheat production forecast is lowered less than 1 percent from the July forecast and is 8 percent higher than in 2017. The all-wheat yield is lowered 0.1 bushel per acre from the

| Table 2: U.S. wheat | Table 2: U.S. wheat production by class |                      |                      |                     |  |  |  |  |  |  |
|---------------------|-----------------------------------------|----------------------|----------------------|---------------------|--|--|--|--|--|--|
|                     | 2017/18                                 | 2018/19 (July)       | 2018/19 (August)     | Year-to-year change |  |  |  |  |  |  |
| Wheat Class         |                                         | Million bush         | iels                 | %                   |  |  |  |  |  |  |
| Winter Wheat        |                                         |                      |                      |                     |  |  |  |  |  |  |
| Hard red winter     | 750                                     | 657                  | 661                  | -12                 |  |  |  |  |  |  |
| Soft red winter     | 292                                     | 303                  | 292                  | ~0                  |  |  |  |  |  |  |
| Winter white        | 227                                     | 232                  | 236                  | +4                  |  |  |  |  |  |  |
| Spring Wheat        |                                         |                      |                      |                     |  |  |  |  |  |  |
| Hard red spring     | 385                                     | 584                  | 583                  | +51                 |  |  |  |  |  |  |
| Spring white        | 31                                      | 30                   | 31                   | ~0                  |  |  |  |  |  |  |
| Durum               | 55                                      | 75                   | 73                   | +33                 |  |  |  |  |  |  |
| TOTAL               | 1740                                    | 1881                 | 1877                 | +8                  |  |  |  |  |  |  |
| Source: USDA, Natio | onal Agricul                            | tural Statistics Ser | vice, Crop Productio | on.                 |  |  |  |  |  |  |

July forecast and up 1.1 bushels per acre from the 46.3 bushels per acre that farmers harvested in 2017. At 39.6 million acres, area harvested is projected slightly down (-150,000 acres) from the previous forecast while still above the 37.6 million acres harvested in 2017. The August *Crop Production* report indicated that **winter wheat** production is projected less than 1 percent below the July forecast and, at 1.19 billion bushels, is down about 6 percent from 2017. The all winter wheat yield projection is currently forecast at 47.9 bushels per acre, down only fractionally from July.

The 2018 winter wheat harvest is nearing completion, with USDA, NASS estimating that on August 6 an estimated 92 percent of the 2018 winter wheat crop had been harvested (based on 18 key reporting States). Total winter wheat harvested area is forecast at 24.8 million acres, down slightly from last month's NASS forecast and down about 2 percent from 2017. Map 1 provides a summary of changes in winter wheat production by State for 2018 vs. 2017.



#### Map 1: Change in U.S. winter wheat production, 2018 v. 2017

#### Source: USDA, National Agricultural Statistics Service QuickStats database.

**Hard red winter** (HRW) wheat production is up about 1 percent this month from the July forecast. Protein levels for the 2018 hard red winter wheat crop are much improved from the previous 2 years. Plains Grains, Inc. reports that average protein levels, at 12.5 percent based on 406 tested samples, are much improved from 2017 and compare to 11.4 percent for the 2017 season (based on 488 samples tested).

The August USDA, NASS forecast for **soft red winter** (SRW) wheat production was down 4 percent from the July forecast and down 11 million bushels from the 2017 production estimate on sharply lower yields. Aggregate **white wheat** production is forecast to rise slightly, up about 5 million bushels from 2017, exclusively on expanded production of **soft white winter** (SWW) wheat. Production of SWW is forecast to rise more than 8 million bushels (year-to-year) on greater harvested area in the key Pacific Northwest growing region.

| <b>2018</b>                    | HRW    | <b>SRW</b> | HWW   | <b>SWW</b> |
|--------------------------------|--------|------------|-------|------------|
| Planted area (million acres)   | 23.22  | 5.84       | 0.60  | 3.03       |
| Harvested area (million acres) | 16.86  | 4.53       | 0.53  | 2.89       |
| Yield (bushels/acre)           | 38.7   | 69.59      | 40.73 | 72.39      |
| Production (million bushels)   | 661.23 | 291.81     | 21.01 | 215.15     |
| <b>2017</b>                    | HRW    | <b>SRW</b> | HWW   | <b>SWW</b> |
| Planted area (million acres)   | 23.42  | 5.73       | 0.58  | 2.94       |
| Harvested area (million acres) | 17.64  | 4.31       | 0.52  | 2.81       |
| Yield (bushels/acre)           | 42.53  | 67.66      | 45.45 | 72.29      |
| Production (million bushels)   | 750.33 | 292.15     | 23.72 | 203.22     |

After boosting 2018/19 hard red spring (HRS) yields to record levels last month, yields are trimmed slightly following a period of dryness in the Northern Plains, resulting in several production changes by State (map 2). Whereas drought conditions had largely abated earlier in the crop year, in this key production area, a lack of rain in recent weeks has downgraded the outlook for HRS yields.





Source: USDA, National Agricultural Statistics Service QuickStats database.

Boosted by record yield outlooks for other spring wheat in Idaho and Montana, the U.S. other spring wheat yield remains record-high and is up 6.6 bushel per acre from the 2017 estimate. The current other spring wheat forecast is the third-highest on record at 614 million bushels. The next objective survey of the spring wheat crop will be reported in the September 28 USDA, NASS *Small Grains Summary* report.

**Durum** wheat, which is largely grown in the same region where hard red spring wheat production is concentrated, likewise saw yields trimmed from July to August. At 39.9 bushels per acre, the 2018 durum yield forecast is 0.8 bushels below the July forecast but 14.2 bushels above last year's drought-affected yield. Area harvested for grain is unchanged from last month, and production for 2018 is forecast at 73.4 million bushels.

#### Wheat Food Use for 2018/19 Projected to Reach Record High

Since August 2017, monthly wheat food use has been tracking ahead of 2016/17 volumes. With the release of the August 1 USDA, NASS *Flour Milling Products* report, the full picture of food use for the 2017/18 marketing year was made clear. In December 2017, monthly U.S. wheat food use surged (figure 3).





1/ 2018/19 is projected based on relative annual growth in total food use. Source: USDA, Economic Research Service calculations based on USDA, National Agricultural Statistics Service data.

As real personal consumption expenditures on nondurable goods continued to rise through the final quarter of 2017 and into the first two quarters of 2018, monthly food use correspondingly remained higher than for the previous year, ultimately lifting the aggregate figure to 964.4 million bushels. Based on income and consumption forecasts from the U.S. Bureau of Economic

Analysis and expectations of continued population growth, the 2018/19 food use figure is adjusted upward by 5 million bushels to 970. If realized, this will be record-high food use, surpassing the 2017/18 record.

### Domestic Feature: Review Leads to Redistribution for Single Import Code

The U.S. wheat import code 1001990096, "Wheat, except durum, not elsewhere specified," was introduced by the U.S. Census Bureau at the beginning of calendar year 2012. Since the inception of the code, the USDA, Economic Research Service has allocated 100 percent of 1001990096 ("96") designated wheat imports as soft red winter (SRW). The wheat by class balance sheet for 2011/12 began to reflect the allocation of the new code beginning in the third quarter of that marketing year.

In 2012, the majority of U.S. imports of wheat designated as "96" originated in the United Kingdom (68 percent) and Canada (32 percent) (figure 4). Based on historical production patterns, wheat imported from EU countries was generally assumed to be similar to U.S. SRW varieties. Winter wheat varieties, such as SRW, were also known to be cultivated in regions of Eastern Canada that were exporting wheat to the U.S. Together, these factors supported the decision to allocate the entirety of wheat imported to the U.S. under the new "96" code to SRW.



Source: USDA, Foreign Agricultural Service, Global Agricultural Trade System database.

In 2018, after a review of U.S. wheat imports by code and by country it became evident that an update to the initial allocation rule was needed based on shifts in trade and production patterns. First, a larger share of wheat imported to the U.S. under code "96" has originated from Canada than in 2012. Canada supplied approximately one third of U.S. imports of "96" wheat in 2012

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However, since that time, the Canadian share has averaged about 83 percent with a smaller portion of "96" imports originating from largely soft red winter wheat supplying countries (mainly EU).

After 2012, wheat exported to the U.S. from Canada has increasingly originated from the Prairie Provinces where spring wheat cultivation is concentrated. A larger share was previously exported from other regions of the country where winter wheat production is more common. More specifically, in 2017, approximately 90 percent of Canadian wheat exported to the United States under the six-digit (100199) wheat code (of which 1001990096 accounted for approximately 40 percent in 2016/17) was sourced from the leading spring wheat producing Prairie Provinces of Alberta, Saskatchewan, and Manitoba (table 3). With a growing share of Canadian wheat exports to the U.S. originating from these regions, there was a growing probability that "96" wheat entering the U.S. was predominantly hard red spring wheat and less likely soft red winter.

| Table 5. Share of Tool 99 Canadian imports to the Onited States, by Frovince, 2012-17 |           |       |       |          |       |       |  |  |  |
|---------------------------------------------------------------------------------------|-----------|-------|-------|----------|-------|-------|--|--|--|
| Province                                                                              | 2012      | 2013  | 2014  | 2015     | 2016  | 2017  |  |  |  |
|                                                                                       |           |       |       | -percent |       |       |  |  |  |
| Alberta                                                                               | 42.41     | 38.98 | 35.14 | 36.52    | 34.46 | 34.71 |  |  |  |
| Saskatchewan                                                                          | 21.23     | 19.57 | 37.54 | 40.34    | 36.97 | 36.15 |  |  |  |
| Manitoba                                                                              | 11.59     | 18.52 | 18.98 | 16.10    | 18.30 | 18.42 |  |  |  |
| All Prairie                                                                           |           |       |       |          |       |       |  |  |  |
| Provinces                                                                             | 75.23     | 77.07 | 91.66 | 92.96    | 89.73 | 89.28 |  |  |  |
| Ontario                                                                               | 1.48      | 1.46  | 7.37  | 6.06     | 8.58  | 9.19  |  |  |  |
| Other                                                                                 | 23.29     | 21.47 | 0.98  | 0.98     | 1.50  | 1.53  |  |  |  |
| Source: Statistic                                                                     | s Canada. |       |       |          | 411   |       |  |  |  |

 Table 3: Share of 100199 Canadian imports to the United States, by Province, 2012-17

Source: Statistics Canada.

Subsequent to the dissolution of the Canadian Wheat Board, the cultivation of higher-yielding non-Canadian Western Red Spring (CWRS) varieties in the Prairies has expanded. This production shift further increases the likelihood that wheat sourced from the Prairie Provinces is spring wheat and is less likely to be identified under existing hard red spring wheat import codes that are more likely to be associated with CWRS varieties. In light of the totality of the changes in origin and composition of imports entering the United States under code 1001990096, the distribution across classes has been revised to 25 percent SRW and 75 percent hard red spring (HRS). The historical supply and utilization tables, going back to the 2011/12 marketing year, have been revised to reflect this redistribution and are available on the USDA, ERS Wheat Data landing page.

#### Strengthening Demand and Tightening Stocks Boost Prices by 10 Cents

The season-average farm price (SAFP) for all wheat is raised 10 cents this month to \$5.10 per bushel on expectations of a tighter balance sheet and strengthening cash prices. While premiums for high protein spring wheat began to erode in June (figure 5), the evolving global wheat market, which has seen production prospects trimmed significantly, is expected to provide support for wheat prices through the balance of the marketing year, despite sharp declines for corn and sorghum prices. Wheat competes with corn and sorghum in domestic feed markets. However, wheat feed and residual is projected to account for only 5.5 percent of total use in the 2018/19 marketing year.





1/ Minneapolis spring wheat is represented by the Dark Northern Spring (DNS) price series. Source: USDA, Agricultural Marketing Service, Livestock and Grain Market News Portal.

#### Wheat By-Class, By-Quarter "Historical" Data Series Updated and Expanded

This month, the 2017/18 wheat by-class, by-quarter spreadsheet is available in the "Historical Data" section of the ERS Wheat Data landing page. In addition to the updated by-class, byquarter spreadsheet for the most recent marketing year, balance sheets for several preceding decades are also available.

### **International Outlook**

Persistent Dryness in Europe Saps Yields; Global Wheat Production Tumbles by 6.6 Million Tons.

For 2018/19, global wheat production is forecast down 6.6 million tons to 729.6 million on a sizable, 9-percent year-to-year decline in EU projected production. Losses in the EU are partially offset by gains in Russian production, raised 1.0 million tons this month on an improving outlook for the spring wheat crop in Eastern Russia (map 3). Global imports are reduced by slightly more than 1 million tons on rising prices attributable to further-constrained exportable supplies of wheat. A reflection of rationed demand, both global domestic feed consumption and food, seed, and industrial use categories are cut this month, although feed consumption is lowered by a relatively greater amount. Reduced supplies more than offset the effects of lower domestic and export use, trimming global 2018/19 ending stocks by nearly 2 million tons to 259.0 million. While ending stocks are down year-to-year, the current projection is still well above the 5-year average of 237.7 million tons.



Map 3 – Major global wheat production changes for 2018/19, August 2018

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

| Tab | le A - Wheat p    | roduction               | changes at   | a glance (2018/1                           | 9), August                 | 2018                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----|-------------------|-------------------------|--------------|--------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | Country or region | Crop year               | Production   | Change from<br>previous month <sup>1</sup> | YoY <sup>2</sup><br>change | Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|     |                   |                         |              | Million tons                               |                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|     | World             | Various                 | 729.6        | -6.6                                       | -28.4                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ↓   | Foreign           | Various                 | 678.6        | -6.5                                       | -32.1                      | EU <sup>3</sup> and Turkey drive down projected wheat output for foreign countries in 2018/19, while increases in Russia, Pakistan, and Kazakhstan are partly offsetting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|     | United States     | June-May                | 51.1         | -0.1                                       | 3.7                        | See section on U.S. domestic wheat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| -   | EU <sup>3</sup>   | July-June               | 137.5        | -7.5                                       | -14.2                      | Heat and dryness in the northern European countries<br>spread in June from west to east: from the UK through<br>Netherlands, Germany, and Poland to the three Baltic<br>countries and Sweden, with very low precipitation and<br>high temperatures. In contrast, lingering wetness in<br>south eastern Europe continues to impact the wheat<br>crop that is being harvested. In France, hot and dry<br>weather harmed wheat yields during the reproductive<br>period, while following heavy rains led to infestations<br>that added to the damage. Partly offsetting these<br>reductions is increased wheat output in Spain, where<br>abundant moisture benefited all crops.                                                                                                                 |
|     | Turkey            | June-May                | 19.0         | -1.0                                       | -2.0                       | Wheat yields were lower than anticipated due to heat<br>and dryness throughout the wheat reproductive period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 1   | Russia            | July-June               | 68.0         | +1.0                                       | -17.0                      | Spring wheat, which is growing in the eastern regions of<br>the country, from Volga district to Ural to Siberia, is<br>going through its reproductive period approaching<br>flowering. Weather has been favorable, especially in<br>Siberia, and VHI (Vegetation Health Index) maps as well<br>as the NDVI (Normalized Difference Vegetation Index)<br>support an increase in spring wheat yields. The winter<br>wheat forecast is unchanged this month with a projected<br>15 percent drop in y/y yields that is based on harvest<br>reports. Starting June 2018, the Production, Supply and<br>Distribution online database will be publishing data on<br>spring and winter wheat in Russia, with the series going<br>back to 2000 (see the downloadable data tab on the<br>PS&D website). |
|     | Pakistan          | May-Apr                 | 26.3         | 0.8                                        | -0.4                       | Growing conditions were generally good, and the effect<br>of unseasonal rains during harvest appears to be<br>smaller than expected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|     | Kazakhstan        | Sep-Aug                 | 14.5         | +0.5                                       | -0.3                       | The major wheat areas in Kazakhstan adjacent to the Russian Siberian district have also been enjoying excellent weather and ample precipitation, which is expected to push yields higher.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| YoY | : year-over-year  | changes. <sup>3</sup> E | U - European | -                                          |                            | are also made for several countries; see map 3. <sup>e</sup><br>on online database.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

For the second month in a row, the largest production drop is for the **European Union (EU)**, cut a further 7.5 million tons to 137.5 million. The deepening drought over large sections of Europe, and particularly northern Europe, have wilted prospects for the local wheat crop. The USDA, Office of the Chief Economist (OCE) *Crop Weather Bulletin* reports that drought in the EU is most intense in locales immediately adjacent to the North Sea where, over the last 90 days, rainfall has totaled just 25 to 50 percent of normal levels. To support planting of the 2019 winter wheat and rapeseed crops, more moisture will soon be needed.

Across the **FSU** (former Soviet Union) region, cooler weather and scattered showers have benefited local grain crops, including spring wheat. In **Kazakhstan**, widespread showers have improved soil moisture levels and contribute to the 500,000-metric-ton increase in forecast production from the July projection. For **Russia**, despite drier-than-normal conditions in the Siberia district, timely rains in the central region of the country have aided spring wheat entering the reproductive phase of development and lift the production outlook by 1 million tons to 68.0 million.

In **Australia**, soaking rains have recently fallen on the Western Australia wheat belt, boosting prospects for the regional winter wheat crop. Rain showers spread to South Australia, helping to improve soil moisture levels before scattering over Victoria and southern New South Wales, where yield prospects for winter crops are generally favorable. Elsewhere, in Queensland and northern New South Wales, minimal and scattered rain showers did little to revive the drought-stressed wheat crop for which yield prospects have deteriorated. On the whole, recent weather events in Australia and prospects for the next 90 days provide support for the current forecast of 22 million tons, unchanged this month from the July projection.

#### **Reduced Global Production and Stocks Constrains Global Exports**

With global wheat production down nearly 30 million tons from 2017/18 and global stocks down more than 14 million tons, competitors are projected to have reduced exportable supplies to ship in the current marketing year (map 4). On a sharp reduction in production, **EU** exports are lowered 4.5 million tons to 23.0 million, the lowest level since 2012/13, when trade year exports totaled just 22.7 million tons on production that was 3.5 million tons smaller than the current EU production projection. Exports from **Australia** are trimmed 0.5 million tons to 16.0 million on higher prices and a lack of competitiveness in key export markets. Increased domestic feeding and demand for wheat in feed rations are also expected to pull exportable supplies out of export channels and keep supplies in use domestically.

#### Map 4 – Major global wheat export changes for 2018/19, August 2018



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

A larger crop in **Pakistan** boosts the associated export forecast by 0.2 million tons. Exports for Mexico are raised slightly and remain below 2017/18, while the outlook for 2018/19 Pakistan exports is on par with the 2017/18 figure. While production for many foreign competitors was reduced this month and cut into export projections, the very slight reduction in **U.S**. production combines with reports of excellent winter wheat quality and helps to boost U.S. export prospects for 2018/19 by 2.0 million tons.

For additional details on global wheat supply and use, please see the USDA, Foreign Agricultural Service *Grains: World Markets and Trade* report.

#### Figure 1 All wheat average prices received by farmers

Dollars per bushel



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

#### Figure 2

#### Hard red winter wheat average prices received by farmers



Market year

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

#### Figure 3 Hard red spring wheat average prices received by farmers

Dollars per bushel 7.00 6.00 5.00 4.00 3.00 2016/17 2017/18 2018/19 2.00 1.00 0.00 Apr. June July Aug. Sept. Oct. Nov. Dec. Jan. Feb. Mar. May Market year

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

#### Figure 4 Soft red winter wheat average prices received by farmers

Dollars per bushel



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

#### Figure 5 Soft white wheat average prices received by farmers





Market year

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 Million bushels Beginning stocks Imports



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.

18 Wheat Outlook, WHS-18h, August 14, 2018 USDA, Economic Research Service Table 1--Wheat: U.S. market year supply and disappearance, 8/14/2018

| Item and unit                |                    | 2012/13 | 2013/14 | 2014/15 | 2015/16 | 2016/17 | 2017/18 | 2018/19   |
|------------------------------|--------------------|---------|---------|---------|---------|---------|---------|-----------|
| Area:                        |                    |         |         |         |         |         |         |           |
| Planted                      | Million acres      | 55.3    | 56.2    | 56.8    | 55.0    | 50.1    | 46.0    | 47.8      |
| Harvested                    | Million acres      | 48.8    | 45.3    | 46.4    | 47.3    | 43.9    | 37.6    | 39.6      |
| Yield                        | Bushels per acre   | 46.2    | 47.1    | 43.7    | 43.6    | 52.7    | 46.3    | 47.4      |
| Supply:                      |                    |         |         |         |         |         |         |           |
| Beginning stocks             | Million bushels    | 742.6   | 717.9   | 590.3   | 752.4   | 975.6   | 1,180.6 | 1,100.3   |
| Production                   | Million bushels    | 2,252.3 | 2,135.0 | 2,026.3 | 2,061.9 | 2,308.7 | 1,740.6 | 1,876.8   |
| Imports <sup>1</sup>         | Million bushels    | 124.3   | 172.5   | 151.2   | 112.8   | 118.0   | 157.4   | 135.0     |
| Total supply                 | Million bushels    | 3,119.2 | 3,025.3 | 2,767.8 | 2,927.1 | 3,402.4 | 3,078.6 | 3,112.1   |
| Disappearance:               |                    |         |         |         |         |         |         |           |
| Food use                     | Million bushels    | 950.8   | 955.1   | 958.3   | 957.1   | 949.0   | 964.4   | 970.0     |
| Seed use                     | Million bushels    | 73.1    | 75.6    | 79.4    | 67.2    | 61.3    | 64.4    | 62.0      |
| Feed and residual use        | Million bushels    | 365.3   | 228.2   | 113.4   | 149.5   | 160.6   | 48.4    | 120.0     |
| Total domestic use           | Million bushels    | 1,389.3 | 1,258.8 | 1,151.1 | 1,173.8 | 1,170.8 | 1,077.2 | 1,152.0   |
| Exports <sup>1</sup>         | Million bushels    | 1,012.1 | 1,176.2 | 864.3   | 777.8   | 1,050.9 | 901.1   | 1,025.0   |
| Total disappearance          | Million bushels    | 2,401.4 | 2,435.1 | 2,015.4 | 1,951.5 | 2,221.8 | 1,978.3 | 2,177.0   |
| Ending stocks                | Million bushels    | 717.9   | 590.3   | 752.4   | 975.6   | 1,180.6 | 1,100.3 | 935.1     |
| CCC inventory                | Million bushels    |         |         |         |         | .0      |         |           |
| Stocks-to-use ratio          |                    | 29.9    | 24.2    | 37.3    | 50.0    | 53.1    | 55.6    | 43.0      |
| 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 | 73.70   | 72.80   | 56.40   | 56.40   | 56.50   | 56.50   | 56.50     |
| Farm price <sup>2</sup>      | Dollars per bushel | 7.77    | 6.87    | 5.99    | 4.89    | 3.89    | 4.73    | 4.60-5.60 |
| Market value of production   | Million dollars    | 17,383  | 14,604  | 11,915  | 10,203  | 8,981   | 8,233   | 9,572     |

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding.

<sup>1</sup> Includes flour and selected other products expressed in grain-equivalent bushels.
 <sup>2</sup> 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.

| Table 2Wheat by class: U. | <ol><li>market year supply and</li></ol> | d disappearance, 8/14/2018 |
|---------------------------|------------------------------------------|----------------------------|
|                           |                                          |                            |

| Market year, item, and unit         All wheat         Winter         Spring         Winter         Winter           2017/18         Area:         Planted acreage         Million acres         46.01         23.43         10.50         5.73         4.05           Planted acreage         Million acres         37.59         17.64         9.67         4.32         3.82           Yield         Bushels per acre         46.31         42.54         39.82         67.66         67.53           Supply:         Beginning stocks         Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         385.01         224.6         258.18           Imports <sup>2</sup> Million bushels         3,078.61         1,346.39         707.59         511.44         370.68           Disappearance:         Food use         Million bushels         904.10         371.11         228.31         90.17         194.01           Seed use         Million bushels         901.10         371.11         228.31         90.17         194.01           Total domestic use         Million bushels         1,978.33         765.00         515.59 <td< th=""><th></th><th></th><th>Soft red</th><th>Hard red</th><th>Hard red</th><th>sappearance</th><th>ket year supply and d</th><th>Wheat by class: U.S. mar</th><th>rable 2</th></td<>           |                          |                    | Soft red | Hard red | Hard red | sappearance | ket year supply and d | Wheat by class: U.S. mar | rable 2  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|----------|----------|----------|-------------|-----------------------|--------------------------|----------|
| 2017/16         Area:<br>Planted acreage         Million acres         46.01         23.43         10.50         5.73         4.05           Harvested acreage         Million acres         37.59         17.64         9.67         4.32         3.82           Yield         Bushels per acre         46.31         42.54         39.82         67.66         67.53           Supply:<br>Beginning stocks         Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         386.01         292.16         258.18           Imports <sup>2</sup> Million bushels         157.43         6.75         87.59         4.28         7.50           Total supply         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         964.39         391.70         254.00         154.00         85.00           Feed and residual use         Million bushels         1,077.23         393.89         288.28         216.27         89.67                                                                                                                                                                                                         | White <sup>1</sup> Durum | White <sup>1</sup> |          |          |          | All wheat   |                       | ear. item. and unit      | Market v |
| Harvested acreage         Million acres         37.59         17.64         9.67         4.32         3.82           Yield         Bushels per acre         46.31         42.54         39.82         67.66         67.53           Supply:<br>Beginning stocks<br>Imports <sup>2</sup> Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         385.01         292.16         258.18           Total supply         Million bushels         1,740.58         750.33         385.01         292.16         258.18           Disappearance:<br>Food use         Million bushels         1,67.3         6.75         87.59         4.14         370.68           Disappearance:<br>Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,077.23         39.38.9         288.28         216.27         89.67                                                                                                                                                                            |                          |                    |          |          |          |             |                       | , ,                      |          |
| Yield         Bushels per acre         46.31         42.54         39.82         67.66         67.53           Supply:<br>Beginning stocks         Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         385.01         292.16         258.18           Imports <sup>2</sup> Million bushels         157.43         6.75         87.59         4.28         7.50           Total supply         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         64.44         25.98         18.30         11.54         5.63           Feed and residual use         Million bushels         964.39         391.70         254.00         154.00         85.00           Stoptrs <sup>2</sup> Million bushels         964.39         391.70         254.00         15.40         85.00           Stoptrs <sup>2</sup> Million bushels         964.39         391.70         254.00         15.40         85.00           Total domestic use         Million bushels         1,077.23         393.89         288.22         16.27         89.67           Ending stocks<                                                                                                                                                                                              | 4.05 2.31                | 4.05               | 5.73     | 10.50    | 23.43    | 46.01       | Million acres         | Planted acreage          |          |
| Supply:<br>Beginning stocks         Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         385.01         292.16         258.18           Imports <sup>3</sup> Million bushels         3,078.61         1,346.39         707.59         511.44         370.68           Disappearance:<br>Food use         Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         964.39         391.70         254.00         154.00         85.00           Total domestic use         Million bushels         967.33         758         282.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:<br>Planted acreage         Million bushels         1,100.29         581.39         191.00                                                                                                                                                                        | 3.82 2.14                | 3.82               | 4.32     | 9.67     | 17.64    | 37.59       | Million acres         | Harvested acreage        |          |
| Beginning stocks         Million bushels         1,180.60         589.30         235.00         215.00         105.00           Production         Million bushels         1,740.58         750.33         385.01         229.16         258.18           Imports <sup>2</sup> Million bushels         157.43         6.75         87.59         4.28         7.50           Total supply         Million bushels         3,078.61         1,346.39         707.59         511.44         370.68           Disappearance:         Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         964.39         391.70         254.00         154.00         85.00           Total domestic use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total domestic use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total disappearance         Million bushels         1,978.33         765.00         516.59         306.44         283.68           Ending stocks         Million acres         47.82         23.23         12.71         5.89         4.11 </td <td>67.53 25.71</td> <td>67.53</td> <td>67.66</td> <td>39.82</td> <td>42.54</td> <td>46.31</td> <td>Bushels per acre</td> <td>Yield</td> <td></td>                              | 67.53 25.71              | 67.53              | 67.66    | 39.82    | 42.54    | 46.31       | Bushels per acre      | Yield                    |          |
| Production         Million bushels         1,740.58         750.33         385.01         292.16         258.18           Imports <sup>2</sup> Million bushels         157.43         6.75         87.59         4.28         7.50           Total supply         Million bushels         3,078.61         1,346.39         707.59         511.44         370.68           Disappearance:         Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         64.44         25.98         18.30         11.54         5.63           Feed and residual use         Million bushels         1,077.23         393.89         288.28         216.27         86.67           Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         86.67           Exports <sup>2</sup> Million bushels         1,072.33         765.00         516.59         306.44         283.68           Ending stocks         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         47.82         23.23         12.71         5.89         4.11                                                                                                                                                                                                               |                          |                    |          |          |          |             |                       | Supply:                  |          |
| Imports <sup>2</sup><br>Total supply         Million bushels<br>Million bushels         157.43<br>3,078.61         6.75<br>1,346.39         87.59<br>707.59         4.28<br>511.44         7.50<br>370.68           Disappearance:<br>Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         64.44         25.80         15.98         50.73        96           Total domestic use         Million bushels         48.40         -23.80         15.98         50.73        96           Total domestic use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total disappearance         Million bushels         1,077.33         765.00         516.59         306.44         283.68           Ending stocks         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         39.56         16.86         12.43         4.53         3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36                                                                                                                                                 | 105.00 36.30             | 105.00             | 215.00   | 235.00   | 589.30   | 1,180.60    | Million bushels       | Beginning stocks         |          |
| Total supply         Million bushels         3,078.61         1,346.39         707.59         511.44         370.68           Disappearance:<br>Food use         Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         64.44         25.98         18.30         11.54         5.63           Feed and residual use         Million bushels         48.40         -23.80         15.98         50.73        96           Total domestic use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports2         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total disappearance         Million bushels         1,077.23         393.89         288.28         216.27         89.67           2018/19         Area:         Planted acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million bushels         1,100.29         581.39         191                                                                                                                                                                                      | 258.18 54.91             | 258.18             | 292.16   | 385.01   | 750.33   | 1,740.58    | Million bushels       | Production               |          |
| Disappearance:<br>Food use         Million bushels         964.39         391.70         254.00         154.00         85.00           Seed use         Million bushels         64.44         25.98         18.30         11.54         5.63           Feed and residual use         Million bushels         48.40         -23.80         15.98         50.73        96           Total domestic use         Million bushels         1,077.23         393.89         288.28         216.27         89.67           Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total disappearance         Million bushels         1,078.33         765.00         516.59         306.44         228.36           Ending stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:         Planted acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         39.56         16.86         12.43         4.53         3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36         <                                                                                                                                                                                         | 7.50 51.31               | 7.50               | 4.28     | 87.59    | 6.75     | 157.43      | Million bushels       | Imports <sup>2</sup>     |          |
| Food use       Million bushels       964.39       391.70       254.00       154.00       85.00         Seed use       Million bushels       64.44       25.98       18.30       11.54       5.63         Feed and residual use       Million bushels       48.40       -23.80       15.98       50.73      96         Total domestic use       Million bushels       1,077.23       393.89       288.28       216.27       89.67         Exports2       Million bushels       901.10       371.11       228.31       90.17       194.01         Total disappearance       Million bushels       1,077.23       765.00       516.59       306.44       283.68         Ending stocks       Million bushels       1,100.29       581.39       191.00       205.00       87.00         2018/19       Area:       Planted acreage       Million acres       47.82       23.23       12.71       5.89       4.11         Harvested acreage       Million acres       39.56       16.86       12.43       4.53       3.90         Yield       Bushels per acre       47.45       39.22       46.91       64.36       68.62         Supply:       Beginning stocks       Million bushels       1,876.79                                                                                                                                                                                                                                                                               | 370.68 142.52            | 370.68             | 511.44   | 707.59   | 1,346.39 | 3,078.61    | Million bushels       | Total supply             |          |
| Food use       Million bushels       964.39       391.70       254.00       154.00       85.00         Seed use       Million bushels       64.44       25.98       18.30       11.54       5.63         Feed and residual use       Million bushels       48.40       -23.80       15.98       50.73      96         Total domestic use       Million bushels       1,077.23       393.89       288.28       216.27       89.67         Exports2       Million bushels       901.10       371.11       228.31       90.17       194.01         Total disappearance       Million bushels       1,077.23       765.00       516.59       306.44       283.68         Ending stocks       Million bushels       1,100.29       581.39       191.00       205.00       87.00         2018/19       Area:       Planted acreage       Million acres       47.82       23.23       12.71       5.89       4.11         Harvested acreage       Million acres       39.56       16.86       12.43       4.53       3.90         Yield       Bushels per acre       47.45       39.22       46.91       64.36       68.62         Supply:       Beginning stocks       Million bushels       1,876.79                                                                                                                                                                                                                                                                               |                          |                    |          |          |          |             |                       | Disappearance:           |          |
| Feed and residual use<br>Total domestic use<br>Exports <sup>2</sup> Million bushels<br>Million bushels         48.40         -23.80         15.98         50.73        96           Total domestic use<br>Exports <sup>2</sup> Million bushels         1,077.23         393.89         288.28         216.27         89.67           Total disappearance         Million bushels         901.10         371.11         228.31         90.17         194.01           Total disappearance         Million bushels         1,978.33         765.00         516.59         306.44         283.68           Ending stocks         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         39.56         16.86         12.43         4.53         3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Total supply         Million bushels         1,277         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         1,100.29         581.39         191.00         205.00 <t< td=""><td>85.00 79.69</td><td>85.00</td><td>154.00</td><td>254.00</td><td>391.70</td><td>964.39</td><td>Million bushels</td><td></td><td></td></t<> | 85.00 79.69              | 85.00              | 154.00   | 254.00   | 391.70   | 964.39      | Million bushels       |                          |          |
| Total domestic use<br>Exports <sup>2</sup><br>Total disappearance         Million bushels<br>Million bushels         1,077.23<br>901.10<br>371.11         393.89<br>288.28         216.27<br>90.17         89.67<br>194.01           2018/19         Area:<br>Planted acreage<br>Harvested acreage         Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:<br>Planted acreage<br>Harvested acreage         Million acres<br>Million acres         47.82<br>39.56         23.23<br>16.86         12.71<br>4.53         5.89<br>4.11         4.53<br>3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production<br>Production         Million bushels         1,202         581.39         191.00         205.00         87.00           Total supply         Million bushels         1,202         581.39         191.00         205.00         87.00           Disappearance:<br>Food use         Million bushels         1,202         582.88         291.81         267.43           Disappearance:<br>Food use         Million bushels         970.00         392.00         260.00         153.00         85.00           S                                           | 5.63 2.99                | 5.63               | 11.54    | 18.30    | 25.98    | 64.44       | Million bushels       | Seed use                 |          |
| Exports <sup>2</sup><br>Total disappearance         Million bushels         901.10<br>1,978.33         765.00         516.59         306.44         283.68           Ending stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:<br>Planted acreage<br>Harvested acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Total supply         Million bushels         1,202         581.39         191.00         205.00         87.00           Total supply         Million bushels         1,200         10.00         65.00         10.00         10.00           Disappearance:<br>Food use         Million bushels         970.00         392.00         260.0                                                                                                                                     | 96 6.45                  | 96                 | 50.73    | 15.98    | -23.80   | 48.40       | Million bushels       | Feed and residual use    |          |
| Total disappearance         Million bushels         1,978.33         765.00         516.59         306.44         283.68           Ending stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:<br>Planted acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Total supply:         Beginning stocks         Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         1,35.00         10.00         10.00         10.00           Total supply         Million bushels         200.02         260.00         153.00         85.00     <                                                                                                                                                                          | 89.67 89.12              | 89.67              | 216.27   | 288.28   | 393.89   | 1,077.23    | Million bushels       | Total domestic use       |          |
| Ending stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           2018/19         Area:<br>Planted acreage<br>Harvested acreage         Million acress         47.82         23.23         12.71         5.89         4.11           Yield         Bushels per acre         47.45         39.56         16.86         12.43         4.53         3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,207         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         1,32.00         10.00         10.00         10.00         10.00           Total supply         Million bushels         1,207         1,252.62         838.88         506.81         364.43           Disappearance:<br>Food use         Million bushels         120.00         45.00         15.00         5.00         5.00                                                                                                                                                                              | 194.01 17.51             | 194.01             | 90.17    | 228.31   | 371.11   | 901.10      | Million bushels       | Exports <sup>2</sup>     |          |
| 2018/19       Area:<br>Planted acreage<br>Harvested acreage       Million acres       47.82       23.23       12.71       5.89       4.11         Yield       Bushels per acre       47.45       39.56       16.86       12.43       4.53       3.90         Yield       Bushels per acre       47.45       39.22       46.91       64.36       68.62         Supply:<br>Beginning stocks       Million bushels       1,100.29       581.39       191.00       205.00       87.00         Production       Million bushels       1,876.79       661.23       582.88       291.81       267.43         Imports <sup>2</sup> Million bushels       1,35.00       10.00       65.00       10.00       10.00         Total supply       Million bushels       970.00       392.00       260.00       153.00       85.00         Seed use       Million bushels       62.00       27.00       17.00       11.00       4.00         Feed and residual use       Million bushels       1,02.00       45.00       15.00       50.00       5.00         Total domestic use       Million bushels       1,025.00       395.00       285.00       115.00       200.00         Exports <sup>2</sup> Million bushels       1,025.00       395.00                                                                                                                                                                                                                                           | 283.68 106.63            | 283.68             | 306.44   | 516.59   | 765.00   | 1,978.33    | Million bushels       | Total disappearance      |          |
| Planted acreage         Million acres         47.82         23.23         12.71         5.89         4.11           Harvested acreage         Million acres         39.56         16.86         12.43         4.53         3.90           Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:         Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         135.00         10.00         65.00         10.00         10.00           Total supply         Million bushels         3,112.07         1,252.62         838.88         506.81         364.43           Disappearance:         Food use         Million bushels         62.00         27.00         17.00         11.00         4.00           Feed and residual use         Million bushels         120.00         45.00         15.00         50.00           Total domestic use         Million bushels         1,025.00         395.00         285.00         115.00         200.00      <                                                                                                                                                                                                  | 87.00 35.90              | 87.00              | 205.00   | 191.00   | 581.39   | 1,100.29    | Million bushels       | Ending stocks            |          |
| Harvested acreageMillion acres39.5616.8612.434.533.90YieldBushels per acre47.4539.2246.9164.3668.62Supply:<br>Beginning stocksMillion bushels1,100.29581.39191.00205.0087.00ProductionMillion bushels1,876.79661.23582.88291.81267.43Imports2Million bushels135.0010.0065.0010.0010.00Total supplyMillion bushels3,112.071,252.62838.88506.81364.43Disappearance:<br>Food useMillion bushels970.00392.00260.00153.0085.00Seed useMillion bushels120.0045.0015.0050.005.00Total domestic use<br>Exports2Million bushels1,152.00464.00292.00214.0094.00Exports2<br>Total disappearanceMillion bushels1,025.00395.00285.00115.00200.00Automestic use<br>Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                          |                    |          |          |          |             |                       | Area:                    | 2018/19  |
| Yield         Bushels per acre         47.45         39.22         46.91         64.36         68.62           Supply:<br>Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         135.00         10.00         65.00         10.00         10.00           Total supply         Million bushels         970.00         392.00         260.00         153.00         85.00           Disappearance:         Food use         Million bushels         970.00         392.00         260.00         153.00         85.00           Seed use         Million bushels         120.00         45.00         15.00         5.00           Feed and residual use         Million bushels         120.00         45.00         15.00         5.00           Total domestic use         Million bushels         1,025.00         395.00         285.00         115.00         200.00           Exports <sup>2</sup> Million bushels         1,025.00         395.00         285.00         115.00         200.00           Total disappearance                                                                                                                                                                                            | 4.11 1.89                | 4.11               | 5.89     | 12.71    | 23.23    | 47.82       | Million acres         | Planted acreage          |          |
| Supply:<br>Beginning stocksMillion bushels $1,100.29$ $581.39$ $191.00$ $205.00$ $87.00$ ProductionMillion bushels $1,876.79$ $661.23$ $582.88$ $291.81$ $267.43$ Imports <sup>2</sup> Million bushels $135.00$ $10.00$ $65.00$ $10.00$ $10.00$ Total supplyMillion bushels $3,112.07$ $1,252.62$ $838.88$ $506.81$ $364.43$ Disappearance:<br>Food useMillion bushels $970.00$ $392.00$ $260.00$ $153.00$ $85.00$ Seed useMillion bushels $62.00$ $27.00$ $17.00$ $11.00$ $4.00$ Feed and residual useMillion bushels $120.00$ $45.00$ $15.00$ $50.00$ $5.00$ Total domestic useMillion bushels $1,025.00$ $395.00$ $285.00$ $115.00$ $200.00$ Total disappearanceMillion bushels $1,025.00$ $395.00$ $577.00$ $329.00$ $294.00$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.90 1.84                | 3.90               | 4.53     | 12.43    | 16.86    | 39.56       | Million acres         | Harvested acreage        |          |
| Beginning stocks         Million bushels         1,100.29         581.39         191.00         205.00         87.00           Production         Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         135.00         10.00         65.00         10.00         10.00           Total supply         Million bushels         3,112.07         1,252.62         838.88         506.81         364.43           Disappearance:         Food use         Million bushels         970.00         392.00         260.00         153.00         85.00           Seed use         Million bushels         62.00         27.00         17.00         11.00         4.00           Feed and residual use         Million bushels         120.00         45.00         15.00         50.00         5.00           Total domestic use         Million bushels         1,025.00         395.00         285.00         115.00         200.00           Exports <sup>2</sup> Million bushels         2,177.00         859.00         577.00         329.00         294.00                                                                                                                                                                                                                                                                                                                    | 68.62 39.89              | 68.62              | 64.36    | 46.91    | 39.22    | 47.45       | Bushels per acre      | Yield                    |          |
| Production         Million bushels         1,876.79         661.23         582.88         291.81         267.43           Imports <sup>2</sup> Million bushels         135.00         10.00         65.00         10.00         10.00           Total supply         Million bushels         3,112.07         1,252.62         838.88         506.81         364.43           Disappearance:         Food use         Million bushels         970.00         392.00         260.00         153.00         85.00           Seed use         Million bushels         62.00         27.00         17.00         11.00         4.00           Feed and residual use         Million bushels         120.00         45.00         15.00         50.00         5.00           Total domestic use         Million bushels         1,025.00         395.00         285.00         115.00         200.00           Exports <sup>2</sup> Million bushels         1,025.00         395.00         285.00         115.00         200.00           Total disappearance         Million bushels         2,177.00         859.00         577.00         329.00         294.00                                                                                                                                                                                                                                                                                                                |                          |                    |          |          |          |             |                       |                          |          |
| Imports2Million bushels135.0010.0065.0010.0010.00Total supplyMillion bushels3,112.071,252.62838.88506.81364.43Disappearance:<br>Food useMillion bushels970.00392.00260.00153.0085.00Seed useMillion bushels62.0027.0017.0011.004.00Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                    |          |          |          | -           |                       | 0 0                      |          |
| Total supplyMillion bushels3,112.071,252.62838.88506.81364.43Disappearance:<br>Food useMillion bushels970.00392.00260.00153.0085.00Seed useMillion bushels62.0027.0017.0011.004.00Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                    |          |          |          | ,           |                       |                          |          |
| Disappearance:<br>Food useMillion bushels970.00392.00260.00153.0085.00Seed useMillion bushels62.0027.0017.0011.004.00Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                          |                    |          |          |          |             |                       |                          |          |
| Food useMillion bushels970.00392.00260.00153.0085.00Seed useMillion bushels62.0027.0017.0011.004.00Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports <sup>2</sup> Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 364.43 149.33            | 364.43             | 506.81   | 838.88   | 1,252.62 | 3,112.07    | Million bushels       | Total supply             |          |
| Seed useMillion bushels62.0027.0017.0011.004.00Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports <sup>2</sup> Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                          |                    |          |          |          |             |                       |                          |          |
| Feed and residual useMillion bushels120.0045.0015.0050.005.00Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports²Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                          |                    |          |          |          |             |                       |                          |          |
| Total domestic useMillion bushels1,152.00464.00292.00214.0094.00Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                    |          |          |          |             |                       |                          |          |
| Exports2Million bushels1,025.00395.00285.00115.00200.00Total disappearanceMillion bushels2,177.00859.00577.00329.00294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                          |                    |          |          |          |             |                       |                          |          |
| Total disappearance Million bushels 2,177.00 859.00 577.00 329.00 294.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                          |                    |          |          |          | -           |                       |                          |          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                          |                    |          |          |          | ,           |                       | -                        |          |
| Ending stocks Million bushels 935.07 393.62 261.88 177.81 70.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 294.00 118.00            | 294.00             | 329.00   | 577.00   | 859.00   | 2,177.00    | Million bushels       | Total disappearance      |          |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 70.43 31.33              | 70.43              | 177.81   | 261.88   | 393.62   | 935.07      | Million bushels       | Ending stocks            |          |

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding. <sup>1</sup> Area and yield data are unpublished National Agricultural Statistics Service data. Supply and disappearance data, except Alea and yield data are unpublished reaction Agricultural Agricultural Claudede Connect data: Copp. 2012 2019
 <sup>2</sup> 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 Supply and Demand Estimates and supporting materials.

| Table 3Wheat: U.S. | quarterly suppl | v and disappearance | (million bushels), 8/14/2018 |
|--------------------|-----------------|---------------------|------------------------------|
|                    |                 |                     |                              |

| Market ves | ar and quarter | Production | Imports <sup>1</sup> | Total supply | Food use | Seed use | Feed and<br>residual use | Exports <sup>1</sup> | Ending<br>stock |
|------------|----------------|------------|----------------------|--------------|----------|----------|--------------------------|----------------------|-----------------|
| 2010/11    | Jun-Aug        | 2,163      | 27                   | 3,166        | 235      | <u> </u> | 215                      | 265                  | 2,45            |
|            | Sep-Nov        | 2,100      | 24                   | 2,473        | 200      | 51       | -63                      | 311                  | 1,93            |
|            | Dec-Feb        |            |                      |              |          |          | -00                      |                      |                 |
|            |                |            | 23                   | 1,956        | 221      | 1        | 07                       | 308                  | 1,42            |
|            | Mar-May        |            | 22                   | 1,448        | 228      | 16       | -67                      | 407                  | 86              |
|            | Mkt. year      | 2,163      | 97                   | 3,236        | 926      | 71       | 85                       | 1,291                | 86              |
| 2011/12    | Jun-Aug        | 1,993      | 21                   | 2,877        | 230      | 5        | 201                      | 295                  | 2,14            |
|            | Sep-Nov        |            | 32                   | 2,179        | 244      | 51       | -16                      | 238                  | 1,66            |
|            | Dec-Feb        |            | 30                   | 1,693        | 231      | 1        | 44                       | 217                  | 1,19            |
|            | Mar-May        |            | 30                   | 1,229        | 236      | 19       | -70                      | 301                  | 74              |
|            | Mkt. year      | 1,993      | 113                  | 2,969        | 941      | 76       | 159                      | 1,051                | 74              |
| 0040/40    | lune Arres     | 0.050      | 20                   | 2 0 0 0      | 000      | 4        | 400                      | 004                  | 0.44            |
| 2012/13    | Jun-Aug        | 2,252      | 26                   | 3,020        | 238      | 1        | 403                      | 264                  | 2,11            |
|            | Sep-Nov        |            | 33                   | 2,148        | 247      | 55       | -22                      | 198                  | 1,67            |
|            | Dec-Feb        |            | 35                   | 1,705        | 229      | 1        | 5                        | 235                  | 1,23            |
|            | Mar-May        |            | 31                   | 1,266        | 238      | 15       | -20                      | 315                  | 71              |
|            | Mkt. year      | 2,252      | 124                  | 3,119        | 951      | 73       | 365                      | 1,012                | 71              |
| 2013/14    | Jun-Aug        | 2,135      | 36                   | 2,889        | 235      | 4        | 422                      | 358                  | 1,87            |
|            | Sep-Nov        | _,         | 48                   | 1,918        | 249      | 53       | -168                     | 309                  | 1,47            |
|            | Dec-Feb        |            | 42                   | 1,517        | 231      | 2        | -1                       | 228                  | 1,05            |
|            | Mar-May        |            | 47                   | 1,104        | 240      | 17       | -25                      | 282                  | 59              |
|            | ,              | 0.405      |                      |              |          |          |                          |                      |                 |
|            | Mkt. year      | 2,135      | 172                  | 3,025        | 955      | 76       | 228                      | 1,176                | 59              |
| 2014/15    | Jun-Aug        | 2,026      | 44                   | 2,661        | 239      | 6        | 256                      | 253                  | 1,90            |
|            | Sep-Nov        |            | 35                   | 1,942        | 248      | 49       | -93                      | 208                  | 1,53            |
|            | Dec-Feb        |            | 37                   | 1,566        | 231      | 2        | 8                        | 185                  | 1,14            |
|            | Mar-May        |            | 36                   | 1,176        | 240      | 22       | -58                      | 219                  | 75              |
|            | Mkt. year      | 2,026      | 151                  | 2,768        | 958      | 79       | 113                      | 864                  | 75              |
| 2015/16    | Jun-Aug        | 2,062      | 27                   | 2,841        | 240      | 1        | 298                      | 205                  | 2,09            |
| 2010/10    | Sep-Nov        | 2,002      | 27                   | 2,124        | 249      | 44       | -107                     | 192                  | 1,74            |
|            | Dec-Feb        |            | 34                   | 1,780        | 249      | 2        | 2                        | 175                  |                 |
|            |                |            |                      |              |          |          |                          |                      | 1,37            |
|            | Mar-May        | 0.000      | 25                   | 1,397        | 239      | 20       | -43                      | 205                  | 97              |
|            | Mkt. year      | 2,062      | 113                  | 2,927        | 957      | 67       | 149                      | 778                  | 97              |
| 2016/17    | Jun-Aug        | 2,309      | 33                   | 3,317        | 238      | 1        | 266                      | 268                  | 2,54            |
|            | Sep-Nov        |            | 29                   | 2,575        | 245      | 41       | -30                      | 239                  | 2,07            |
|            | Dec-Feb        |            | 25                   | 2,104        | 228      | 1        | -13                      | 229                  | 1,65            |
|            | Mar-May        |            | 31                   | 1,690        | 238      | 19       | -62                      | 315                  | 1,18            |
|            | Mkt. year      | 2,309      | 118                  | 3,402        | 949      | 61       | 161                      | 1,051                | 1,18            |
| 2017/18    | Jun-Aug        | 1,741      | 42                   | 2,963        | 239      | 2        | 164                      | 292                  | 2,26            |
| 2017/10    | -              | 1,741      |                      |              |          |          |                          |                      |                 |
|            | Sep-Nov        |            | 36                   | 2,302        | 251      | 41       | -56                      | 194                  | 1,87            |
|            | Dec-Feb        |            | 37                   | 1,911        | 233      | 1        | -14                      | 195                  | 1,49            |
|            | Mar-May        |            | 42                   | 1,537        | 242      | 20       | -46                      | 221                  | 1,10            |
|            | Mkt. year      | 1,741      | 157                  | 3,079        | 964      | 64       | 48                       | 901                  | 1,10            |
| 2018/19    | Mkt. year      | 1,877      | 135                  | 3,112        | 970      | 62       | 120                      | 1,025                | 93              |

Latest market year is projected; previous market year is estimated. Totals may not add due to rounding. <sup>1</sup> 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.

| Mkt year a month 1/ | and | Wheat ground for +<br>flour | Food imports <sup>2</sup> | + Nonmilled food use <sup>3</sup> - | Food exports <sup>2</sup> = | Food use <sup>4</sup> |
|---------------------|-----|-----------------------------|---------------------------|-------------------------------------|-----------------------------|-----------------------|
| 2016/17             | Jun | 73,149                      | 2,933                     | 2,000                               | 2,150                       | 75,932                |
|                     | Jul | 74,237                      | 2,637                     | 2,000                               | 1,666                       | 77,208                |
|                     | Aug | 81,136                      | 3,198                     | 2,000                               | 1,855                       | 84,479                |
|                     | Sep | 78,018                      | 2,533                     | 2,000                               | 2,142                       | 80,409                |
|                     | Oct | 81,469                      | 2,966                     | 2,000                               | 2,325                       | 84,109                |
|                     | Nov | 77,978                      | 3,189                     | 2,000                               | 2,201                       | 80,967                |
|                     | Dec | 73,195                      | 2,860                     | 2,000                               | 1,862                       | 76,192                |
|                     | Jan | 73,561                      | 2,858                     | 2,000                               | 2,026                       | 76,393                |
|                     | Feb | 72,977                      | 2,296                     | 2,000                               | 1,974                       | 75,299                |
|                     | Mar | 77,425                      | 2,830                     | 2,000                               | 1,803                       | 80,452                |
|                     | Apr | 74,812                      | 2,822                     | 2,000                               | 1,548                       | 78,085                |
|                     | May | 76,492                      | 2,809                     | 2,000                               | 1,973                       | 79,328                |
| 2017/18             | Jun | 73,183                      | 3,242                     | 2,000                               | 1,849                       | 76,576                |
|                     | Jul | 74,520                      | 2,964                     | 2,000                               | 1,794                       | 77,689                |
|                     | Aug | 81,444                      | 3,148                     | 2,000                               | 2,088                       | 84,505                |
|                     | Sep | 78,315                      | 2,620                     | 2,000                               | 1,462                       | 81,473                |
|                     | Oct | 82,325                      | 3,239                     | 2,000                               | 1,167                       | 86,397                |
|                     | Nov | 78,798                      | 3,218                     | 2,000                               | 1,301                       | 82,714                |
|                     | Dec | 73,964                      | 2,934                     | 2,000                               | 1,569                       | 77,329                |
|                     | Jan | 74,607                      | 3,075                     | 2,000                               | 1,423                       | 78,259                |
|                     | Feb | 74,014                      | 2,948                     | 2,000                               | 1,589                       | 77,374                |
|                     | Mar | 78,526                      | 3,197                     | 2,000                               | 1,571                       | 82,152                |
|                     | Apr | 75,525                      | 3,259                     | 2,000                               | 1,432                       | 79,351                |
|                     | May | 77,221                      | 3,087                     | 2,000                               | 1,742                       | 80,566                |
| 2018/19             | Jun | 73,881                      | 2,921                     | 2,000                               | 1,689                       | 77,113                |

<sup>1</sup> Current year is preliminary. Previous year is preliminary through August of current year, estimated afterwards. <sup>2</sup> 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.

<sup>3</sup> Wheat prepared for food use by processes other than milling.
 <sup>4</sup>Estimated food use equals wheat ground for flour plus food imports plus nonmilled food use minus food exports.
 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.

Table 5--Wheat: National average price received by farmers (dollars per bushel) , 8/14/2018

| Month     | All wheat |         | Winter  |         | Durum   |         | Other spring |         |
|-----------|-----------|---------|---------|---------|---------|---------|--------------|---------|
|           | 2017/18   | 2018/19 | 2017/18 | 2018/19 | 2017/18 | 2018/19 | 2017/18      | 2018/19 |
| June      | 4.37      | 5.17    | 4.11    | 5.05    | 6.69    | 6.33    | 5.35         | 5.66    |
| July      | 4.77      |         | 4.56    |         | 6.30    |         | 6.09         |         |
| August    | 4.83      |         | 4.27    |         | 6.93    |         | 5.87         |         |
| September | 4.65      |         | 4.11    |         | 6.32    |         | 5.62         |         |
| October   | 4.64      |         | 4.17    |         | 6.41    |         | 5.55         |         |
| November  | 4.73      |         | 4.07    |         | 6.53    |         | 5.78         |         |
| December  | 4.51      |         | 3.91    |         | 6.25    |         | 5.61         |         |
| January   | 4.69      |         | 4.19    |         | 6.12    |         | 5.72         |         |
| February  | 4.92      |         | 4.63    |         | 6.20    |         | 5.65         |         |
| March     | 5.10      |         | 4.73    |         | 5.67    |         | 5.74         |         |
| April     | 5.29      |         | 4.90    |         | 5.66    |         | 5.78         |         |
| May       | 5.39      |         | 5.05    |         | 6.02    |         | 5.84         |         |

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

Table 6--Wheat: National average prices received by farmers by class (dollars per bushel), 8/14/2018

| Month     | Hard red winter |         | Soft red winter |         | Hard red spring |         | White   |         |
|-----------|-----------------|---------|-----------------|---------|-----------------|---------|---------|---------|
|           | 2017/18         | 2018/19 | 2017/18         | 2018/19 | 2017/18         | 2018/19 | 2017/18 | 2018/19 |
| June      | 3.99            | 5.12    | 4.50            | 4.80    | 5.41            | 5.71    | 4.30    | 4.89    |
| July      | 4.45            |         | 4.84            |         | 6.16            |         | 4.77    |         |
| August    | 4.10            |         | 4.49            |         | 6.07            |         | 4.43    |         |
| September | 3.82            |         | 4.33            |         | 5.75            |         | 4.55    |         |
| October   | 3.82            |         | 4.48            |         | 5.73            |         | 4.59    |         |
| November  | 3.84            |         | 4.31            |         | 5.89            |         | 4.58    |         |
| December  | 3.66            |         | 4.45            |         | 5.72            |         | 4.47    |         |
| January   | 3.95            |         | 4.74            |         | 5.84            |         | 4.68    |         |
| February  | 4.65            |         | 4.68            |         | 5.76            |         | 4.58    |         |
| March     | 4.71            |         | 4.86            |         | 5.84            |         | 4.74    |         |
| April     | 4.83            |         | 4.92            |         | 5.85            |         | 5.02    |         |
| May       | 5.05            |         | 5.06            |         | 5.90            |         | 5.00    |         |

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

| Table 7Whea       | at: Average cash                                                                       | <u> </u>   |                                                                                    |            |                                                                                     |            |                                                                                                        |             |
|-------------------|----------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------|-------------|
|                   | No. 1 hard red winter<br>(ordinary protein)<br>Kansas City, MO<br>(dollars per bushel) |            | No. 1 hard red winter<br>(13% protein)<br>Kansas City, MO<br>(dollars per bushel)  |            | No. 1 hard red winter<br>(ordinary protein)<br>Portland, OR<br>(dollars per bushel) |            | No. 1 hard red winter<br>(ordinary protein)<br>Texas Gulf, TX <sup>1</sup><br>(dollars per metric ton) |             |
|                   | (uoliais p                                                                             | er busner) | (uoliais p                                                                         | er bushei) | (uoliais p                                                                          | er busher) | (uoliais pei                                                                                           | metric ton) |
| Month             | 2017/18                                                                                | 2018/19    | 2017/18                                                                            | 2018/19    | 2017/18                                                                             | 2018/19    | 2017/18                                                                                                | 2018/19     |
| June              | 5.24                                                                                   | 6.35       | 6.65                                                                               | 6.79       | 4.53                                                                                | 5.58       | 189.60                                                                                                 | 213.85      |
| July              | 5.65                                                                                   | 6.20       | 7.22                                                                               | 6.66       | 5.12                                                                                | 5.24       | 203.74                                                                                                 | 214.58      |
| August            | 4.80                                                                                   |            | 6.28                                                                               |            | 4.22                                                                                |            | 171.41                                                                                                 |             |
| September         | 5.07                                                                                   |            | 6.52                                                                               |            | 4.81                                                                                |            | 178.76                                                                                                 |             |
| October           | 5.11                                                                                   |            | 6.24                                                                               |            | 5.03                                                                                |            | 175.82                                                                                                 |             |
| November          | 5.30                                                                                   |            | 6.84                                                                               |            | 4.96                                                                                |            | 179.49                                                                                                 |             |
| December          | 5.38                                                                                   |            | 6.72                                                                               |            | 4.84                                                                                |            | 183.90                                                                                                 |             |
| January           | 5.73                                                                                   |            | 6.94                                                                               |            | 5.03                                                                                |            | 192.17                                                                                                 |             |
| February          | 5.93                                                                                   |            | 6.89                                                                               |            | 5.41                                                                                |            |                                                                                                        |             |
| March             | 6.05                                                                                   |            | 6.70                                                                               |            | 5.52                                                                                |            |                                                                                                        |             |
| April             | 6.09                                                                                   |            | 6.67                                                                               |            | 5.64                                                                                |            | 213.48                                                                                                 |             |
| May               | 6.56                                                                                   |            | 7.03                                                                               |            | 5.93                                                                                |            |                                                                                                        |             |
|                   | No. 1 dark northern spring<br>(13% protein)<br>Chicago, IL<br>(dollars per bushel)     |            | No. 1 dark northern spring<br>(14% protein)<br>Chicago, IL<br>(dollars per bushel) |            | No. 1 dark northern spring<br>(14% protein)<br>Portland, OR<br>(dollars per bushel) |            | No. 1 hard amber durum<br>Minneapolis, MN<br>(dollars per bushel)                                      |             |
|                   | 2017/18                                                                                | 2018/19    | 2017/18                                                                            | 2018/19    | 2017/18                                                                             | 2018/19    | 2017/18                                                                                                | 2018/19     |
| June              |                                                                                        |            |                                                                                    |            | 7.50                                                                                | 6.98       |                                                                                                        |             |
| July              |                                                                                        |            |                                                                                    |            | 8.77                                                                                | 6.58       |                                                                                                        |             |
| August            |                                                                                        |            |                                                                                    |            | 7.74                                                                                |            |                                                                                                        |             |
| September         |                                                                                        |            |                                                                                    |            | 7.40                                                                                |            |                                                                                                        |             |
| October           |                                                                                        |            |                                                                                    |            | 7.39                                                                                |            |                                                                                                        |             |
| November          |                                                                                        |            |                                                                                    |            | 7.52                                                                                |            |                                                                                                        |             |
| December          |                                                                                        |            |                                                                                    |            | 7.38                                                                                |            |                                                                                                        |             |
| January           |                                                                                        |            |                                                                                    |            | 7.42                                                                                |            |                                                                                                        |             |
| February          |                                                                                        |            |                                                                                    |            | 7.29                                                                                |            |                                                                                                        |             |
| March             |                                                                                        |            |                                                                                    |            | 7.29                                                                                |            |                                                                                                        |             |
|                   |                                                                                        |            |                                                                                    |            | -                                                                                   |            |                                                                                                        |             |
| April<br>Marí     |                                                                                        |            |                                                                                    |            | 7.06                                                                                |            |                                                                                                        |             |
| Мау               | <br>No. 2 coff                                                                         |            | <br>No 2 ooft                                                                      |            | 7.51                                                                                |            | <br>No.1.o                                                                                             |             |
|                   | No. 2 soft red winter<br>St. Louis, MO<br>(dollars per bushel)                         |            | No. 2 soft red winter<br>Chicago, IL<br>(dollars per bushel)                       |            | No. 2 soft red winter<br>Toledo, OH<br>(dollars per bushel)                         |            | No. 1 soft white<br>Portland, OR<br>(dollars per bushel)                                               |             |
|                   | 2017/18                                                                                | 2018/19    | 2017/18                                                                            | 2018/19    | 2017/18                                                                             | 2018/19    | 2017/18                                                                                                | 2018/19     |
| June              | 4.66                                                                                   | 5.16       | 4.41                                                                               | 4.92       | 4.44                                                                                | 5.15       | 4.91                                                                                                   | 5.92        |
| July              | 5.15                                                                                   | 5.21       | 4.96                                                                               | 4.98       | 4.94                                                                                | 5.20       | 5.40                                                                                                   | 5.88        |
| August            | 4.31                                                                                   |            | 4.12                                                                               |            | 4.20                                                                                |            | 5.13                                                                                                   |             |
| September         | 4.30                                                                                   |            | 4.23                                                                               |            | 4.27                                                                                |            | 5.19                                                                                                   |             |
| October           | 4.16                                                                                   |            | 4.22                                                                               |            | 4.24                                                                                |            | 5.30                                                                                                   |             |
| November          | 4.34                                                                                   |            | 4.13                                                                               |            | 4.18                                                                                |            | 5.26                                                                                                   |             |
| December          | 4.28                                                                                   |            | 4.12                                                                               |            | 4.04                                                                                |            | 5.20                                                                                                   |             |
| January           | 4.38                                                                                   |            | 4.12                                                                               |            | 4.22                                                                                |            | 5.30                                                                                                   |             |
| February          | 4.65                                                                                   |            | 4.27                                                                               |            | 4.22                                                                                |            | 5.39                                                                                                   |             |
| March             |                                                                                        |            | 4.55                                                                               |            | 4.54<br>4.75                                                                        |            | 5.64                                                                                                   |             |
| April             | 4.76                                                                                   |            |                                                                                    |            |                                                                                     |            |                                                                                                        |             |
|                   | 4.75                                                                                   |            | 4.74                                                                               |            | 4.85                                                                                |            | 5.63                                                                                                   |             |
| May<br>Not availa | 5.19                                                                                   |            | 5.08                                                                               |            | 5.24                                                                                |            | 5.79                                                                                                   |             |

Table 7.-Wheat: Average cash grain hids at principal markets 8/14/2018

--- = Not available or no quote. <sup>1</sup> Free on board. Source: USDA, Agricultural Marketing Service, State Grain Reports.

Table 8--Wheat: U.S. exports and imports for last 6 months (1,000 bushels), 8/14/2018

| wheat grain<br>wheat flour <sup>1</sup><br>wheat products <sup>2</sup> | Jan<br>2018<br>65,821<br>964<br>473                     | Feb<br>2018<br>51,423<br>1,094        | Mar<br>2018<br>78,069<br>1,157                                                                         | Apr<br>2018<br>71,212<br>1,088                                                                                             | May<br>2018<br>66,391<br>1,360                                                                                                                         | ,                                                                                                                                                                                  |
|------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| l wheat flour <sup>1</sup>                                             | 65,821<br>964                                           | 51,423<br>1,094                       | 78,069                                                                                                 | 71,212                                                                                                                     | 66,391                                                                                                                                                 | 56,270                                                                                                                                                                             |
| l wheat flour <sup>1</sup>                                             | 964                                                     | 1,094                                 | ,                                                                                                      | ,                                                                                                                          | )                                                                                                                                                      | 56,270<br>1,365                                                                                                                                                                    |
|                                                                        |                                                         | ,                                     | 1,157                                                                                                  | 1,088                                                                                                                      | 1.360                                                                                                                                                  | 1 365                                                                                                                                                                              |
| l wheat products <sup>2</sup>                                          | 473                                                     | 500                                   |                                                                                                        |                                                                                                                            | ,                                                                                                                                                      | 1,000                                                                                                                                                                              |
|                                                                        |                                                         | 523                                   | 456                                                                                                    | 372                                                                                                                        | 401                                                                                                                                                    | 370                                                                                                                                                                                |
| otal all wheat                                                         | 67,258                                                  | 53,040                                | 79,682                                                                                                 | 72,673                                                                                                                     | 68,151                                                                                                                                                 | 58,006                                                                                                                                                                             |
| wheat grain                                                            | 9,775                                                   | 9,137                                 | 10,243                                                                                                 | 11,567                                                                                                                     | 10,584                                                                                                                                                 | 11,425                                                                                                                                                                             |
| l wheat flour <sup>1</sup>                                             | 1,446                                                   | 1,301                                 | 1,547                                                                                                  | 1,454                                                                                                                      | 1,429                                                                                                                                                  | 1,285                                                                                                                                                                              |
| wheat products <sup>2</sup>                                            | 1,680                                                   | 1,657                                 | 1,676                                                                                                  | 1,828                                                                                                                      | 1,713                                                                                                                                                  | 1,679                                                                                                                                                                              |
| otal all wheat                                                         | 12,901                                                  | 12,095                                | 13,466                                                                                                 | 14,848                                                                                                                     | 13,726                                                                                                                                                 | 14,390                                                                                                                                                                             |
| 1                                                                      | wheat flour <sup>1</sup><br>wheat products <sup>2</sup> | wheat flour11,446wheat products21,680 | wheat flour <sup>1</sup> 1,446         1,301           wheat products <sup>2</sup> 1,680         1,657 | wheat flour1         1,446         1,301         1,547           wheat products2         1,680         1,657         1,676 | wheat flour1         1,446         1,301         1,547         1,454           wheat products2         1,680         1,657         1,676         1,828 | wheat flour1         1,446         1,301         1,547         1,454         1,429           wheat products2         1,680         1,657         1,676         1,828         1,713 |

Totals may not add due to rounding. <sup>1</sup> Expressed in grain-equivalent bushels. Includes meal, groats, and durum. <sup>2</sup> 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 Economic Research Service calculations using Census trade statistics.

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