

#### World Agricultural Supply and Demand Estimates

Report of February 11, 2020

#### Interagency Commodity Estimates Committee Forecasts

World Agricultural Outlook Board, Chairing Agency
Economic Research Service
Foreign Agricultural Service
Farm Service Agency
Agricultural Marketing Service

# U.S. Wheat Supply and Demand

Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from <b>2018/2019</b>
Planted area (million acres)	47.8	45.2		-2.7
Harvested area (million acres)	39.6	37.2		-2.5
Yield (bushels per acre)	47.6	51.7		4.1
	-	Millior	bushels	
Beginning stocks	1,099	1,080		-19
Production	1,885	1,920		35
Imports	135	105		-30
Total supply	3,119	3,105		-14
Food use	955	955		**
Seed	59	60		1
Feed and residual	90	150		60
Domestic use	1,103	1,165		62
Exports	936	1,000	25	64
Total use	2,039	2,165	25	126
Ending stocks	1,080	940	-25	-140
	-	Pe	rcent	
Stocks to use ratio	52.9	43.4	-1.7	-9.5
		Dollars	per bushel	
Average market price	5.16	4.55		-0.61

<sup>--</sup> No change. \*\* Rounds to zero.

# World Wheat Supply and Use

ltem	2018/2019 estimate	2019/2020 forecast	Change from January 10	<b>Change from 2018/2019</b>			
	Million Tons						
Beginning stocks	283.8	278.3	0.2	-5.6			
Production	731.5	764.0	-0.4	32.5			
<b>Total Supply</b>	1,015.3	1,042.2	-0.2	26.9			
Feed use	139.8	148.0	-0.4	8.2			
Total use	737.0	754.2	-0.2	17.2			
Trade	173.5	182.8	1.8	9.3			
<b>Ending Stocks</b>	278.3	288.0	**	9.8			

<sup>\*\*</sup> Rounds to zero.

# U.S. Corn Supply and Demand

	2018/2019	2019/2020	Change from	Change from	
Item	estimate	forecast	January 10	2018/2019	
Planted area (million acres)	88.9	89.7		0.8	
Harvested area (million acres)	81.3	81.5		0.2	
Yield (bushels per acre)	176.4	168.0		-8.4	
	-	Millior	n bushels	<b></b>	
Beginning stocks	2,140	2,221		80	
Production	14,340	13,692		-649	
Imports	28	50		22	
Total supply	16,509	15,962		-546	
Feed and residual	5,432	5,525		93	
Food, seed, and industrial	6,791	6,820	50	29	
Ethanol	5,376	5,425	50	49	
Domestic use	12,223	12,345	50	122	
Exports	2,065	1,725	-50	-340	
Total use	14,288	14,070		-218	
Ending stocks	2,221	1,892		-328	
	-	Pe	rcent		
Stocks to use ratio	15.5	13.4		-2.1	
	Dollars per bushel				
Average market price	3.61	3.85		0.24	

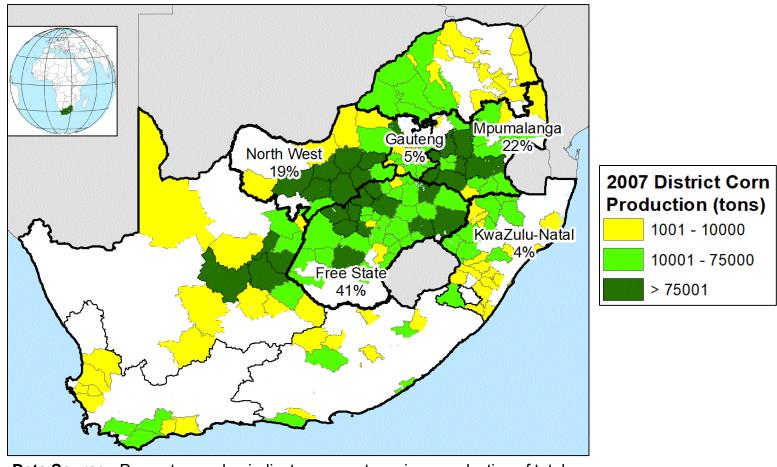
<sup>--</sup> No change.

#### World Corn Production

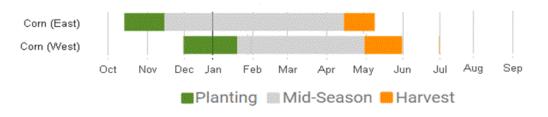
	2018/2019	2019/2020	Change from	Change from
<b>Country or Region</b>	estimate	forecast	January 10	2018/2019
		Mill	lion Tons	
World	1,122.7	1,111.6	0.8	-11.1
<b>United States</b>	364.3	347.8		-16.5
Foreign	758.5	763.8	0.8	5.3
Argentina	51.0	50.0		-1.0
Brazil	101.0	101.0		
Mexico	27.6	25.0		-2.6
Canada	13.9	13.4		-0.5
<b>European Union</b>	64.4	65.0		0.6
Serbia	7.0	6.8		-0.3
FSU-12	52.6	55.5	0.6	3.0
Ukraine	35.8	35.8	0.3	**
Russia	11.4	14.5		3.1
South Africa	11.8	14.5	0.5	2.7
China	257.3	260.8		3.4
India	27.2	29.0		1.8

<sup>--</sup> No change.

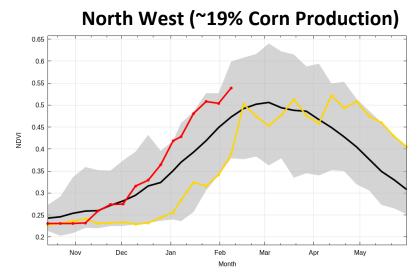
#### **South Africa Corn Production**

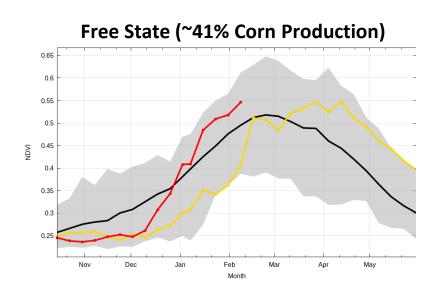


**Data Source:** Percentage value indicates percent province production of total average production (2011-2015) from South Africa's Crop Estimates Committee, Department of Agriculture, Forestry & Fisheries.

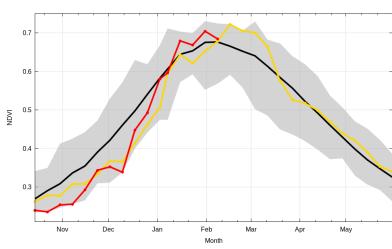


#### South Africa Corn: Terra MODIS NDVI 8-day (Feb. 9, 2020)





#### Mpumalanga (~21% Corn Production)





## 2019/20 South Africa Corn Summary

South Africa				Change from	Change from	5-year	
Corn	Unit	2019/20	2018/19 Pr	evious Month	Previous Year	Average	Record
Area	Mil Ha	2.9	2.6	NC	12%	2.7	5.1 (86/87)
Yield	Tons/Ha	5.00	4.54	4%	10%	4.56	5.83 (16/17)
Production	Mil Tons	14.5	11.8	4%	23%	12.3	17.48 (16/17)

- Dry October delayed planting in the east.
- Favorable rains from November-January
  - Planted area > intended area
  - Crop conditions average to above-average.
  - Pollination started in mid-January in the east and late January in the west.
- Trend yields should be achieved, if normal rainfall received during grain-filling stages from February through March.
- Harvest begins in April.

# World Corn Supply and Use

Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from <b>2018/2019</b>				
		Million Tons						
Beginning stocks	341.3	320.5	0.1	-20.8				
Production	1,122.7	1,111.6	0.8	-11.1				
<b>Total Supply</b>	1,464.0	1,432.1	0.8	-32.0				
Feed use	700.8	704.9	1.0	4.1				
Total use	1,143.5	1,135.2	1.8	-8.3				
Trade	181.6	165.8	0.1	-15.9				
<b>Ending Stocks</b>	320.5	296.8	-1.0	-23.6				

# U.S. Soybeans Supply and Demand

Item	2018/2019 estimate	2019/2020 forecast	Change from January 10	Change from 2018/2019
Planted area (million acres)	89.2	76.1		-13.1
Harvested area (million acres)	87.6	75.0		-12.6
Yield (bushels per acre)	50.6	47.4		-3.1
	-	Millior	n bushels	
Beginning stocks	438	909		471
Production	4,428	3,558		-870
Imports	14	15		1
Total supply	4,880	4,482		-398
Crush	2,092	2,105		13
Seed and Residual	132	128		-4
Domestic use	2,224	2,233		9
Exports	1,748	1,825	50	77
Total use	3,971	4,058	50	87
<b>Ending stocks</b>	909	425	-50	-485
	-	Pe	rcent	
Stocks to use ratio	22.9	10.5	-1.4	-12.4
		Dollars	per bushel	
Average market price	8.48	8.75	-0.25	0.27

<sup>--</sup> No change.

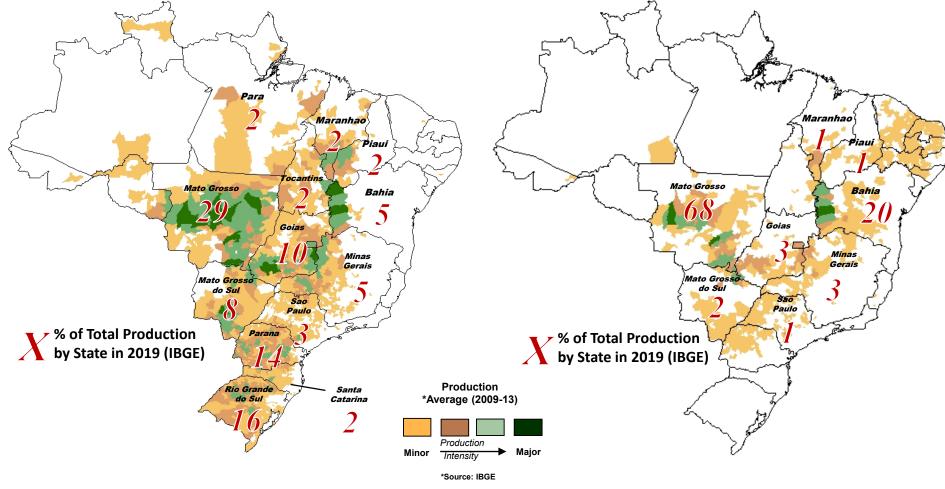
# World Soybean Production

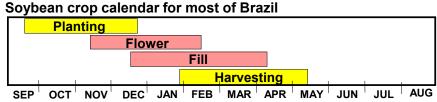
	2018/2019	2019/2020	Change from	Change from
Country or Region	estimate	forecast	January 10	2018/2019
		Mil	lion Tons	
World	358.6	339.4	1.7	-19.2
<b>United States</b>	120.5	96.8		-23.7
Foreign	238.1	242.6	1.7	4.4
Argentina	55.3	53.0		-2.3
Brazil	117.0	125.0	2.0	8.0
Paraguay	8.8	9.9	-0.3	1.1
Canada	7.3	6.0		-1.3
India	10.9	9.0		-1.9
China	16.0	18.1		2.1

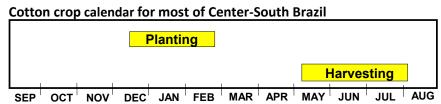
<sup>--</sup> No change.

# Soybeans

## Cotton

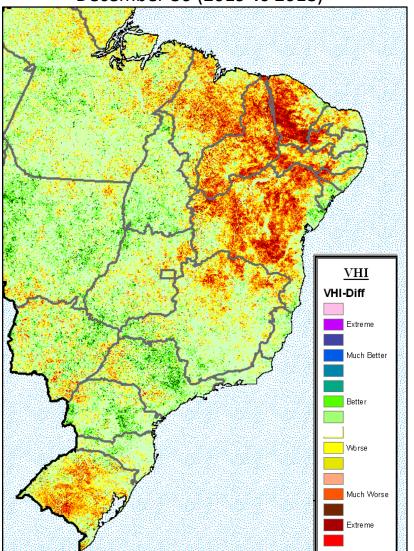






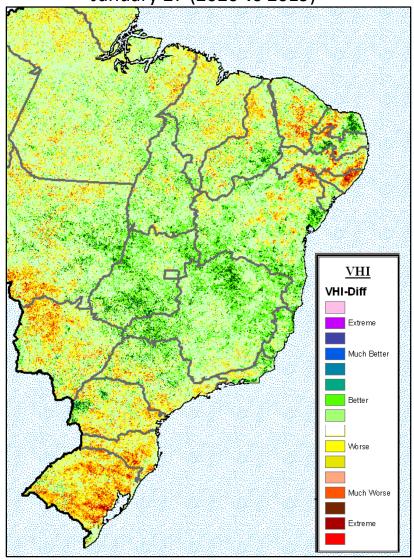
#### VHI: Year-to-Year Difference

December 30 (2019 vs 2018)



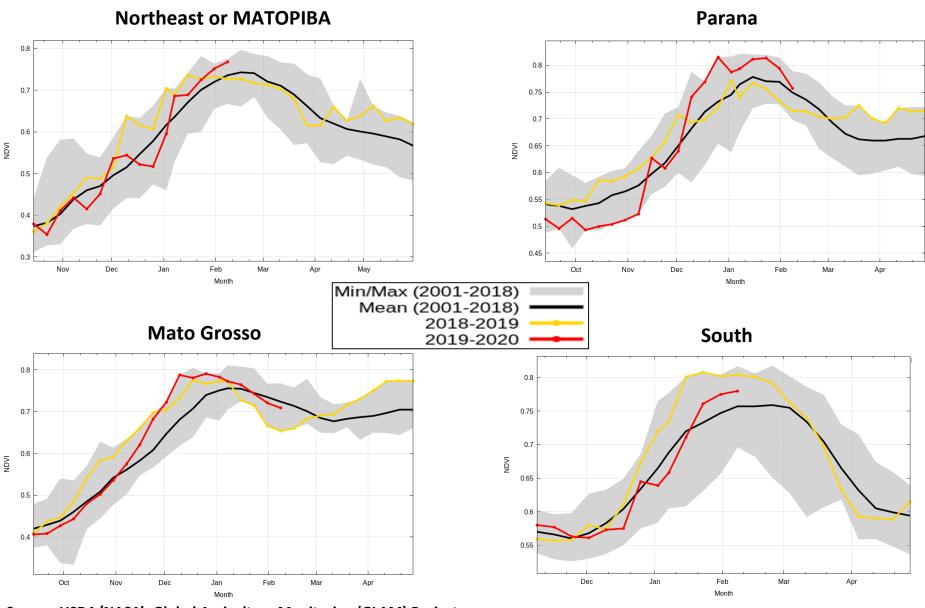
#### VHI: Year-to-Year Difference

January 27 (2020 vs 2019)



Source: NOAA/NESDIS

#### Brazil Soybean & Cotton: Terra MODIS NDVI 8-day (Feb. 9, 2020)



Source: USDA/NASA's Global Agriculture Monitoring (GLAM) Project http://glam1.gsfc.nasa.gov/. Terra EOS AM. MODIS NDVI 8-day. IFPRI-SPAM\_2010v1.0\_soybean. ADM

## Brazil 2019/20 Soybean Summary

				Change from	Change from	5-year	
Brazil Soybear	ns Unit	2019/20	2018/19	Previous Month	Previous Year	Average	Record
Area	Mil Ha	36.9	* 35.9	NC	3%	34.1	35.9 (18/19)
Yield	Tons/Ha	3.39	3.26	2%	4%	3.21	3.47 (17/18)
Production	Mil Tons	125.0	* 117.0	2%	7%	109.5	122.0 (17/18)

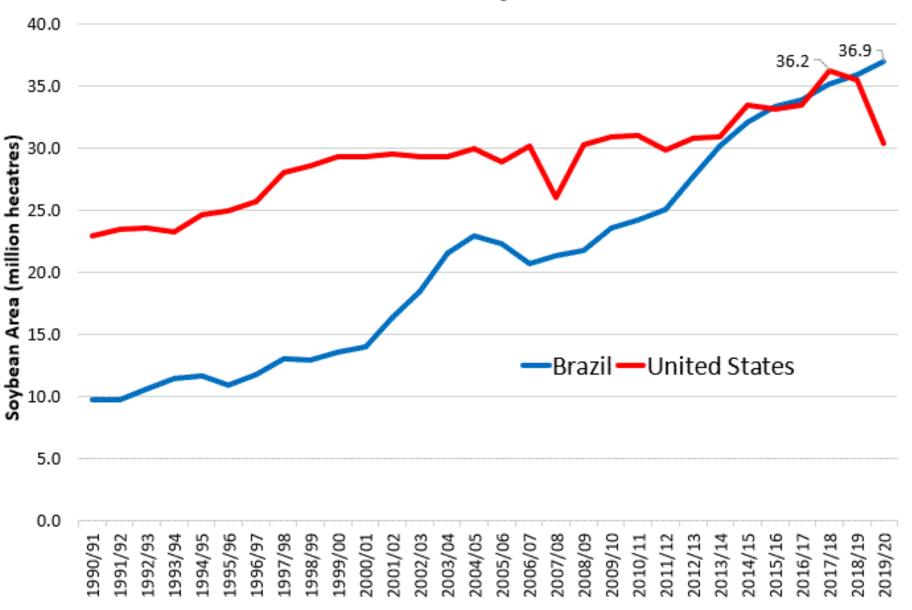
- \* denotes record
- Record soybean area planted.
  - Soybean area can increase next year because plenty of pasture available.
- December drought in Northeast (14 mmt) and Rio Grande do Sol (19 mmt) but good rains in January helped crop to recover.
- NDVI measurements indicate above trend yields expected (assuming normal rains to end of season).
- Early harvest reports (~17% harvested) indicate above-average yields in Mato Grosso (33 mmt).
- Above-average yields expected for Parana (20 mmt) and other Midwest states such as Goiás (~ 12 mmt), and Mato Grosso do Sul (~10 mmt).

# Brazil 2019/20 Cotton Summary

				Change from	Change from	5-year	
<b>Brazil Cottor</b>	Unit	2019/20	2018/19	Previous Month	Previous Year	Average	Record
Area	Mil Ha	1.65	1.64	2%	1%	1.14	2.75 (69/70)
Yield	Kg/Ha	1676	1726	* 0%	-3%	1622	1726 (18/19)
Production	Mil Bales	12.70	13.00	* 2%	-2%	8.5	13.0 (18/19)
* denotes record							

- Cotton area forecast is 1 percent greater than last year.
- <u>Mato Grosso (67% of total):</u> Second-season cotton planting started in January.
- <u>Bahia (22% of total):</u> Planting main season cotton delayed due to December drought but January rains allowed intended area to be planted.

#### **USA and Brazil Soybean Area**

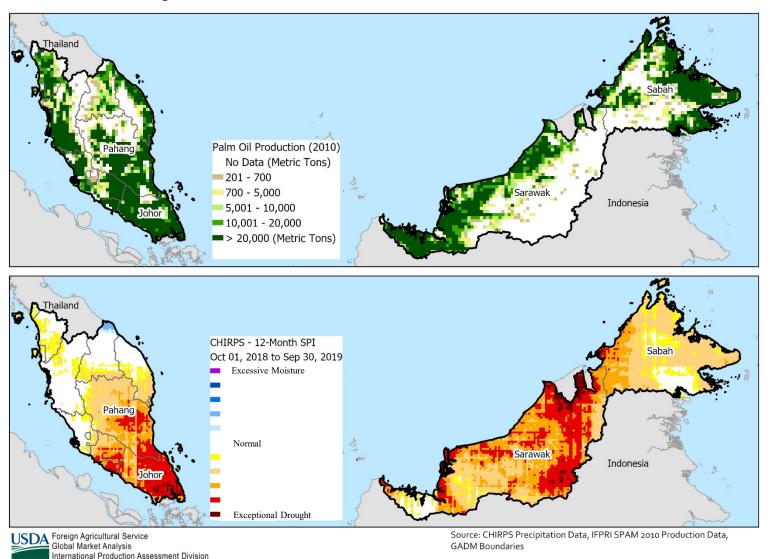


# World Soybean Supply and Use

	2018/2019	2019/2020	Change from	Change from
Item	estimate	forecast	January 10	2018/2019
		Milli	on Tons	-
Beginning stocks	99.0	111.2	0.9	12.2
Production	358.6	339.4	1.7	-19.2
<b>Total Supply</b>	457.7	450.6	2.6	-7.1
Crush	298.1	304.3	0.7	6.2
Total use	343.6	351.1	1.0	7.4
Trade	148.3	151.5	2.4	3.2
<b>Ending Stocks</b>	111.2	98.9	2.2	-12.4
Addendum				
Beginning stocks				
Argentina plus Brazil	56.5	59.3	0.2	2.8
Imports*				
China	82.5	88.0	3.0	5.5

<sup>\*</sup>From all sources.

# Malaysia Palm Oil Production



# Malaysia Palm Oil 2019/20

- Underperforming 2019 rainfall
- Diminished use of fertilizer (smallholders)
- Yield negatively impacted in main palm producing areas
- Below average monthly production palm oil

Malaysia (Palm Oil)	Jan.	Feb.
Area (MHa)	5.4	5.4
Yield (T/Ha)	3.83	3.70
Production (MMT)	20.5	19.8

### U.S. Cotton Supply and Demand

	2018/2019	2019/2020	Change from	Change from		
Item	estimate	forecast	January 10	2018/2019		
Planted area (million acres)	14.10	13.74		-0.36		
Harvested area (million acres)	10.21	11.80		1.60		
•						
Yield (pounds per acre)	864	817		-47		
		Millio	n bales			
Beginning stocks	4.20	4.85		0.65		
Production	18.37	20.10		1.74		
Imports	0.00	0.01		**		
Total supply	22.57	24.96		2.39		
Mill use	2.98	3.00		0.02		
Exports	14.76	16.50		1.74		
Total use	17.74	19.50		1.76		
Unaccounted	-0.02	0.06		0.08		
Ending stocks	4.85	5.40		0.55		
	_	Percent				
Stocks to use ratio	27.3	27.7		0.3		
		Cents per pound				
Average market price	70.30	62.00	-1.00	-8.30		

<sup>--</sup> No change. \*\*Rounds to zero.

#### **World Cotton Production**

	2018/2019		2019/2020		
	Change from			Change from	Change from
<b>Country or Region</b>	Estimate	January 10	Forecast	January 10	2018/2019
			- Million bales		
World	118.6	0.5	121.3	0.9	2.7
<b>United States</b>	18.4		20.1		1.7
Foreign	100.2	0.5	101.2	0.9	1.0
Argentina	1.1		1.0		-0.1
Brazil	13.0	0.5	12.7	0.2	-0.3
Turkey	3.7		3.4		-0.3
Australia	2.2		0.7		-1.5
China	27.8		27.3		-0.5
India	25.8		29.5		3.7
Pakistan	7.6		6.6	0.5	-1.0
Uzbekistan	3.3		3.5		0.2
Turkmenistan	0.9		1.0		0.1
African Franc Zone	5.4		5.9		0.4

<sup>--</sup> No change.

## World Cotton Supply and Demand

	2018/2019	2019/2020	Change from	Change from
Item	estimate	forecast	January 10	2018/2019
	-	Millio	on bales	-
Beginning stocks	80.8	80.0	0.5	-0.8
Production	118.6	121.3	0.9	2.7
Total Supply	199.4	201.3	1.3	1.9
Consumption	120.2	119.0	-1.2	-1.2
Trade	41.3	43.5	-0.3	2.2
Ending Stocks	80.0	82.1	2.5	2.1
Addendum				
China ending stocks	35.7	33.7	1.0	-1.9

# U.S. Rice Supply and Demand

	2018/2019	2019/2020	Change from	Change from		
Item	estimate	forecast	January 10	2018/2019		
Planted area (million acres)	2.95	2.54		-0.41		
Harvested area (million acres)	2.91	2.47		-0.44		
Yield (pounds per acre)	7,692	7,471		-221		
	Million cwt					
Beginning stocks	29.4	44.9		15.5		
Production	223.8	184.7		-39.2		
Imports	29.0	32.5	2.4	3.5		
Total supply	282.2	262.0	2.4	-20.2		
Domestic use	143.8	133.0		-10.8		
Exports	93.6	99.0	1.0	5.4		
Total use	237.3	232.0	1.0	-5.3		
Ending stocks	44.9	30.0	1.4	-14.8		
	Percent					
Stocks to use ratio	18.9	12.9	0.6	-6.0		
		Dollars per cwt				
Average market price	12.60	13.00	-0.20	0.40		

<sup>--</sup> No change.

# World Rice Supply and Use

ltem	2018/2019 estimate	2019/2020 forecast	Change from January 10	<b>Change from 2018/2019</b>
		Millic	on Tons	
Beginning stocks	162.6	175.0	0.6	12.4
Production	499.2	496.2	-0.4	-3.0
<b>Total Supply</b>	661.7	671.2	0.2	9.5
Total use	486.7	493.1	-0.9	6.4
Trade	43.7	44.8	-0.8	1.1
<b>Ending Stocks</b>	175.0	178.1	1.0	3.1

### Mexico Sugar Supply and Demand

••	2018/2019	2019/2020	Change from	Change from
Item	estimate	forecast	January 10	2018/2019
		Thousand	metric tons	
<b>Beginning Stocks</b>	1,395	1,169		-226
Production	6,426	5,672	-100	-754
Imports	85	89		4
<b>Total Supply</b>	7,905	6,929	-100	-976
<b>Domestic Use</b>	4,532	4,492		-41
Exports	2,204	1,502	-101	-702
Total use	6,737	5,994	-101	-743
<b>Ending stocks</b>	1,169	936	1	-233

<sup>--</sup> No change.

## U.S. Sugar Supply and Demand

lka	2018/2019	2019/2020	Change from	Change from
Item	estimate	forecast	January 10	2018/2019
		Thousand shor	t tons, raw value	
<b>Beginning Stocks</b>	2,008	1,783		-225
Production	8,999	8,158		-841
Beets	4,939	4,444		-495
Cane	4,060	3,713		-346
Imports	3,070	3,841	-40	771
TRQ	1,541	1,674	70	133
Re-export	438	350		-88
Mexico	1,000	1,717	-110	716
High-tier	91	100		9
Total Supply	14,077	13,781	-40	-296
Exports	35	35		**
Domestic deliveries	12,231	12,230		-1
Total use	12,294	12,265		-29
<b>Ending stocks</b>	1,783	1,516	-40	-266
	-	Pe	rcent	
Stocks/use ratio	14.5	12.4	-0.3	-2.1

<sup>--</sup> No change. \*\* Rounds to zero.

#### U.S. Meat Production and Prices

	2019	2020	Change from	Change from			
Item	estimate	forecast January 10		2019			
Production	-	Billion Pounds					
Beef	27.15	27.48	0.04	0.33			
Pork	27.64	28.89	0.24	1.25			
Broilers	43.88	45.78	0.38	1.90			
Turkey	5.82	5.89	-0.02	0.07			
<b>Total Meat</b>	105.23	108.79	0.63	3.56			
Prices	-	Dolla	rs per cwt				
Steers	116.78	116.75	-0.50	-0.03			
Hogs	47.95	48.75	-5.75	0.80			
		Cents per pound					
Broilers	88.6	87.0	0.8	-1.6			
Turkey	89.2	100.5	8.3	11.3			

#### U.S. Meat Trade

#### Million Pounds

	2019	2020	Change from	Change from	
Item	estimate	forecast	January 10	2019	
		E)	(ports		
Beef	3,022	3,300	-5	278	
Pork	6,321	7,375	275	1,054	
Broilers	7,109	7,425		316	
Turkey	639	660	-20	21	
Mature chickens	81	80		-1	
<b>Total Meat</b>	17,179	18,847	250	1,668	
		Imports			
Beef	3,057	2,880		-177	

<sup>--</sup> No change.

### U.S. Milk Supply and Demand

	2019	2020	Change from	Change from			
ltem	estimate	forecast	January 10	2019			
		Billion pounds					
Production	218.3	222.0	**	3.7			
Fat Basis							
Imports	7.0	6.3		-0.6			
<b>Commercial use</b>	215.1	217.9	-0.1	2.9			
Exports	9.1	9.4		0.2			
Skim-solid Basis							
Imports	5.8	5.5		-0.3			
<b>Commercial use</b>	181.8	182.7	-0.2	0.9			
Exports	41.6	43.6	0.3	2.1			

<sup>--</sup> No change. \*\* Rounds to zero.

## U.S. Dairy Product Prices

	2019	2020	Change from	Change from
ltem	estimate	forecast	January 10	2019
		<b>-</b> "	,	
Product prices		<i>Dollars</i>	per pound	
Cheese	1.76	1.79	-0.04	0.03
Butter	2.24	1.91	-0.05	-0.33
Nonfat dry milk	1.04	1.26	**	0.21
Dry whey	0.38	0.35	**	-0.03
Class prices	-	Dolla	rs per cwt	
Class III	16.96	16.95	-0.40	-0.01
Class IV	16.30	16.70	-0.20	0.40
All milk	18.60	18.85	-0.40	0.25

<sup>\*\*</sup> Rounds to zero.

## U.S. Production Summary

	2018/2019		2019/2020		
		<b>Change from</b>		<b>Change from</b>	Change from
Item	Estimate	January 10	Forecast	January 10	2018/2019
Crops and Products					
Wheat (million bushels)	1,885		1,920		35
Rice (million cwt)	223.8		184.7		-39.2
Corn (million bushels)	14,340		13,692		-649
Sorghum (million bushels)	365		341		-24
Barley (million bushels)	154		170		16
Oats (million bushels)	56		53		-3
Soybeans (million bushels)	4,428		3,558		-870
Soybean oil (million pounds)	24,195		24,290	-130	95
Soybean meal (thousand s.t.)	48,809		49,473	-25	664
Cotton (million bales)	18.37		20.10		1.74
Sugar (thousand s.t., raw value)	8,999		8,158		-841
Milk (billion pounds)	218.3	**	222.0	**	3.7
Meat (billion pounds)					
Beef	27.15	**	27.48	0.04	0.33
Pork	27.64	**	28.89	0.24	1.25
Broilers	43.88	0.04	45.78	0.38	1.90
Turkey	5.82	-0.03	5.89	-0.02	0.07
Total Meat	105.23	0.01	108.79	0.63	3.56

<sup>--</sup> No change. \*\* Rounds to zero.

### U.S. Domestic Consumption Summary

	2018/2019		2019/2020		
		<b>Change from</b>		<b>Change from</b>	<b>Change from</b>
Item	Estimate	January 10	Forecast	January 10	2018/2019
Crops and Products					
Wheat (million bushels)	1,103		1,165		62
Rice (million cwt)	143.8		133.0		-10.8
Corn (million bushels)	12,223		12,345	50	122
Sorghum (million bushels)	244		245	5	1
Barley (million bushels)	162		171		9
Oats (million bushels)	144		148		4
Soybeans (million bushels)	2,224		2,233		9
Soybean oil (million pounds)	22,872		23,100	-400	228
Soybean meal (thousand s.t.)	36,092		36,800		708
Cotton (million bales)	2.98		3.00		0.02
Sugar (thousand s.t., raw value)	12,231		12,230		-1
Milk (billion pounds, fat basis)	215.1	**	217.9	-0.1	2.9
Meat (Billion pounds)					
Beef	27.27	**	27.13	0.05	-0.14
Pork	22.19	-0.14	22.33	-0.08	0.14
Broilers	36.35	0.05	38.00	0.38	1.65
Turkey	5.26	-0.01	5.23	**	-0.03
Total Meat	92.02	-0.08	93.63	0.36	1.61

<sup>--</sup> No change. \*\* Rounds to zero.

## U.S. Export Summary

	2018/2019		2019/2020			
		<b>Change from</b>		<b>Change from</b>	Change from	
Item	Estimate	January 10	Forecast	January 10	2018/2019	
Crops and Products						
Wheat (million bushels)	936		1,000	25	64	
Rice (million cwt)	93.6		99.0	1.0	5.4	
Corn (million bushels)	2,065		1,725	-50	-340	
Sorghum (million bushels)	93		120		27	
Soybeans (million bushels)	1,748		1,825	50	77	
Soybean oil (million pounds)	1,941		1,900	200	-41	
Soybean meal (thousand s.t.)	13,554		13,200		-354	
Cotton (million bales)	14.76		16.50		1.74	
Meat (Million lbs)						
Beef	3,022	-2	3,300	-5	278	
Pork	6,321	25	7,375	275	1,054	
Broilers	7,109	5	7,425		316	
Turkey	639	-7	660	-20	21	
, Mature Chickens	81		80		-1	
Total Meat	17,179	22	18,847	250	1,668	

<sup>--</sup> No change.

## **Price Summary**

	2018	2018/2019		2019/2020		
		Change from		Change from	Change from	
Item	Estimate	January 10	Forecast	January 10	2018/2019	
Crops and products						
Wheat (\$/bu)	5.16		4.55		-0.61	
		0.20		0.20		
Rice (\$/cwt)	12.60	0.30	13.00	-0.20	0.40	
Corn (\$/bu)	3.61		3.85		0.24	
Soybeans (\$/bu)	8.48		8.75	-0.25	0.27	
Soybean oil (¢/lb)	28.26		33.50	-0.50	5.24	
Soybean meal (\$/s.t.)	308		305		-3	
Cotton (¢/lb)	70.30		62.00	-1.00	-8.30	
Livestock						
Steers (\$/cwt)	116.78		116.75	-0.50	-0.03	
Hogs (\$/cwt)	47.95		48.75	-5.75	0.80	
Broilers (¢/lb)	88.6		87.0	0.8	-1.6	
Turkeys (¢/lb)	89.2		100.5	8.3	11.3	
Dairy products						
Cheese (\$/lb)	1.76		1.79	-0.04	0.03	
Butter (\$/lb)	2.24		1.91	-0.05	-0.33	
Nonfat dry milk (\$/lb)	1.04		1.26	**	0.21	
Dry whey (\$/lb)	0.38		0.35	**	-0.03	
Milk classes						
Class III (\$/cwt)	16.96		16.95	-0.40	-0.01	
Class IV (\$/cwt)	16.30		16.70	-0.20	0.40	
All milk (\$/cwt)	18.60		18.85	-0.40	0.25	

<sup>--</sup> No change. \*\* Rounds to zero.