

Grain Processing Corporation



Prepared By
Supply Chain
Commodity Department

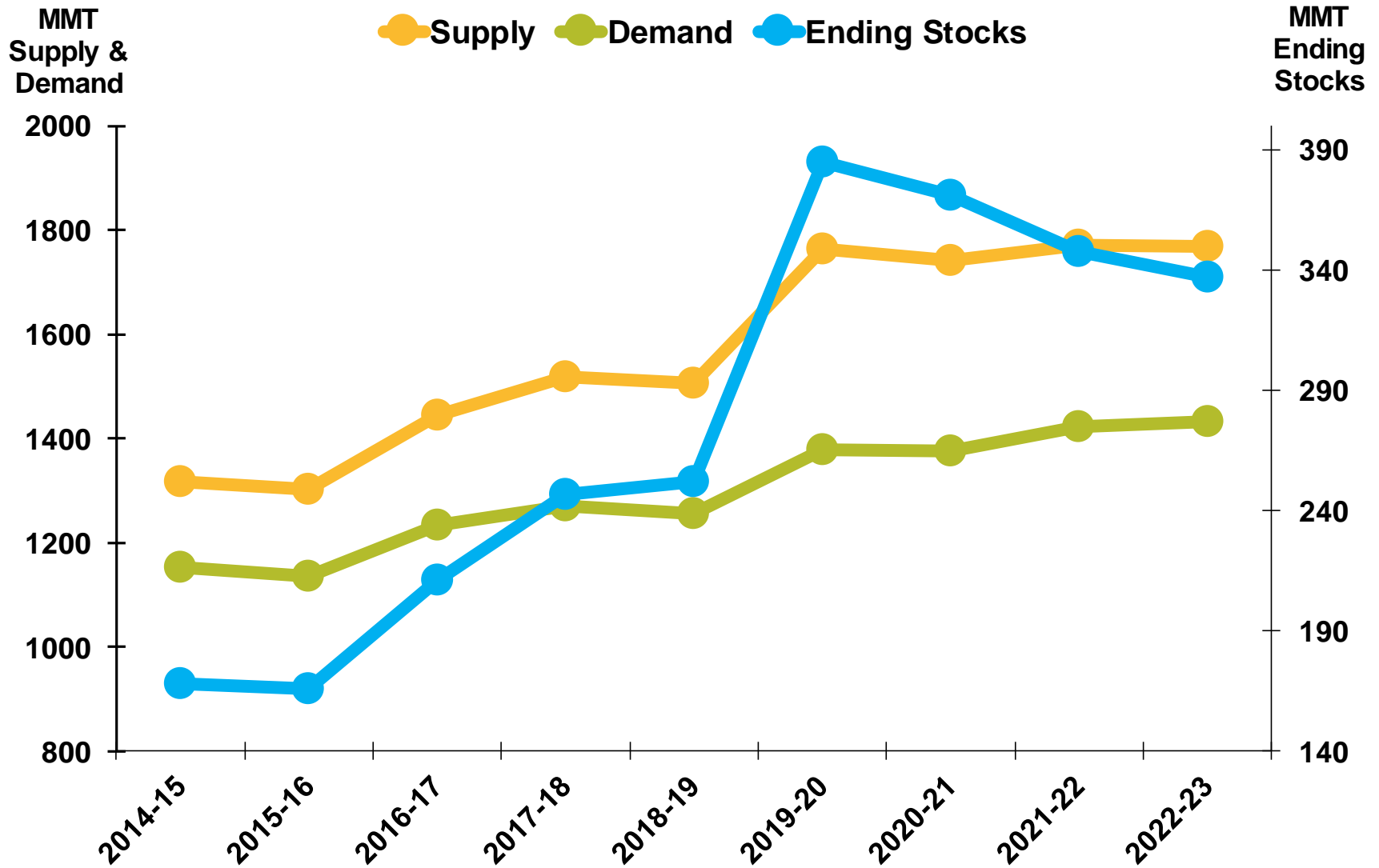
Corn Market Perspective

January 12, 2023

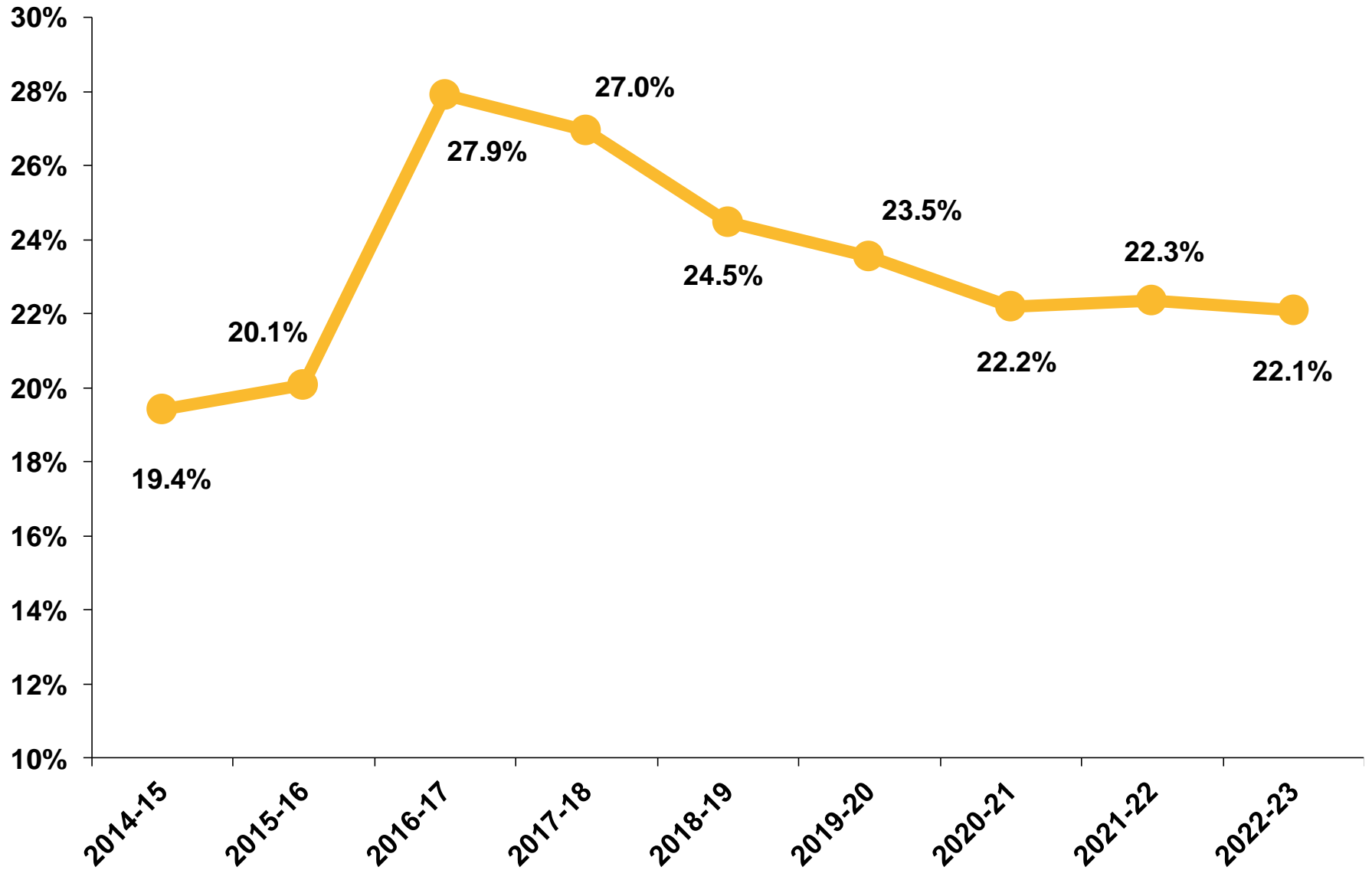
World S&D Overview

WORLD COARSE GRAIN SUPPLY & DEMAND

Coarse Grains include corn, sorghum, barley, oats & rye.



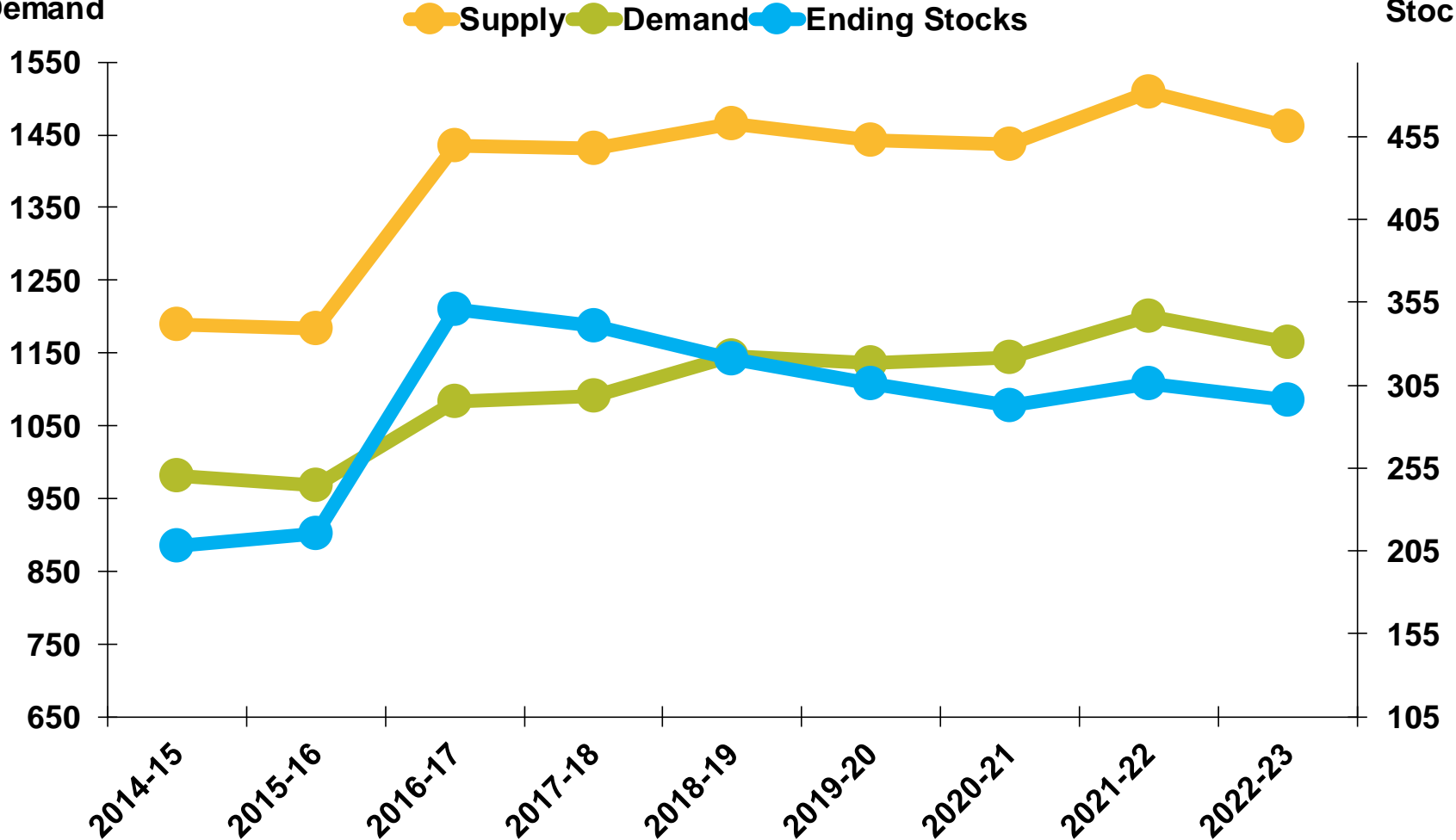
WORLD COARSE GRAIN



WORLD CORN SUPPLY & DEMAND

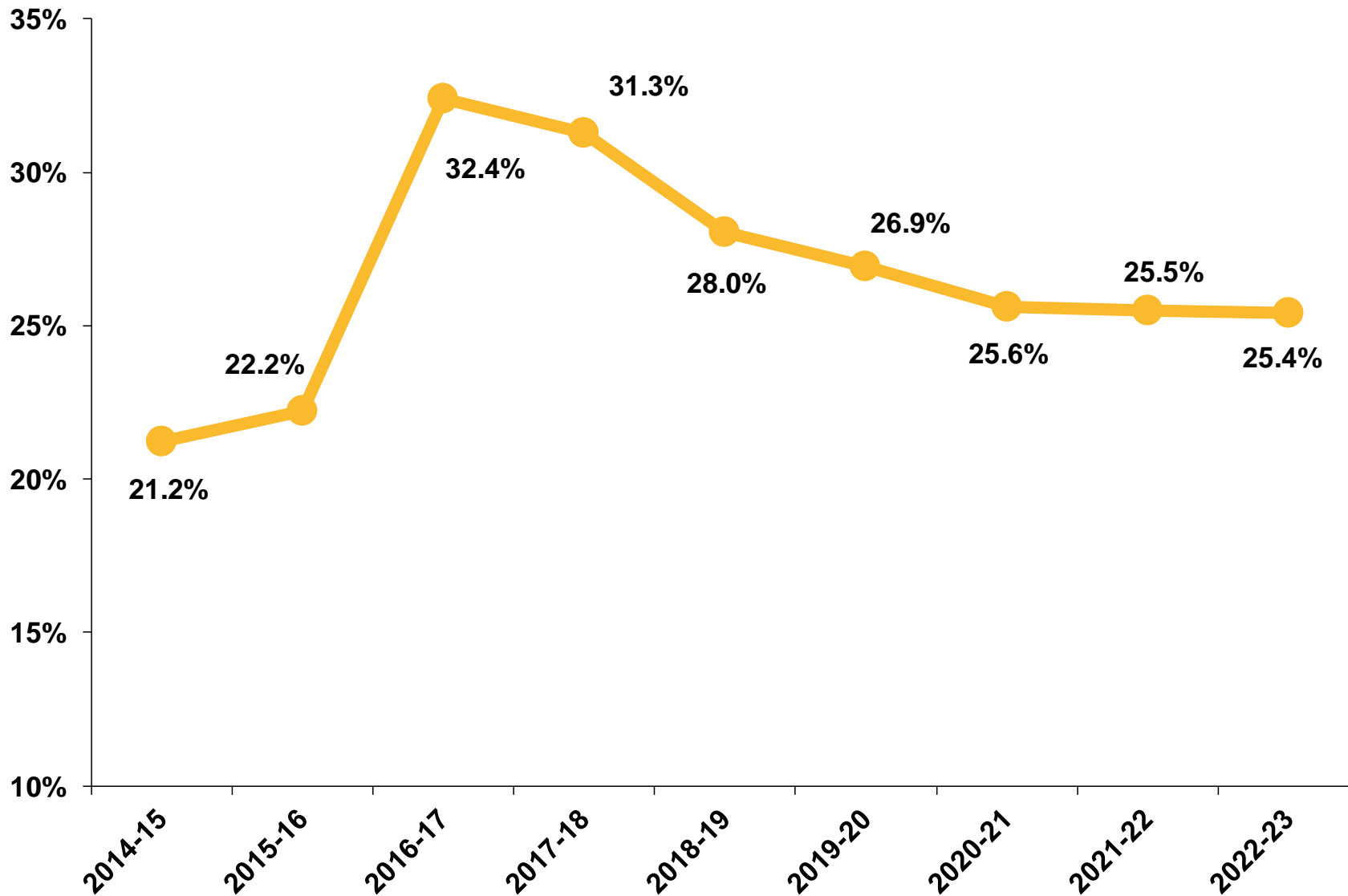
MMT
Supply &
Demand

MMT
Ending
Stocks

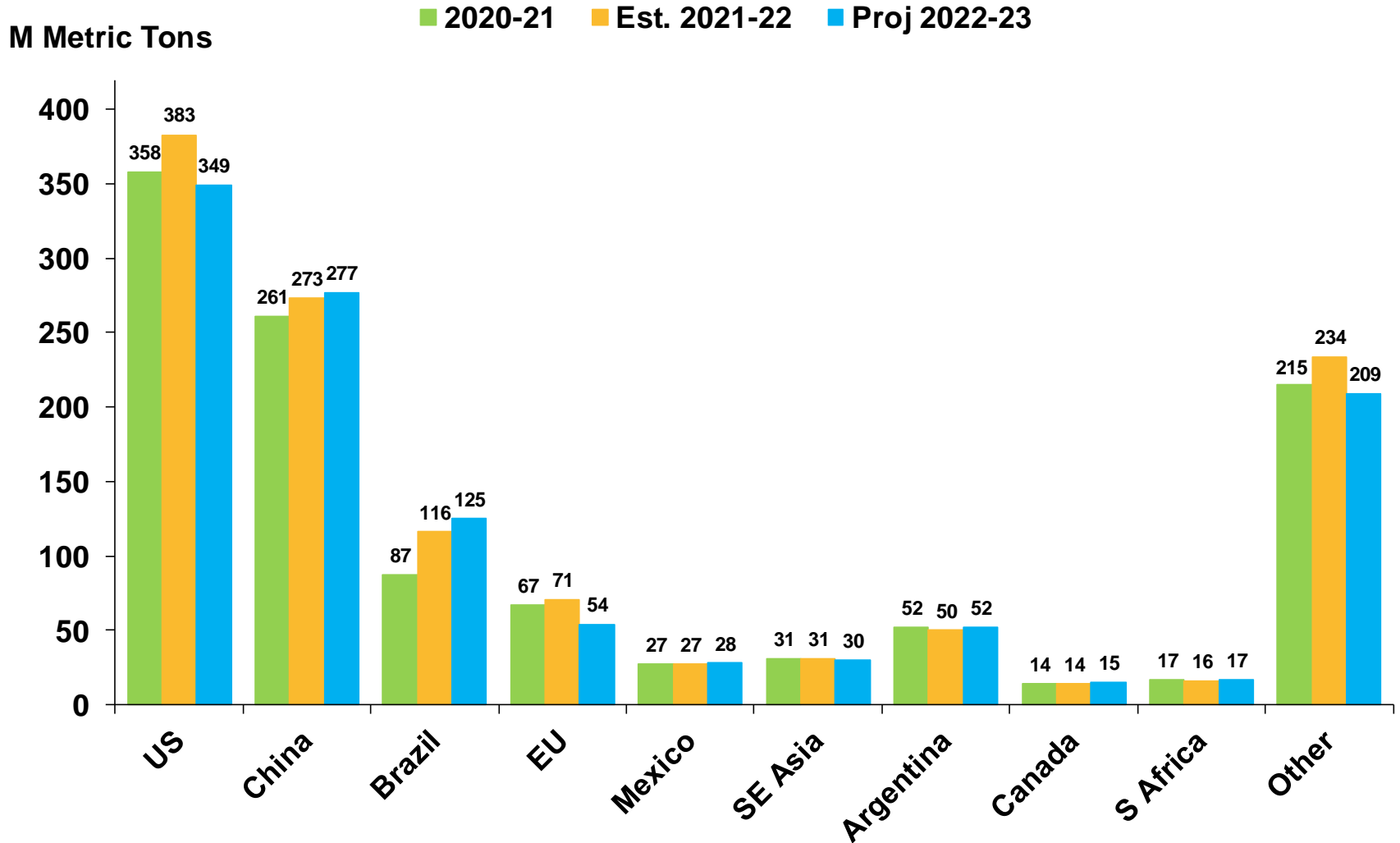


WORLD CORN

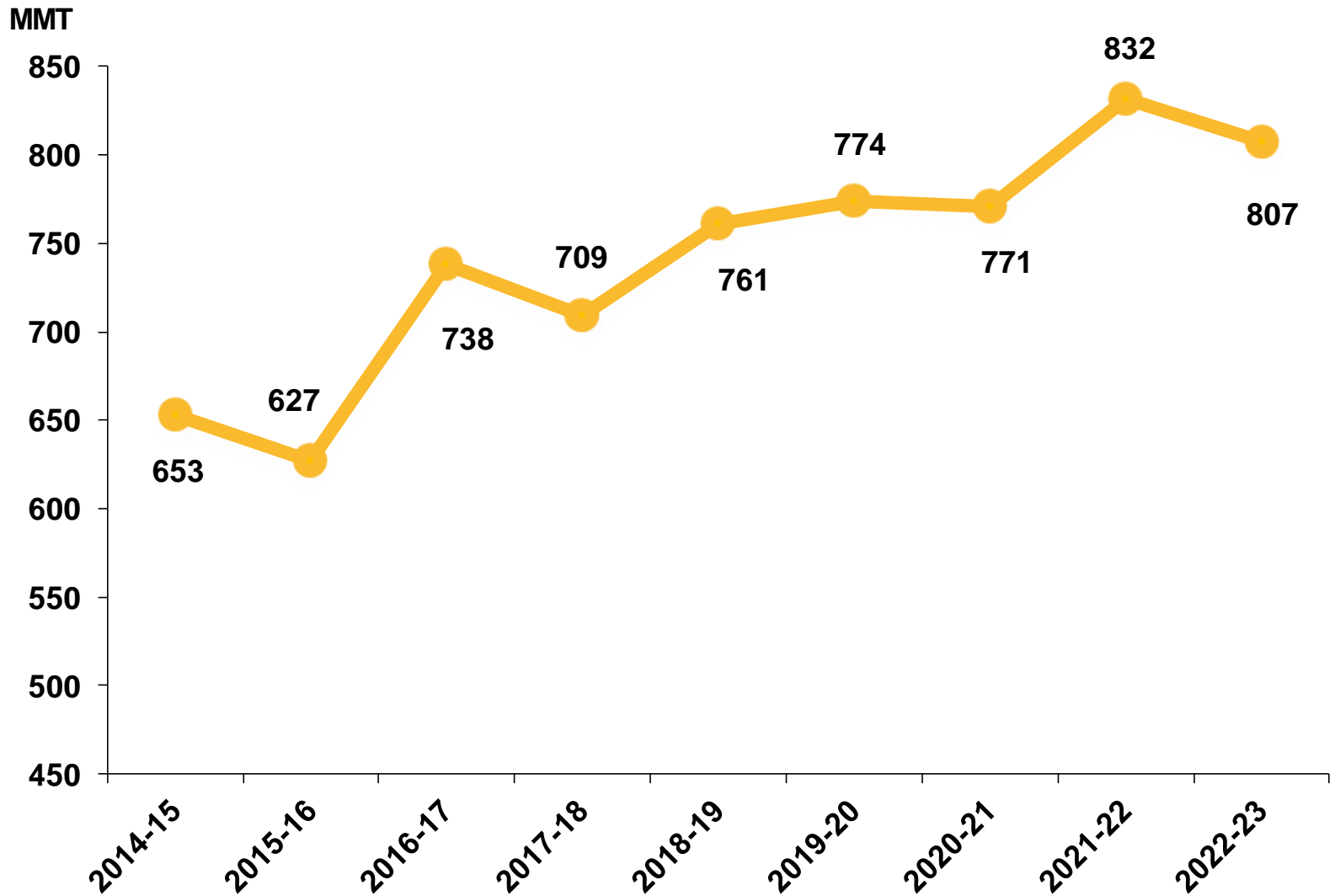
% ENDING STOCKS / DEMAND



WORLD CORN PRODUCTION

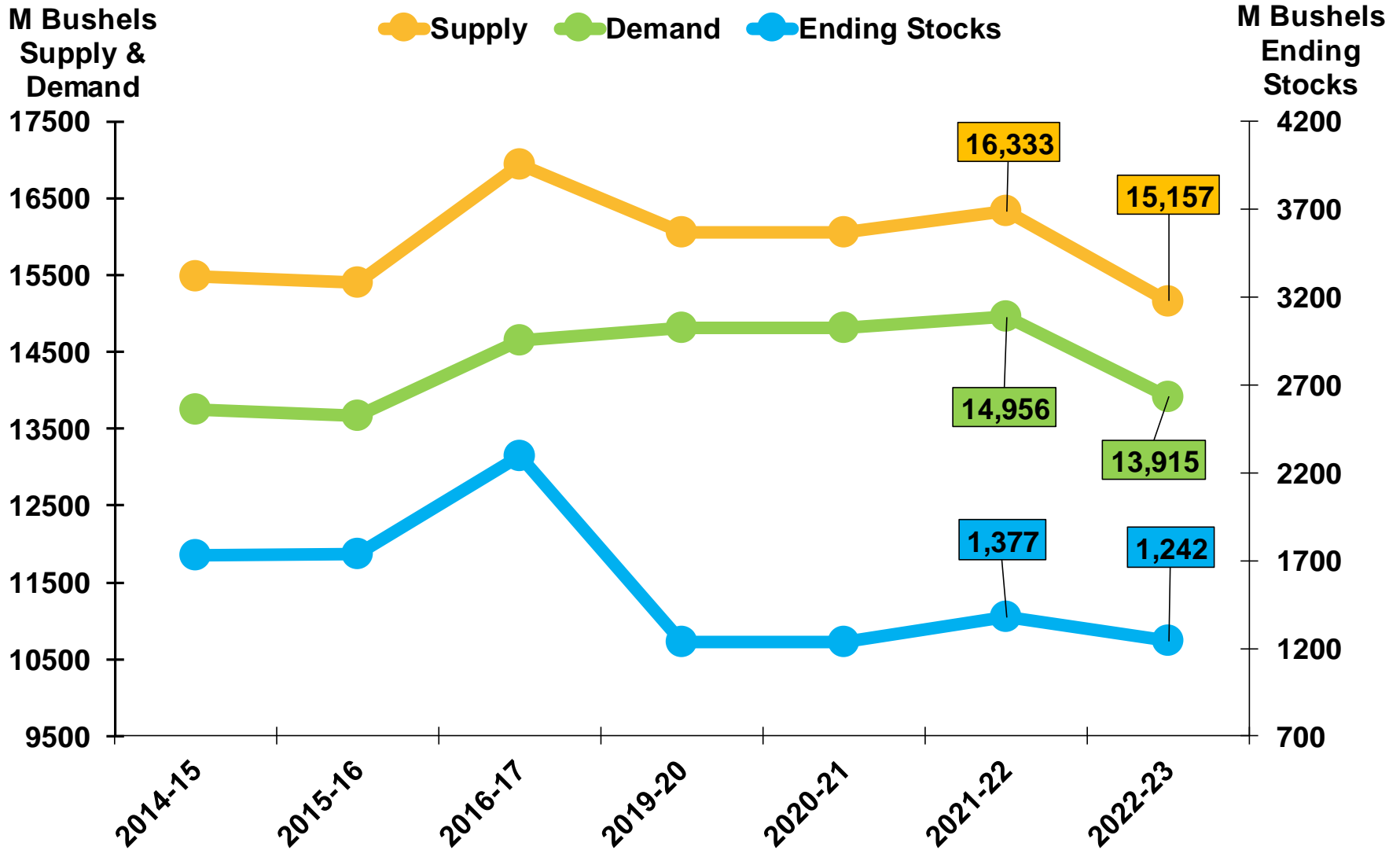


WORLD CORN PRODUCTION MINUS U.S.



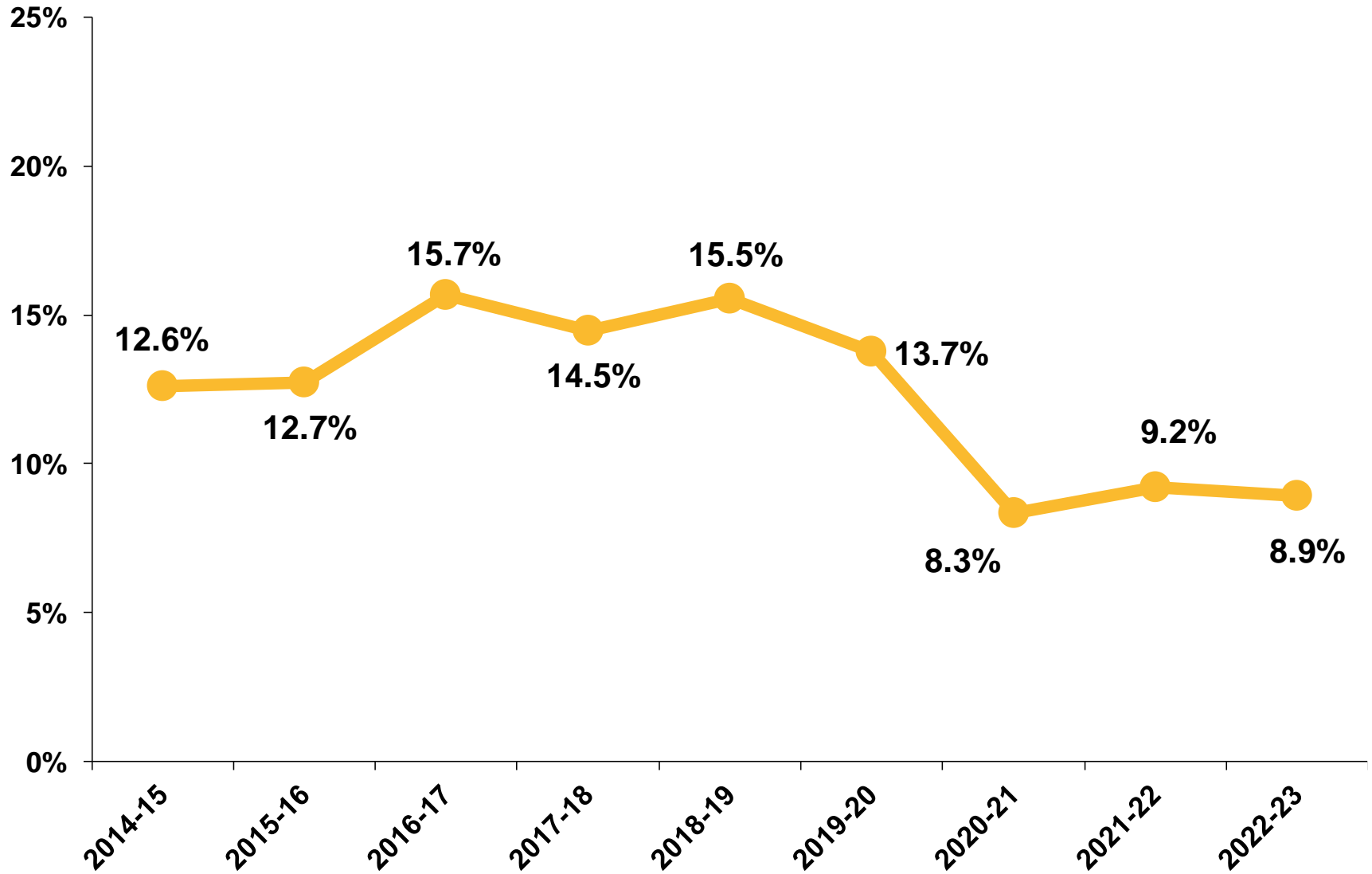
U.S. S&D Overview

U.S. CORN SUPPLY AND DEMAND



U.S. CORN

% ENDING STOCKS / TOTAL DEMAND



**U.S. - Supply
Old & New Crop
2021-22 & 2022-23**

U.S. CORN PRODUCTION

USDA January, 2023

	<u>2020-21</u>	<u>Est. 2021-22</u>	<u>Proj. 2022-23</u>
Planted (mil. acres)	90.7	93.3	88.6
Harvested (mil. acres)	82.3	85.3	79.2
Yield (bus./acre)	171.4	176.7	173.3
Production (mil. bu.)	14,111	15,074	13,730

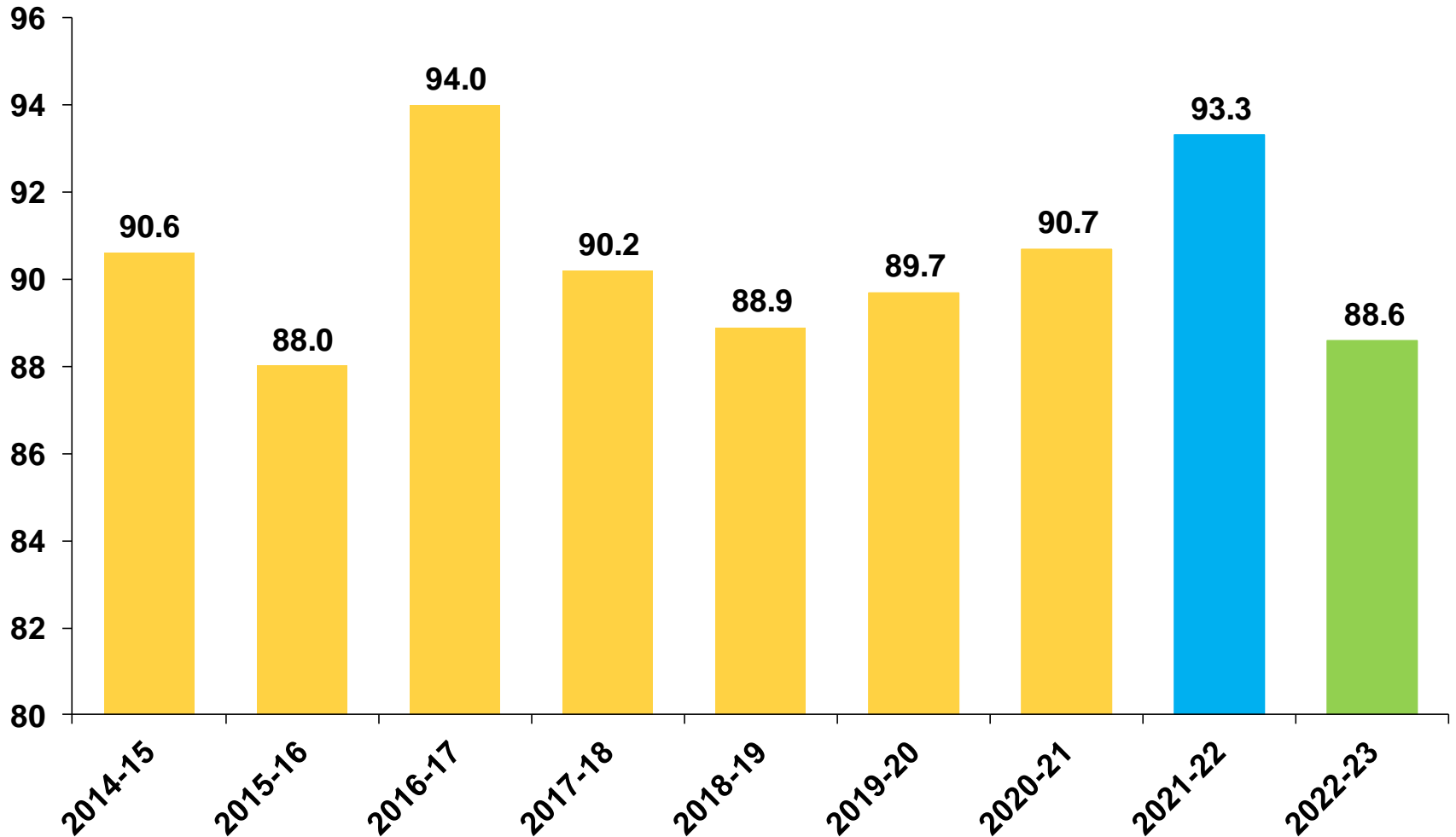
U.S. CORN SUPPLY / DEMAND

(million bushels)

	<u>2020-21</u>	<u>Est. 2021-22</u>	<u>Proj. 2022-23</u>
Beginning Stocks	1,919	1,235	1,377
Production	14,111	15,074	13,730
Imports	24	24	50
TOTAL SUPPLY	16,055	16,333	15,157
Feed	5,607	5,718	5,275
Food/Ind/Seed	6,467	6,766	6,715
Ethanol	5,028	5,326	5,275
Exports	2,747	2,471	1,925
TOTAL DEMAND	14,821	14,956	13,915
ENDING STOCKS	1,235	1,377	1,242
ENDING STOCKS / TOTAL DEMAND	8.3%	9.2%	8.9%
Average Farm Price	\$4.53	\$6.00	\$6.70

U.S. CORN PLANTED ACRES

M Acres



USDA CORN PLANTING INTENTIONS

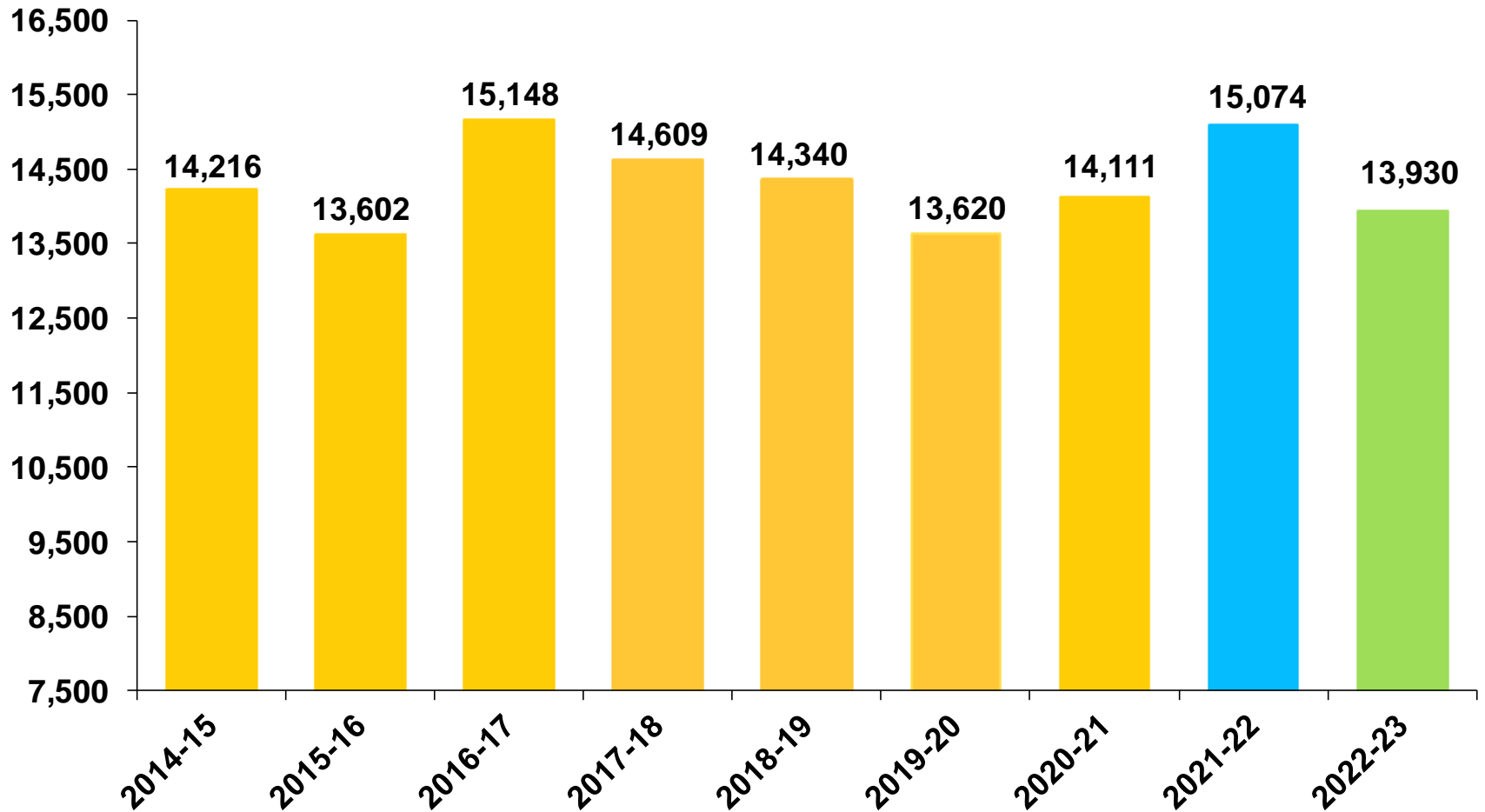
March 31, 2020

1,000 Acres

	<u>2019</u>	<u>2020</u>	<u>Change</u>	<u>%</u> <u>Change</u>
	Final	Prospective		
Iowa	13,500	14,100	600	4%
Illinois	10,500	11,300	800	8%
Indiana	5,000	5,800	800	16%
Ohio	2,800	3,700	900	32%
Minnesota	7,800	8,400	600	8%
Nebraska	10,100	10,500	400	4%
Total	49,700	53,800	4,100	8%
Kansas	6,400	6,300	-100	-2%
Missouri	3,200	3,600	400	13%
North Dakota	3,500	3,200	-300	-9%
South Dakota	4,350	6,000	1,650	38%
Total	17,450	19,100	1,650	9%
Total U.S.	89,700	96,990	7,290	8%

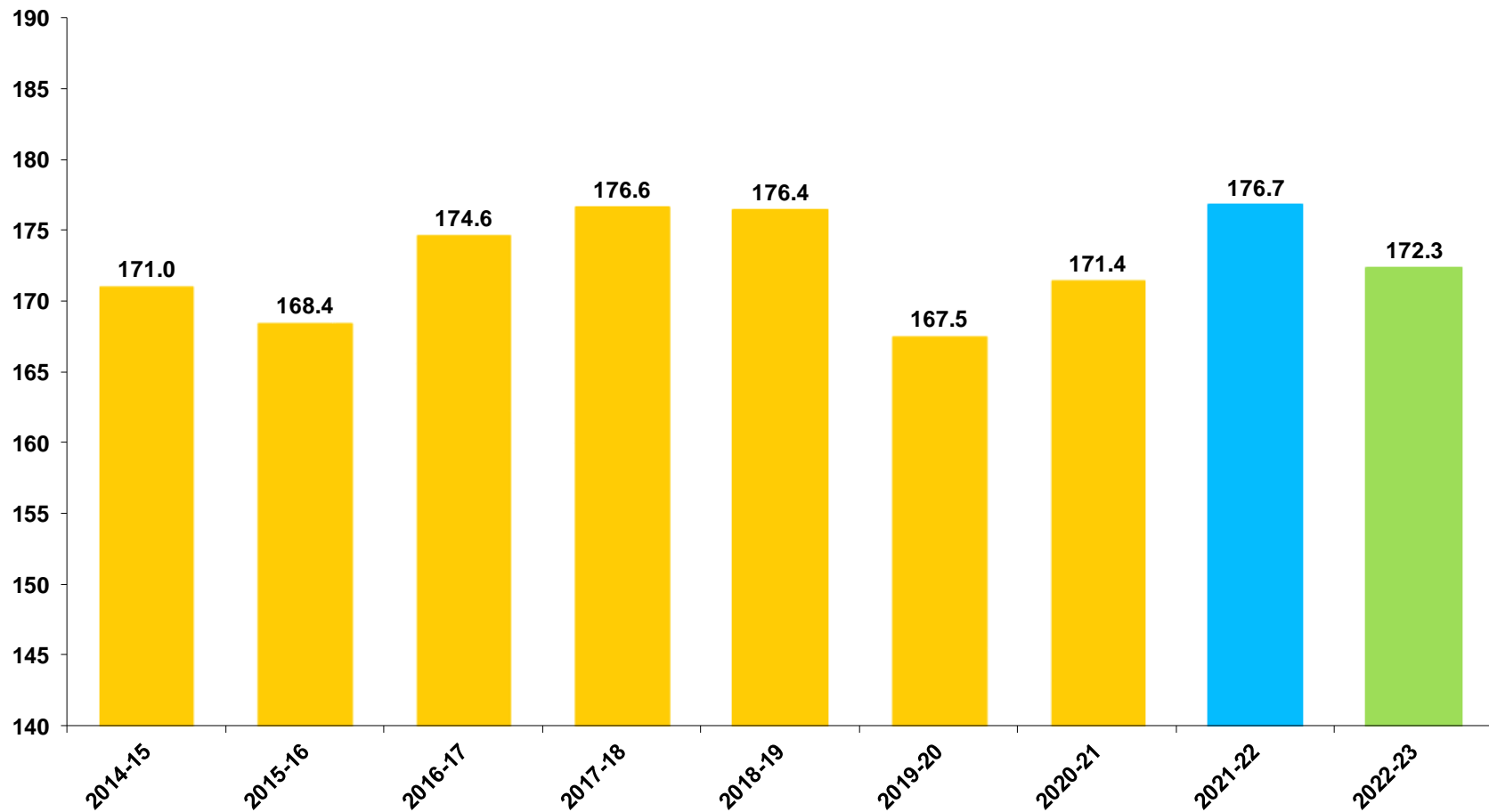
U.S. CORN PRODUCTION

M Bushels



U.S. CORN YIELD

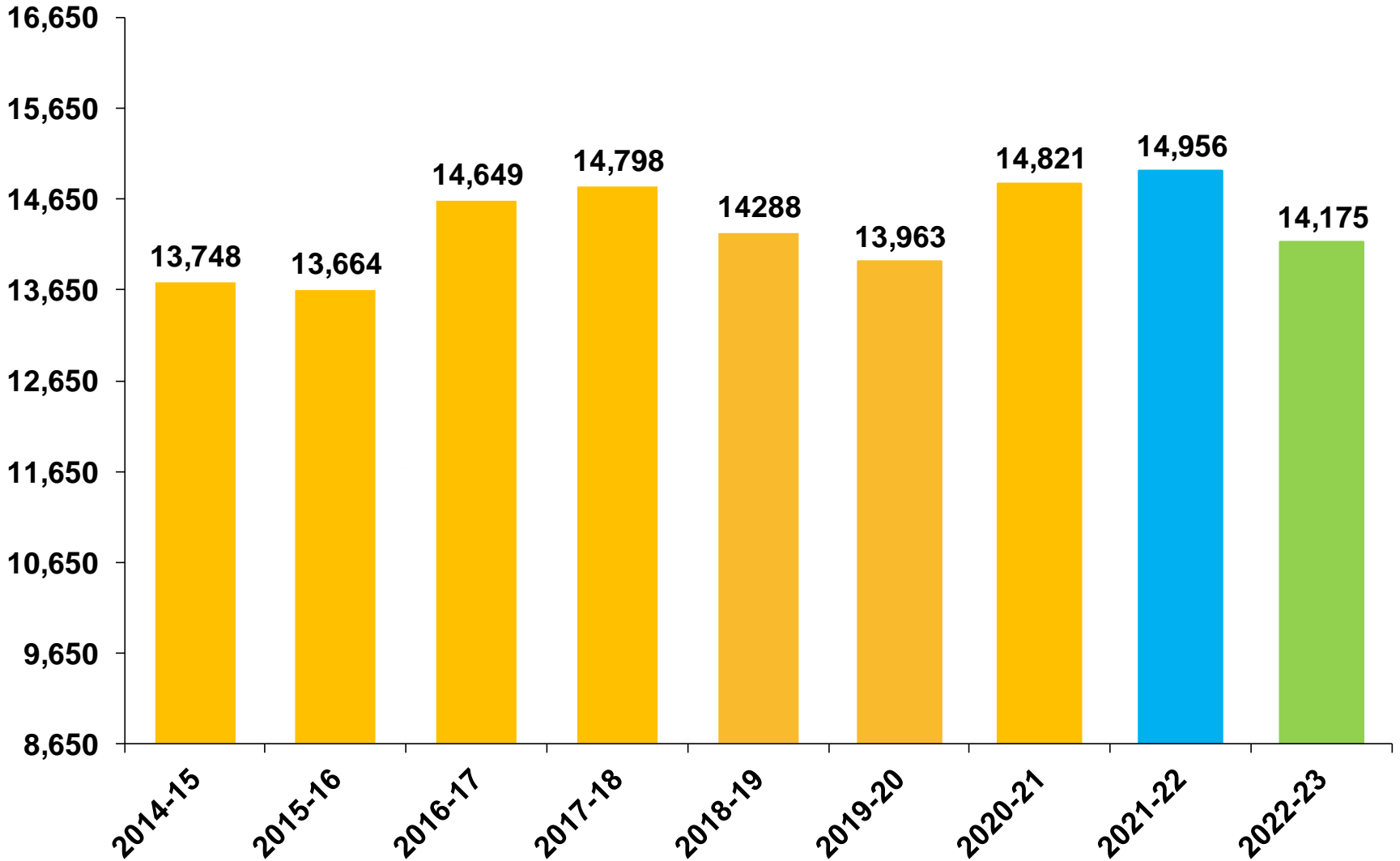
Bu./Acre



**U.S. - Demand
Old & New Crop
2021-22 & 2022-23**

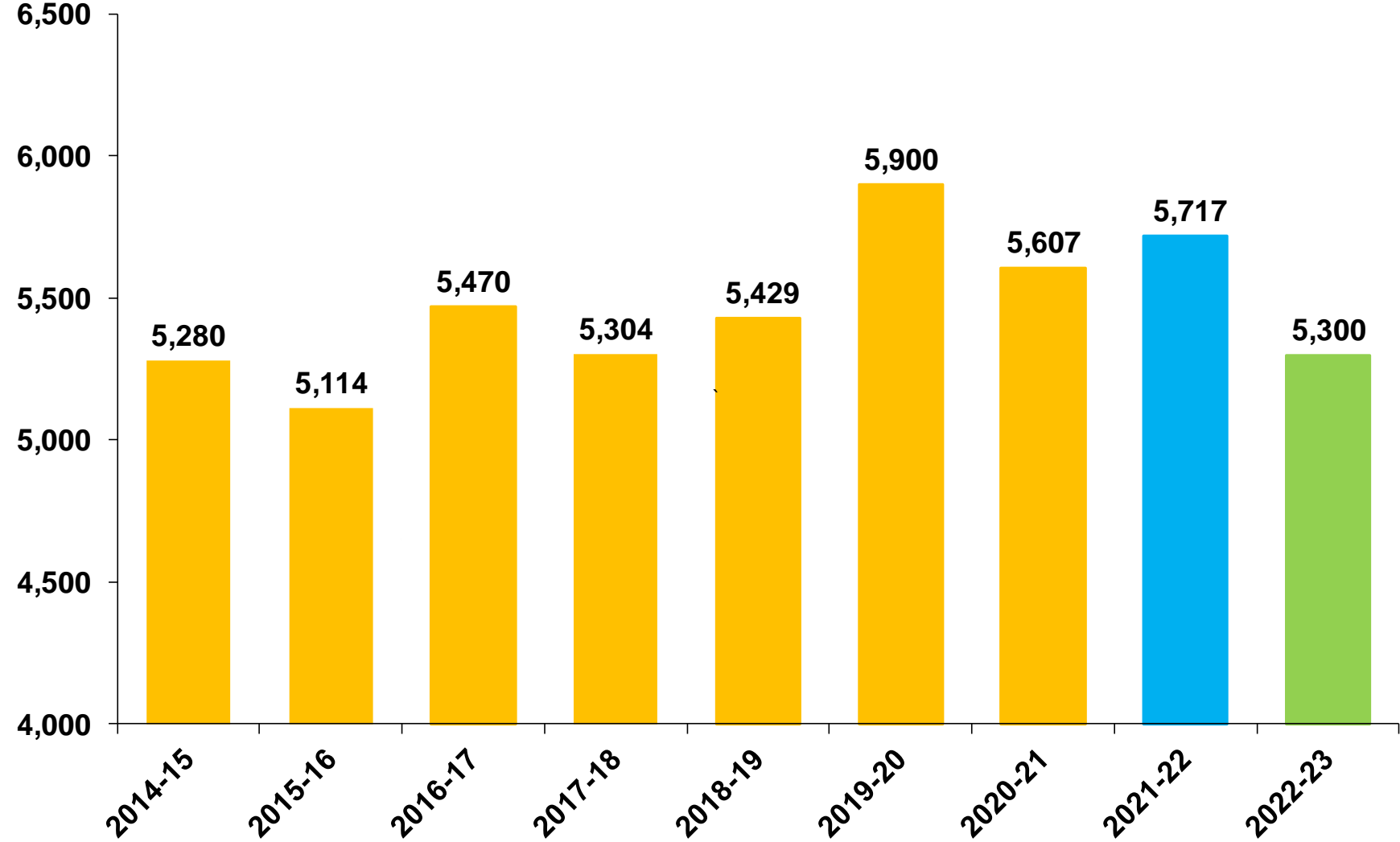
U.S TOTAL DEMAND

M Bushels



U.S. FEED DEMAND

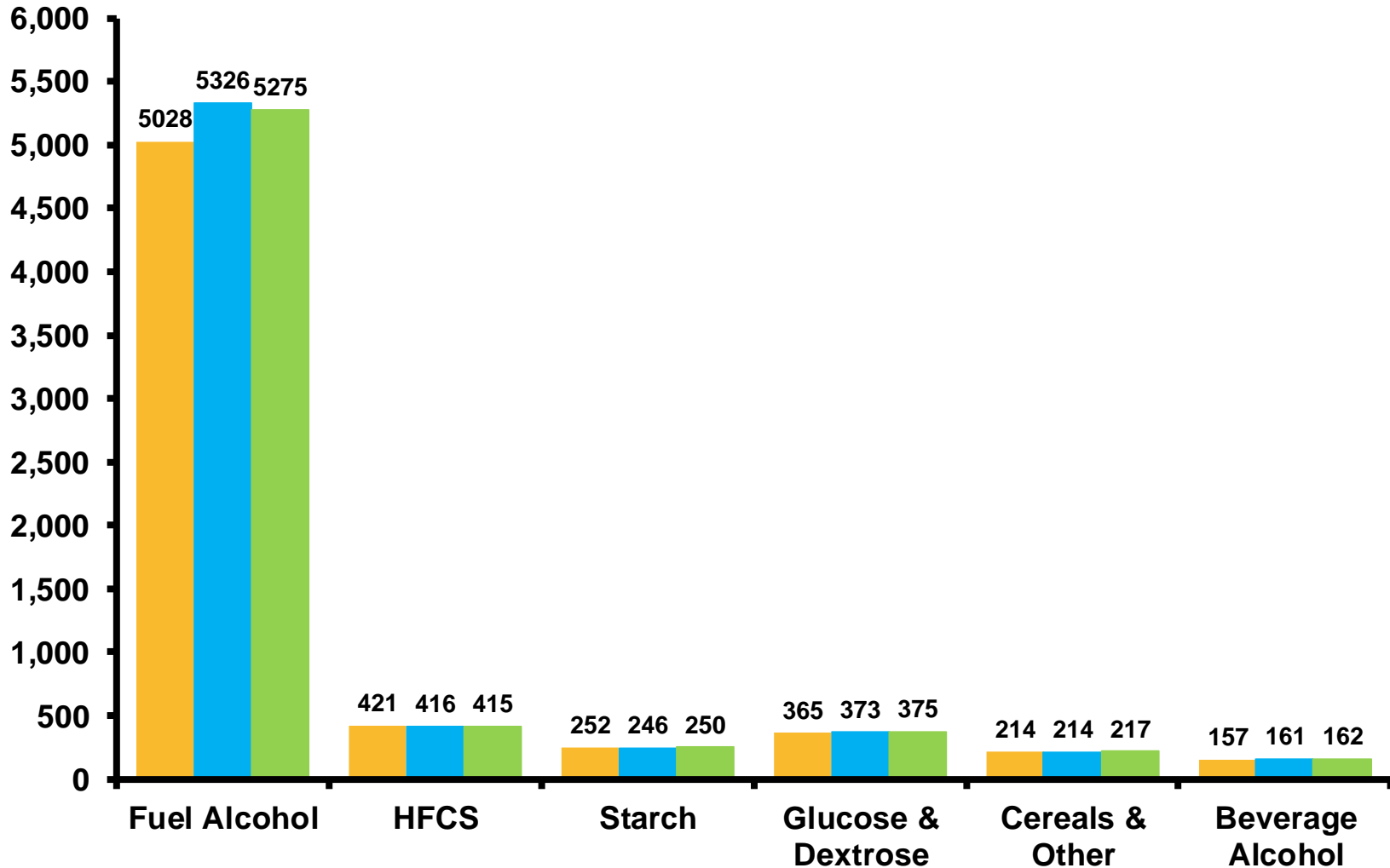
M Bushels



U.S. INDUSTRIAL DEMAND

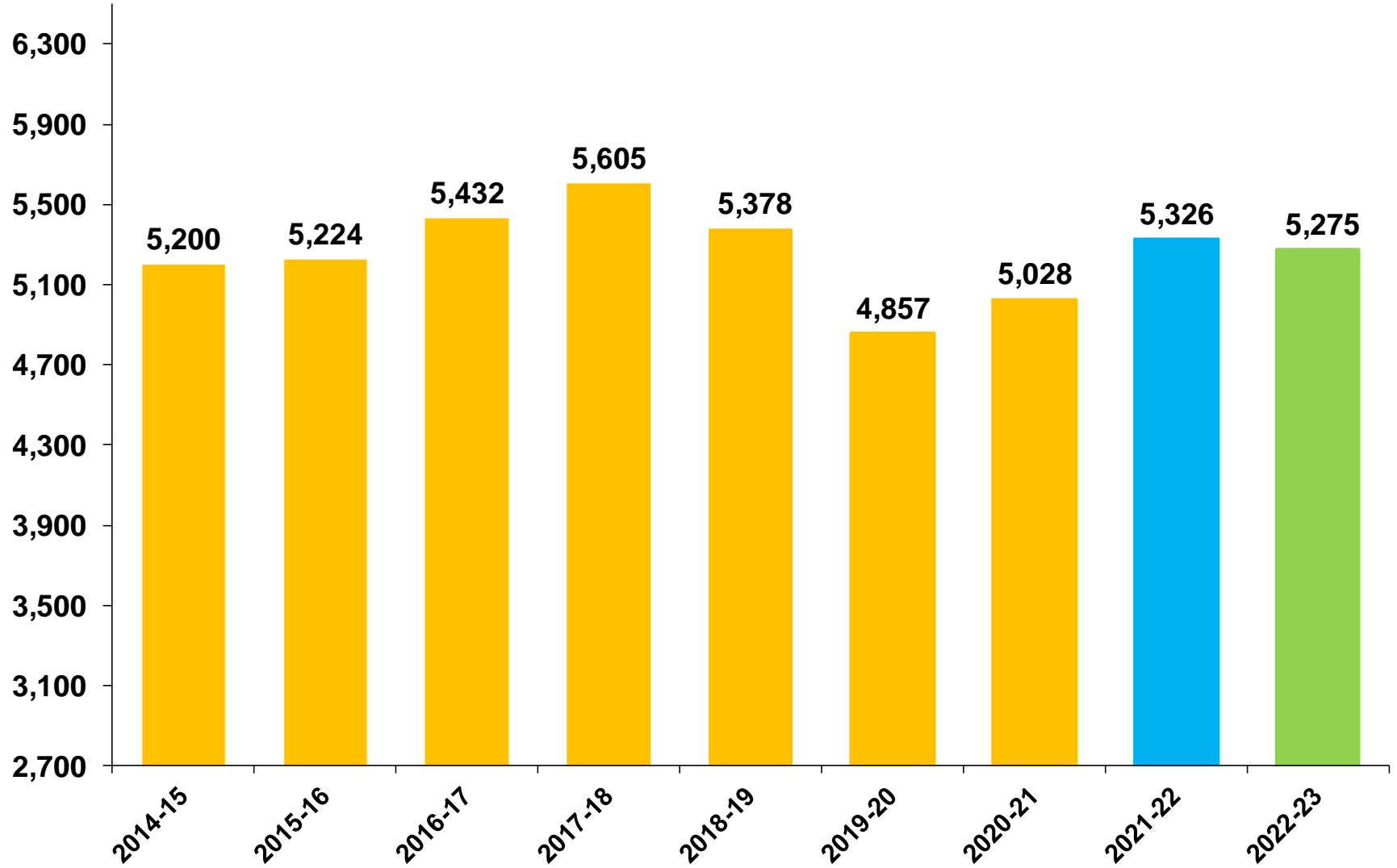
M Bushels

2020-21 2021-22 2022-23



U.S. ETHANOL DEMAND

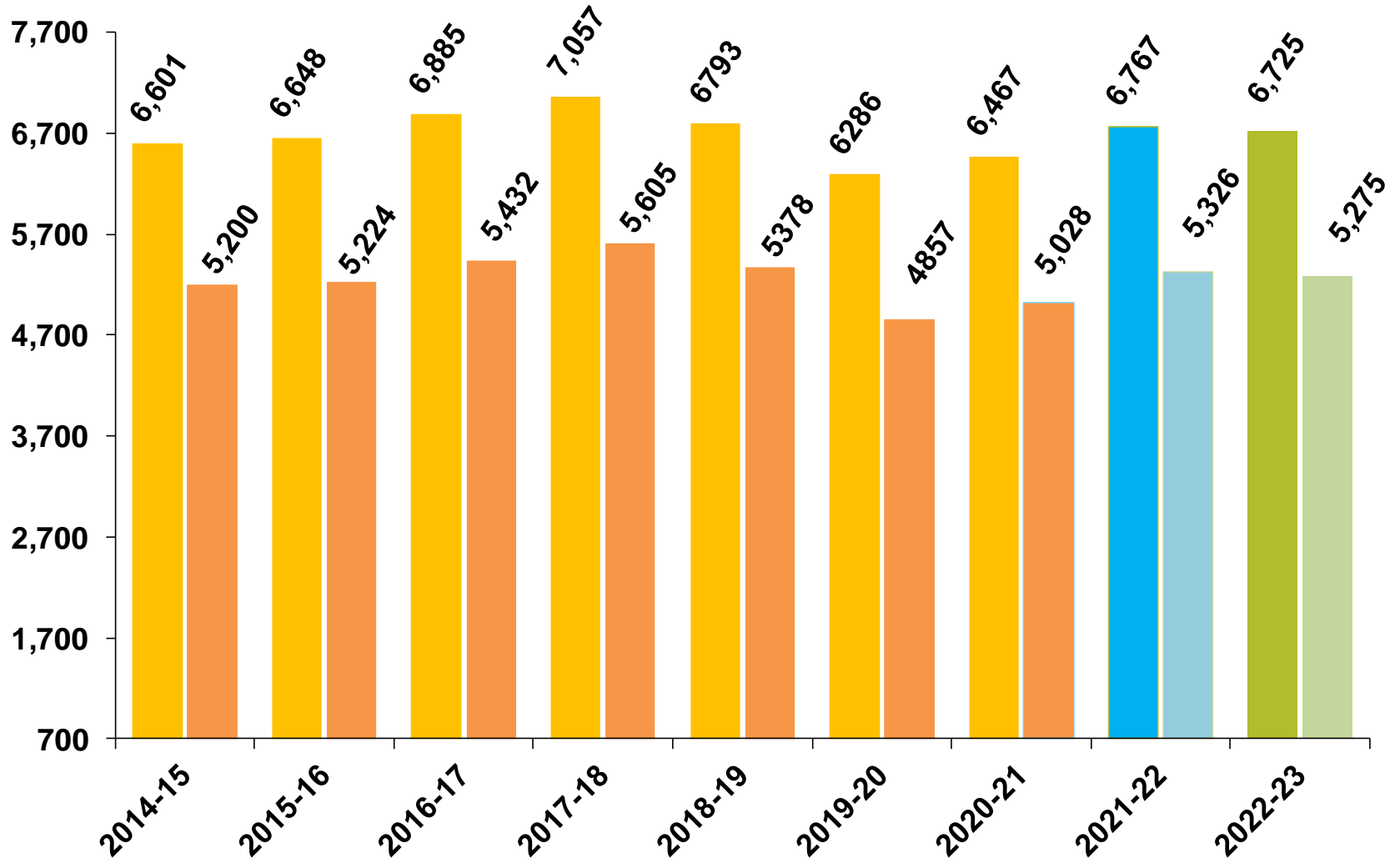
M Bushels



INCREASE IN FOOD SEED & INDUSTRIAL

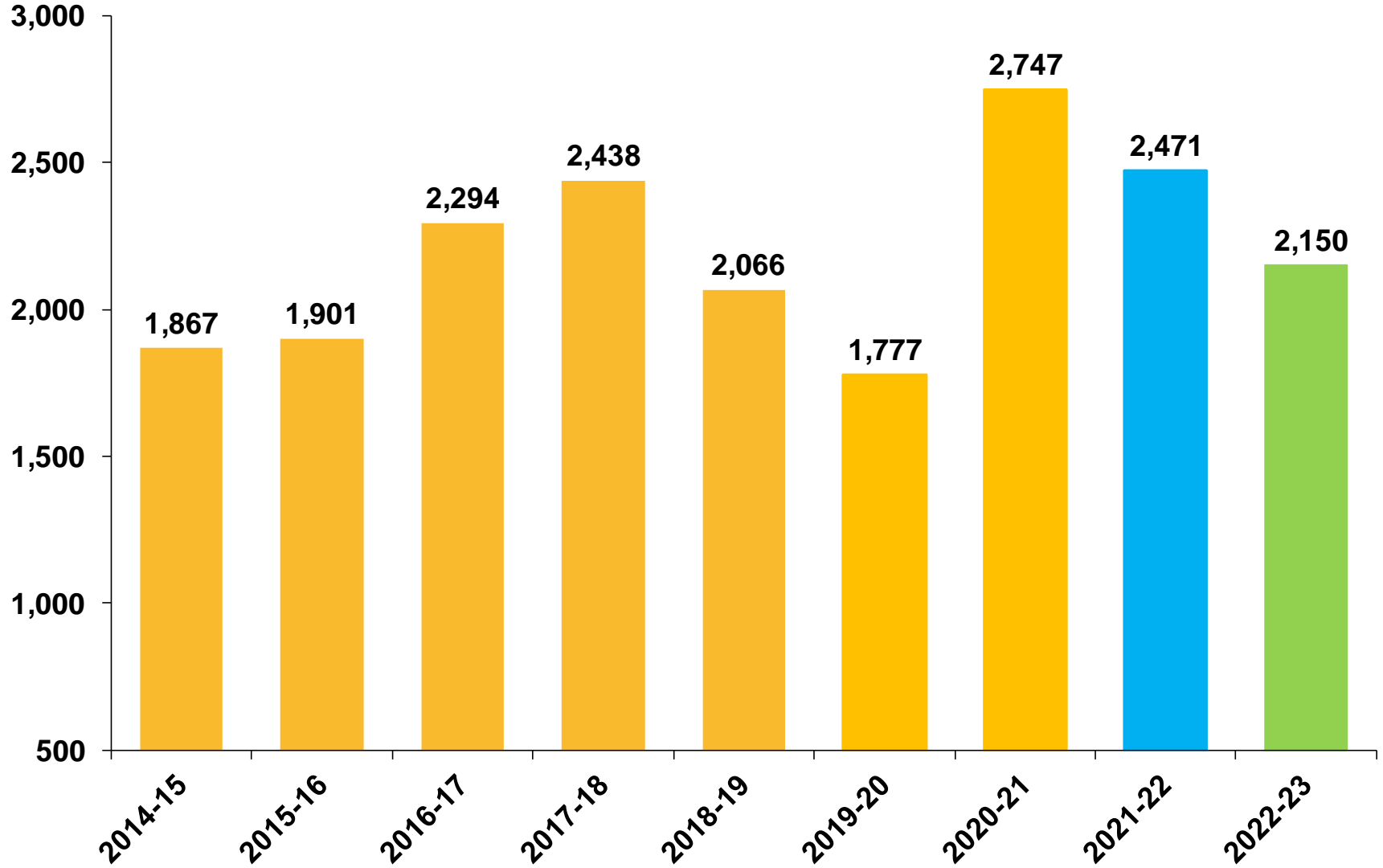
M Bushels

Industrial Ethanol



U.S. EXPORT DEMAND

M Bushels



U.S. CORN PRODUCTION

	USDA November, 2022		2022-23 Yield Scenarios			
	<u>2020-21</u>	<u>2021-22</u>			<u>2022-23</u>	
Planted (mil. acres)	90.7	93.3	88.6	88.6	88.6	88.6
Harvested (mil. acres)	82.3	85.3	79.2	79.2	79.2	79.2
Yield (bus./acre)	171.4	176.7	171.8	172.0	172.3	172.5
Production (mil. bu.)	14,111	15,074	13,607	13,622	13,730	13,662

U.S. CORN SUPPLY / DEMAND

(million bushels)

	<u>2020-21</u>	<u>2021-22</u>				
Beginning Stocks	1,919	1,235	1,377	1,377	1,377	1,377
Production	14,111	15,074	13,607	13,622	13,730	13,662
Imports	24	24	50	50	50	50
TOTAL SUPPLY	16,055	16,333	15,034	15,049	15,157	15,089
Feed	5,607	5,718	5,275	5,275	5,275	5,275
Food/Ind/Seed	6,467	6,766	6,715	6,715	6,715	6,715
Ethanol	(5,028)	(5,326)	(5,275)	(5,275)	(5,275)	(5,275)
Exports	<u>2,747</u>	<u>2,471</u>	<u>1,925</u>	<u>1,925</u>	<u>1,925</u>	<u>1,925</u>
TOTAL DEMAND	14,821	14,956	13,915	13,915	13,915	13,915
ENDING STOCKS	1,235	1,377	1,119	1,134	1,242	1,174
Stocks/Usage	8.3%	9.2%	8.0%	8.2%	8.9%	8.4%

Daily March 2022 Corn Futures



Source: Marketview

In Summary

- **U.S. Corn Yield for 2022-23 was increased 1.0 bushel to 173.3.**
- **Lower supply more than offsetting lower demand resulted in ending stocks being reduced by 15 million bushels.**
- **The average farm price of corn was unchanged at \$6.70.**
- **Global corn ending stocks were reduced 2.0 million to 296.4 million tons.**

Thank You

