Grain Processing Corporation

GPC™

Prepared By

Supply Chain

Commodity Department

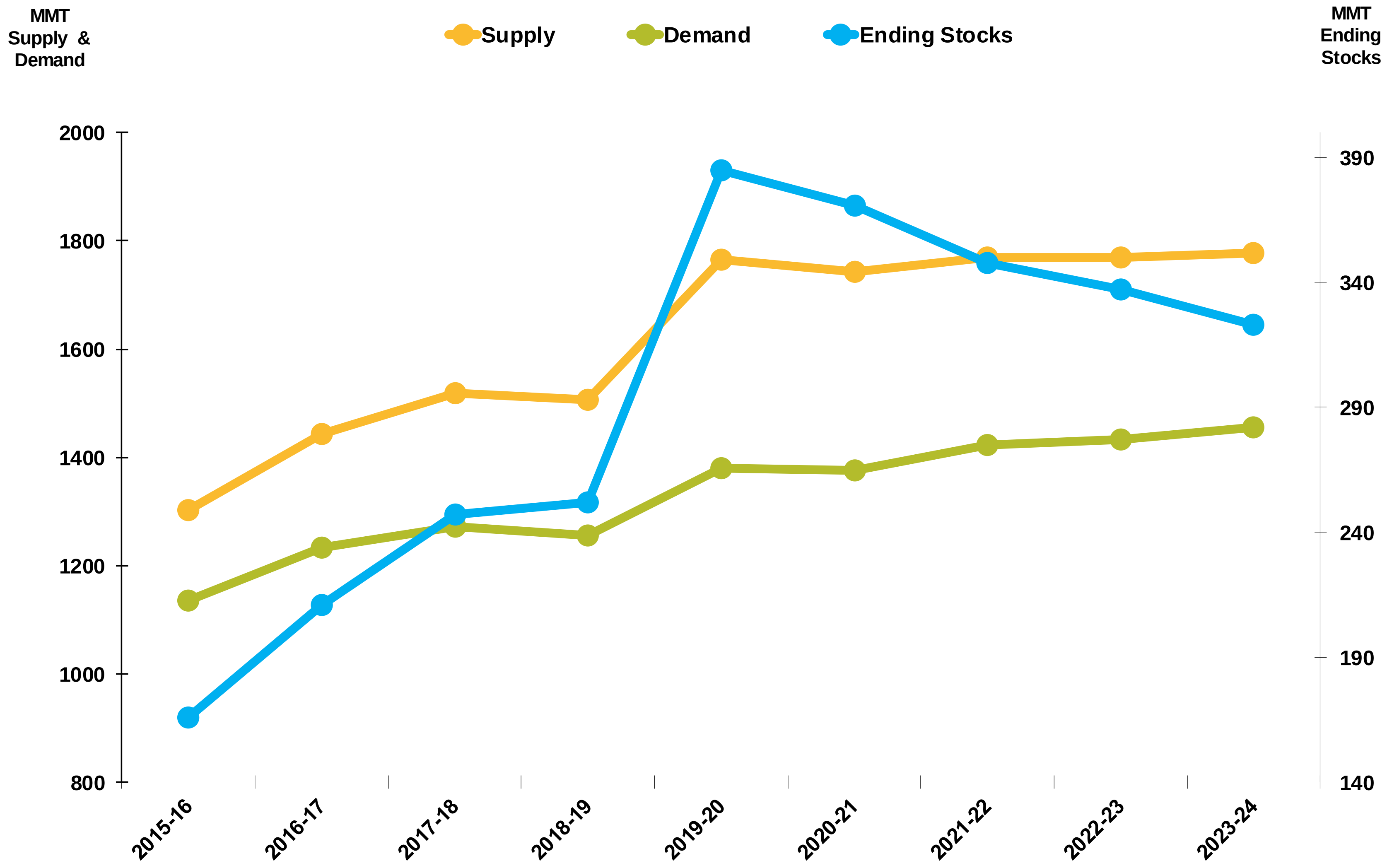
Corn Market Perspective

May 12, 2023

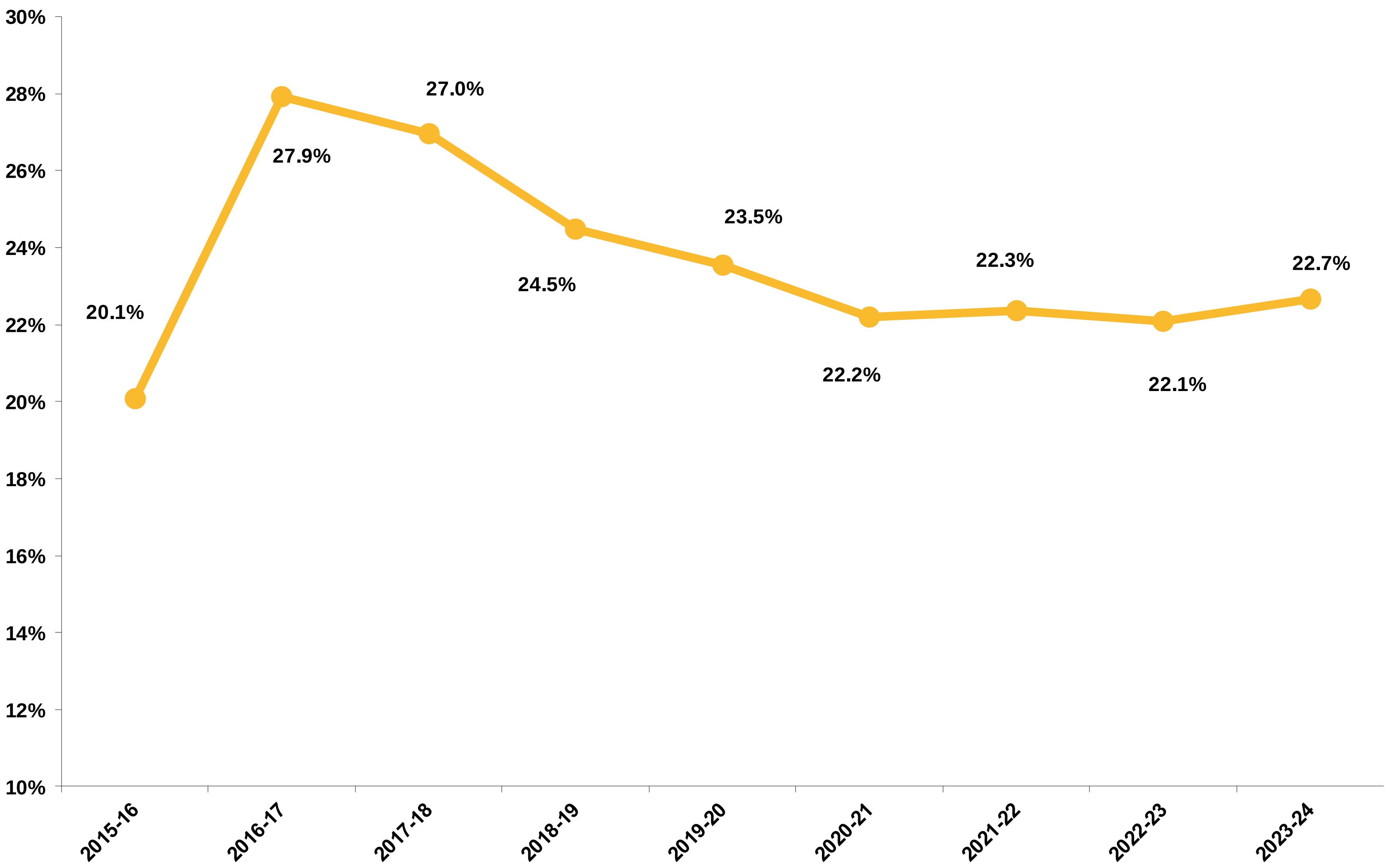
World
S&D
Overview

WORLD COARSE GRAIN SUPPLY & DEMAND

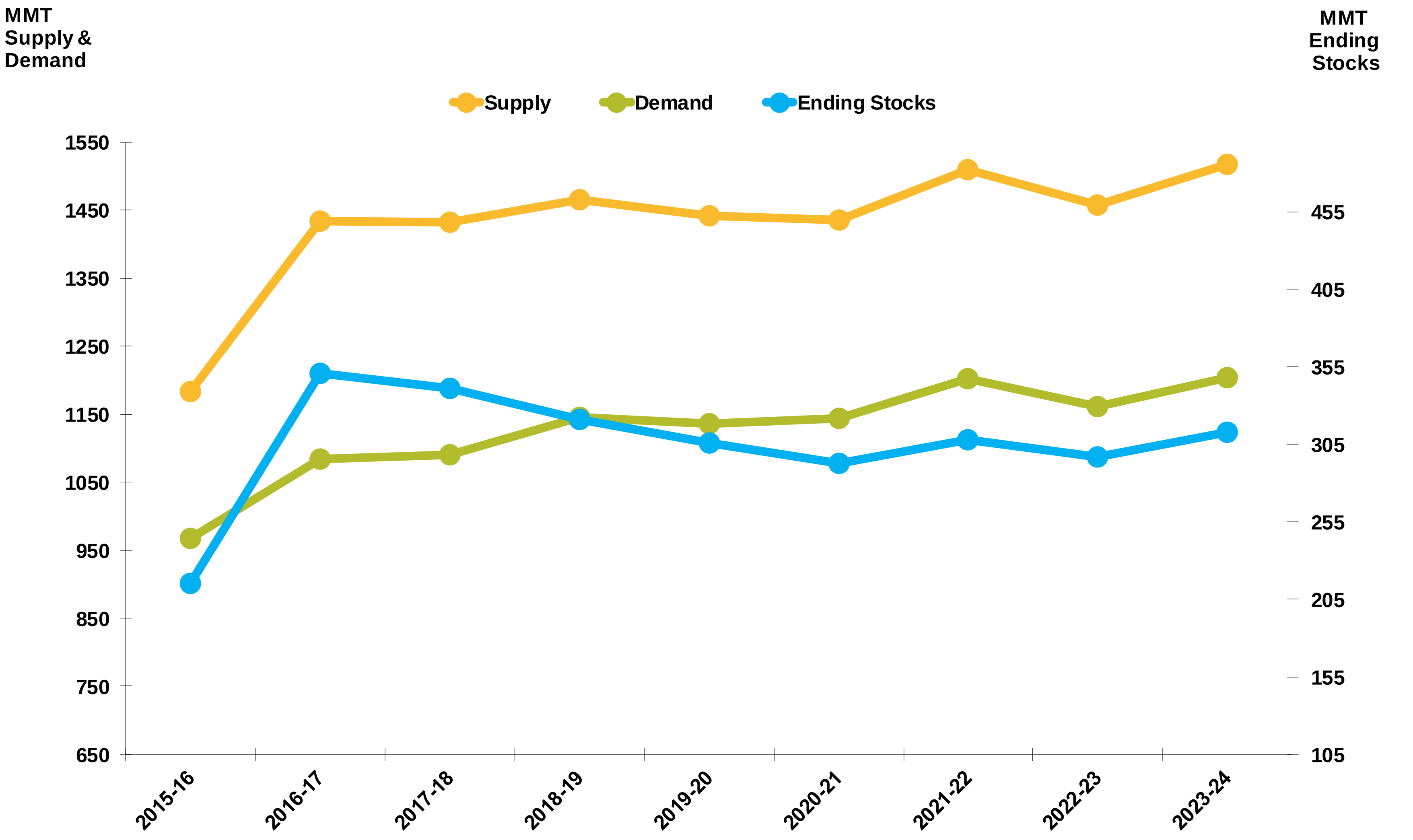
Coarse Grains include corn, sorghum, barley, oats & rye.



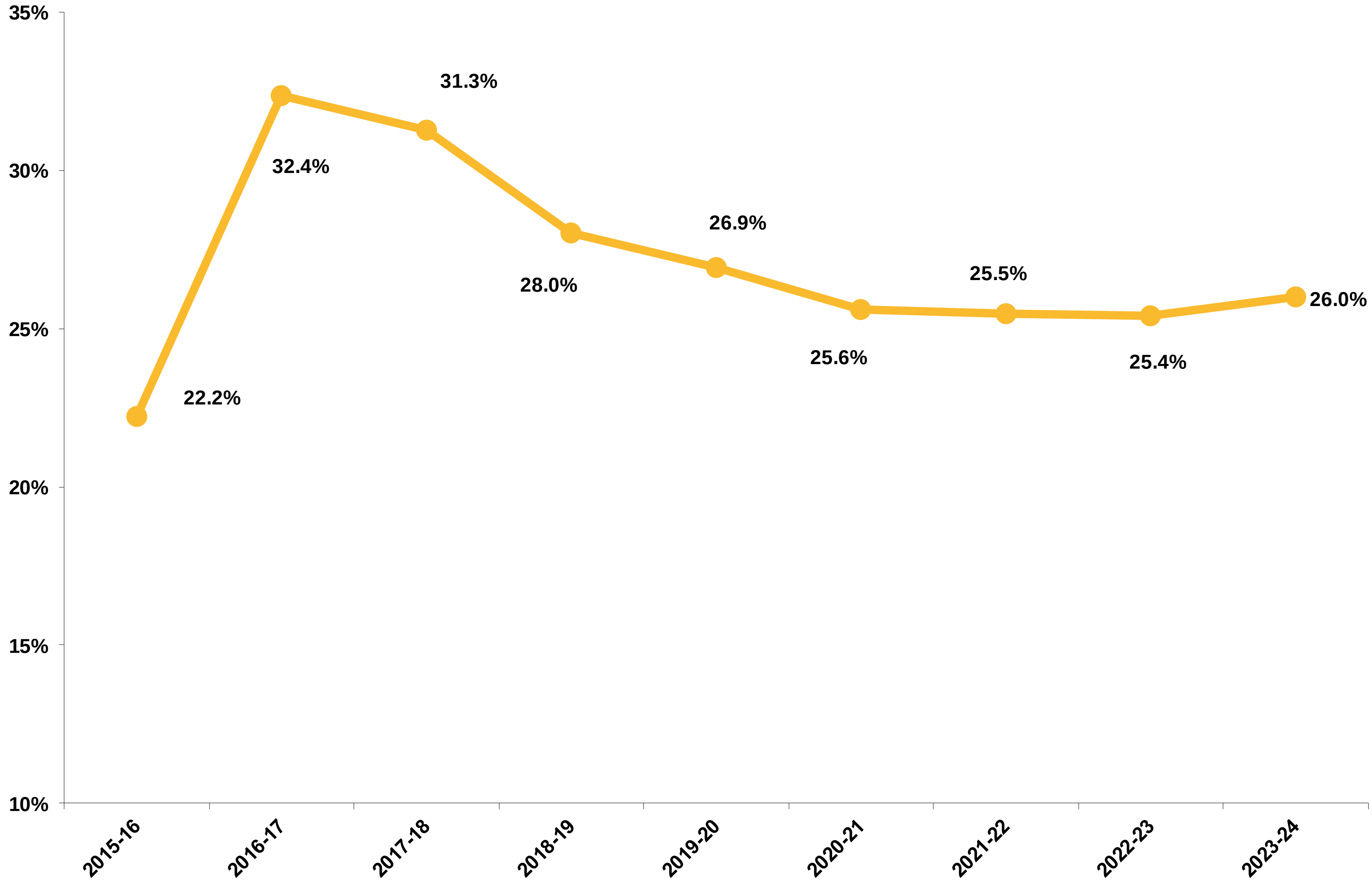
WORLD COARSE GRAIN



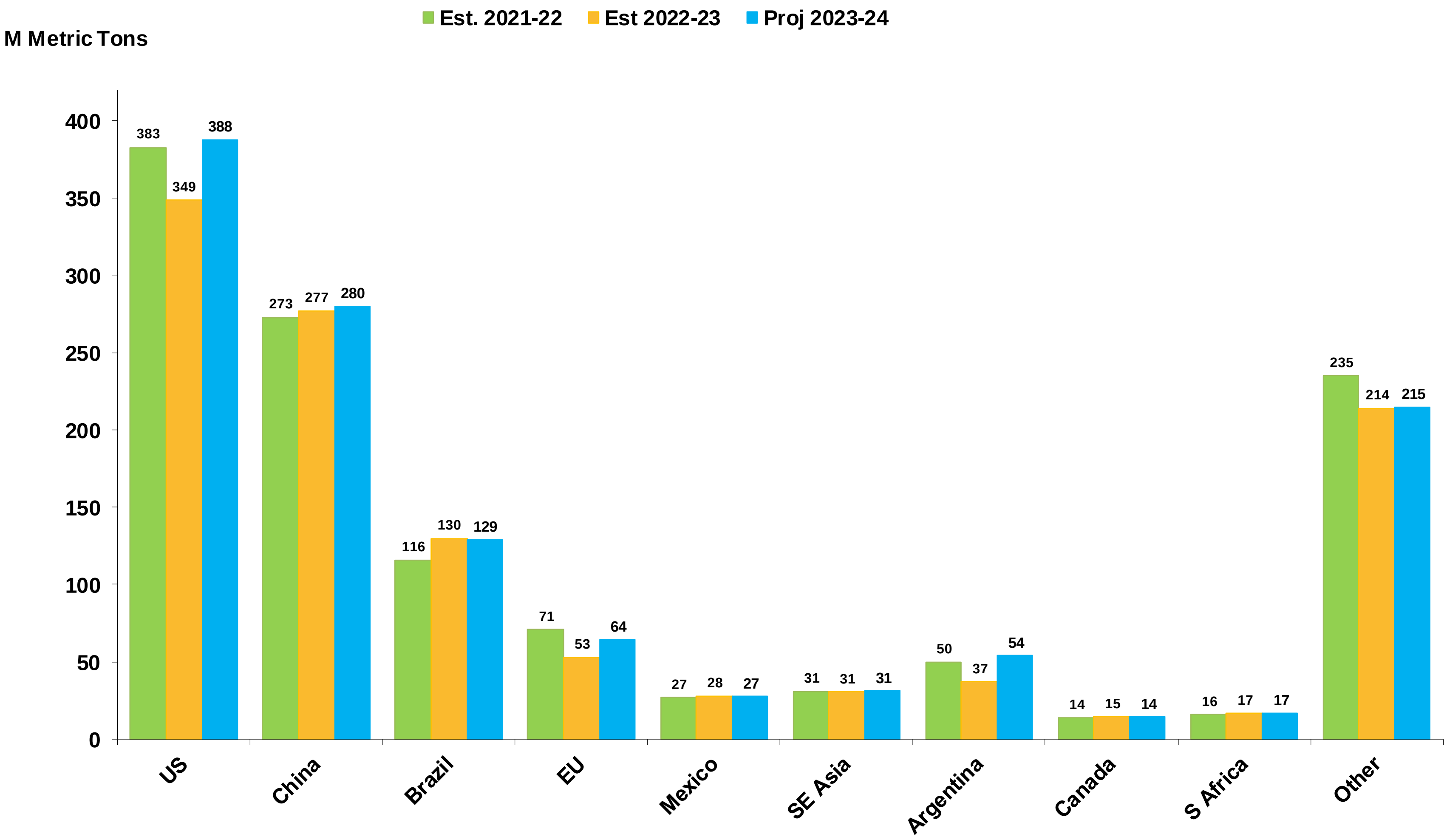
WORLD CORN SUPPLY & DEMAND



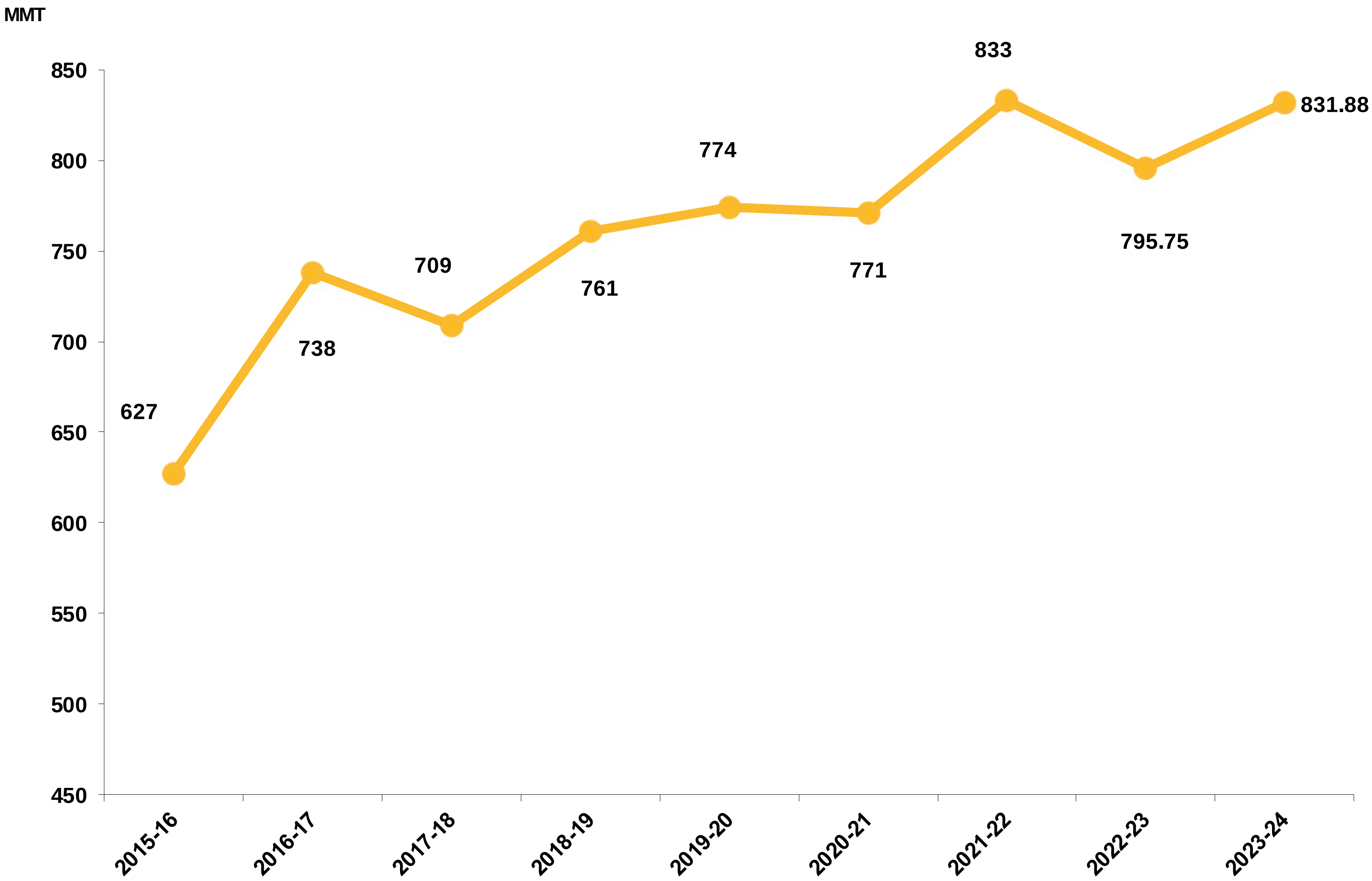
WORLD CORN
% ENDING STOCKS / DEMAND



WORLD CORN PRODUCTION

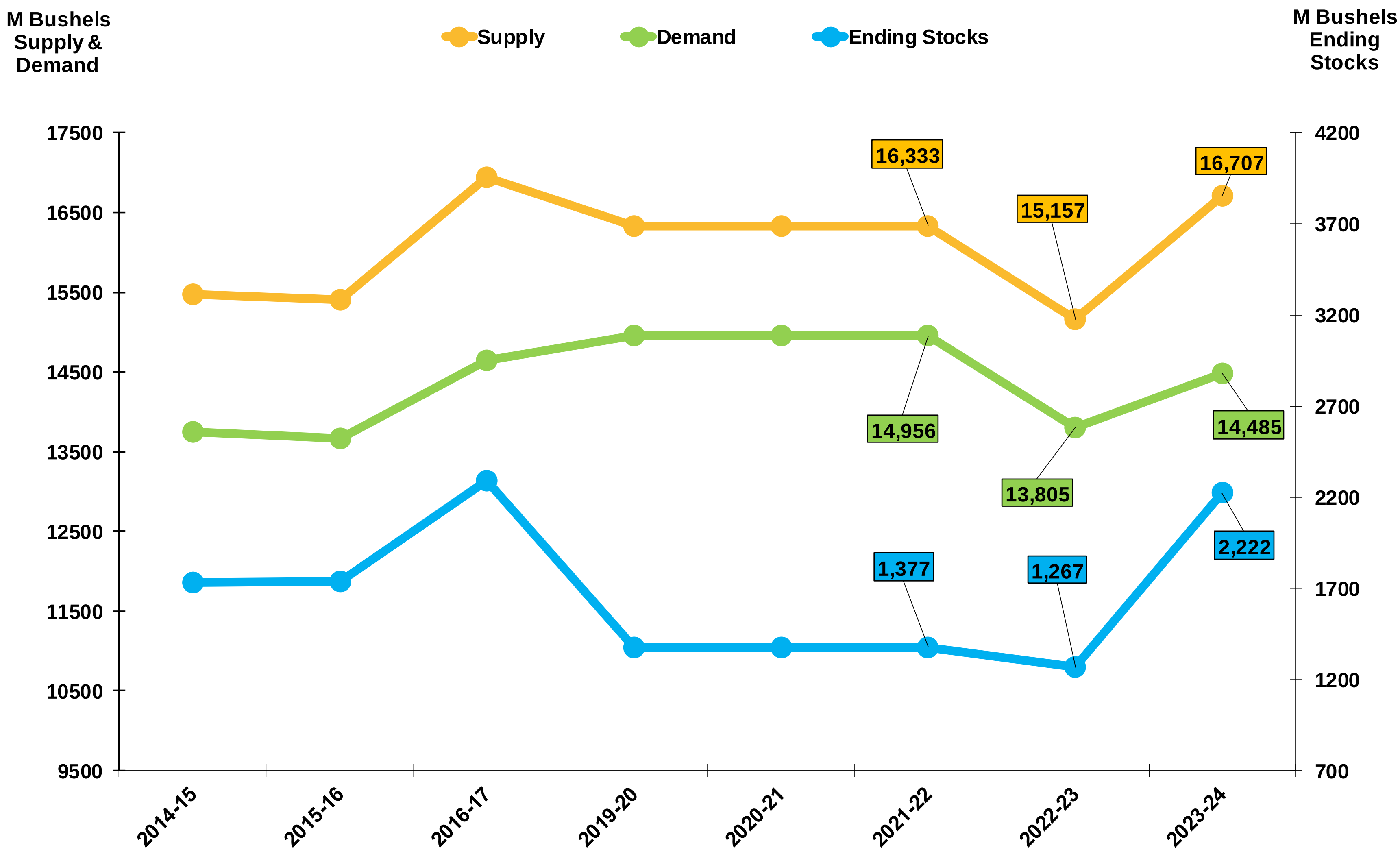


WORLD CORN PRODUCTION MINUS U.S.

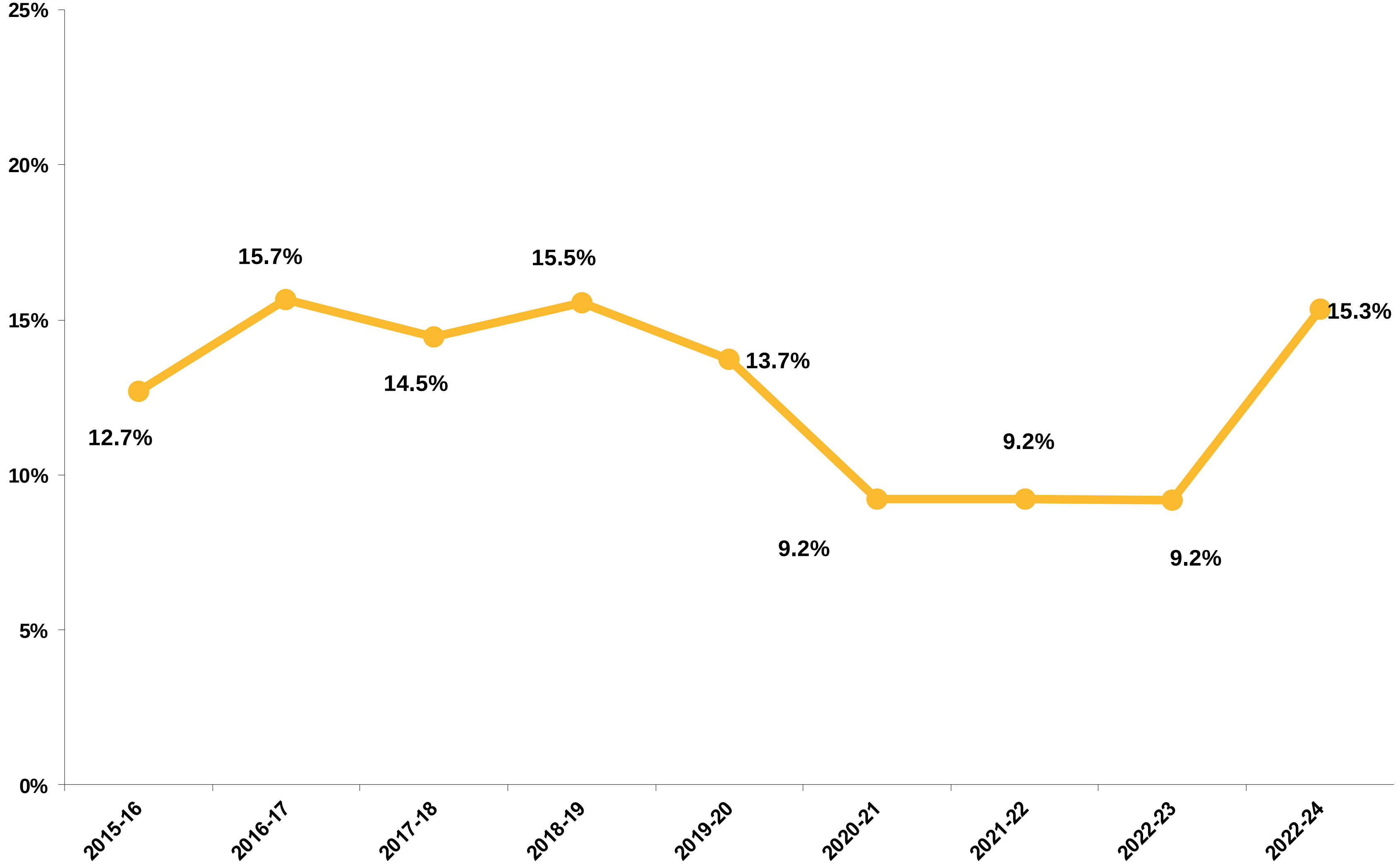


U.S.
S&D
Overview

U.S. CORN SUPPLY AND DEMAND



U.S. CORN
% ENDING STOCKS / TOTAL DEMAND



U.S. - Supply
Old & New Crop
2022-23 & 2023-24

U.S.D.A. WASDE

U.S. CORN PRODUCTION

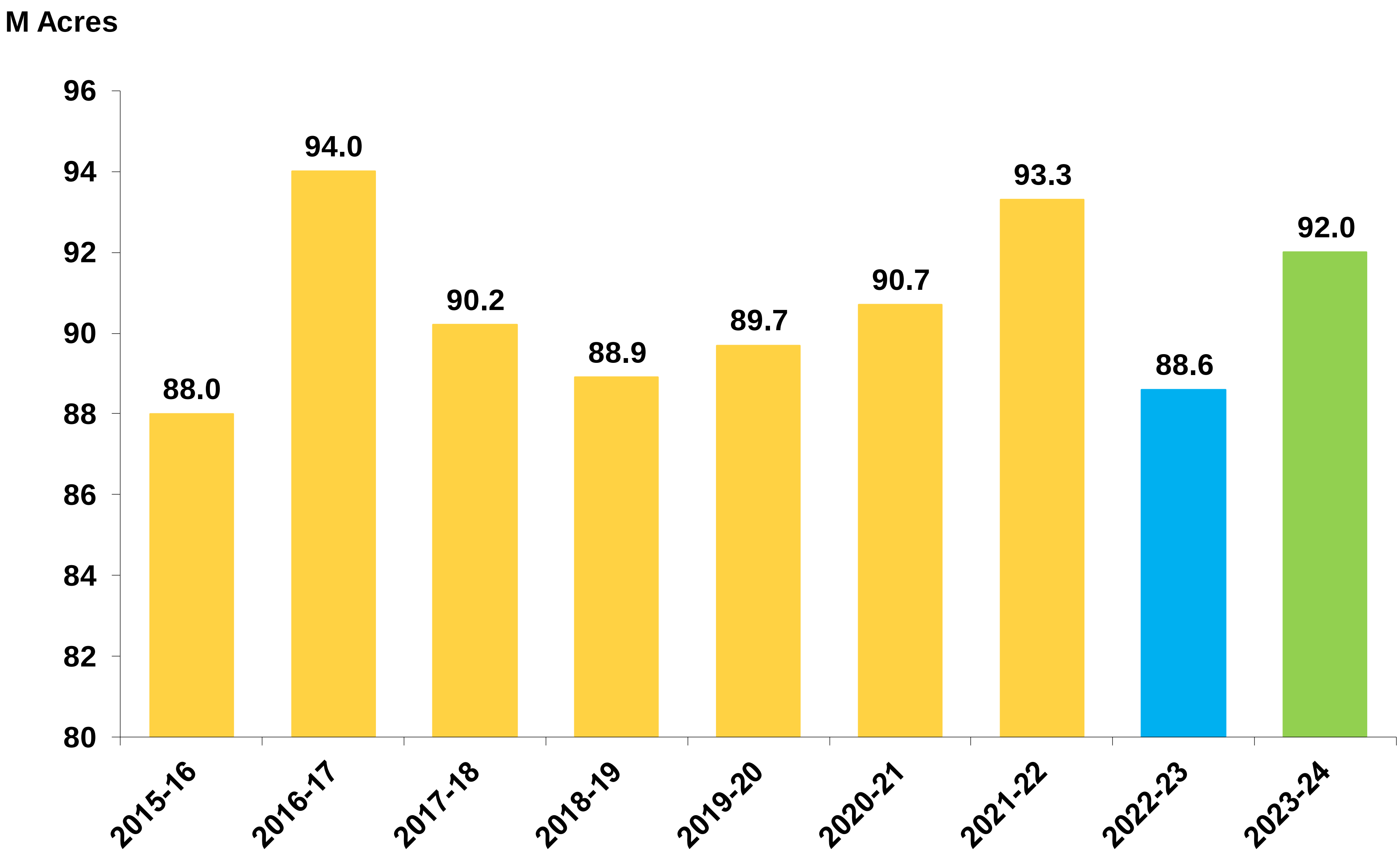
USDA May, 2023

	2021-22	Est. 2022-23	Proj 2023-24
Planted (mil. acres)	93.3	88.6	92.0
Harvested (mil. acres)	85.3	79.2	84.1
Yield (bus./acre)	176.7	173.3	181.5
Production (mil. bu.)	15,074	13,730	15,265

U.S. CORN SUPPLY / DEMAND

	2021-22	Est. 2022-23	Proj 2023-24
Beginning Stocks	1,235	1,377	1,417
Production	15,074	13,730	15,265
Imports	24	40	25
TOTAL SUPPLY	16,333	15,157	16,707
Feed	5,721	5,275	5,650
Food/Ind/Seed	6,764	6,680	6,735
Ethanol	5,326	5,250	5,300
Exports	2,471	1,775	2,100
TOTAL DEMAND	14,956	13,730	14,485
ENDING STOCKS	1,377	1,417	2,222
ENDING STOCKS / TOTAL DEMAND	9.2%	10.3%	15.3%
Average Farm Price	$6.00	$6.60	$4.80

U.S. CORN PLANTED ACRES



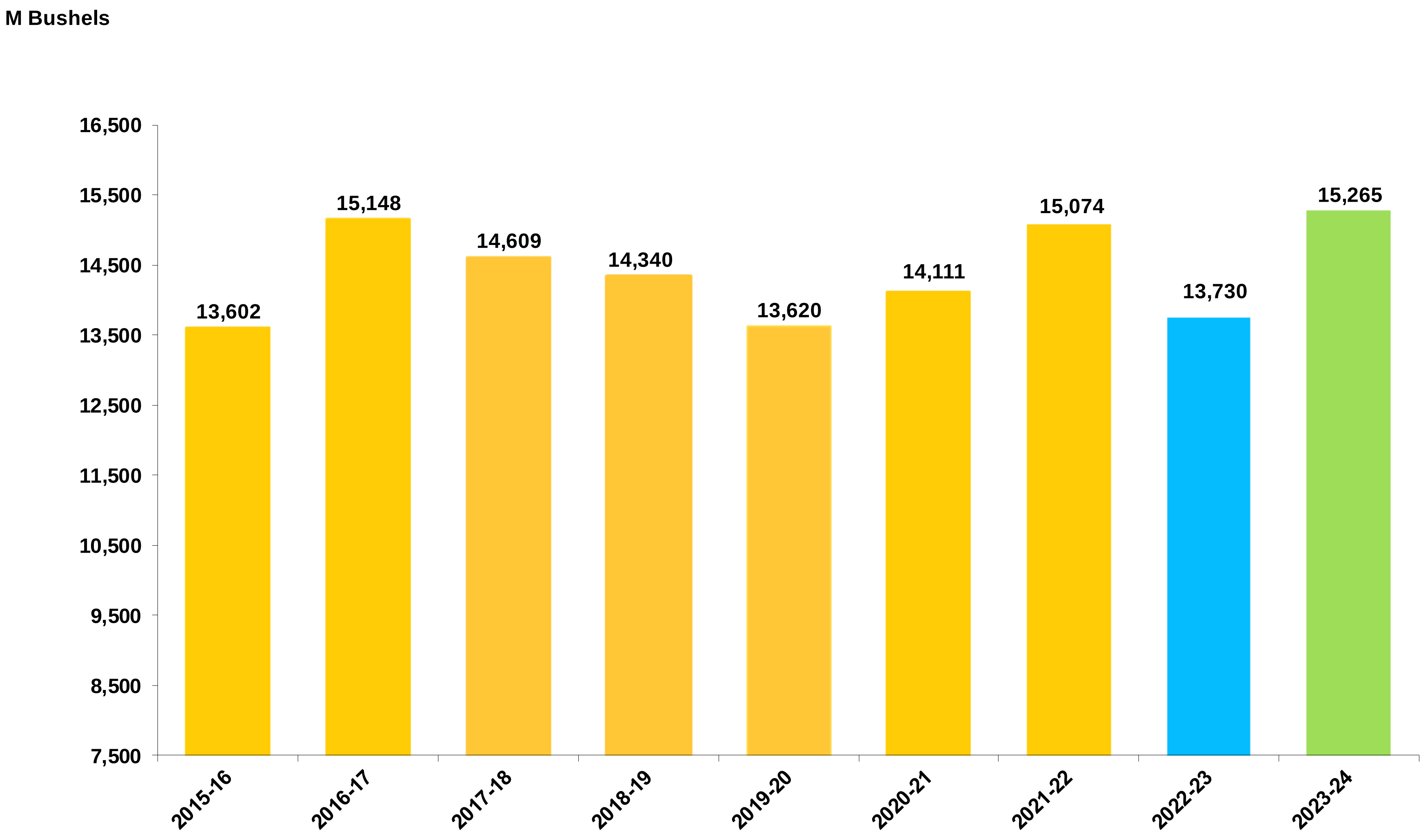
USDA CORN PLANTING INTENTIONS

March 31, 2023

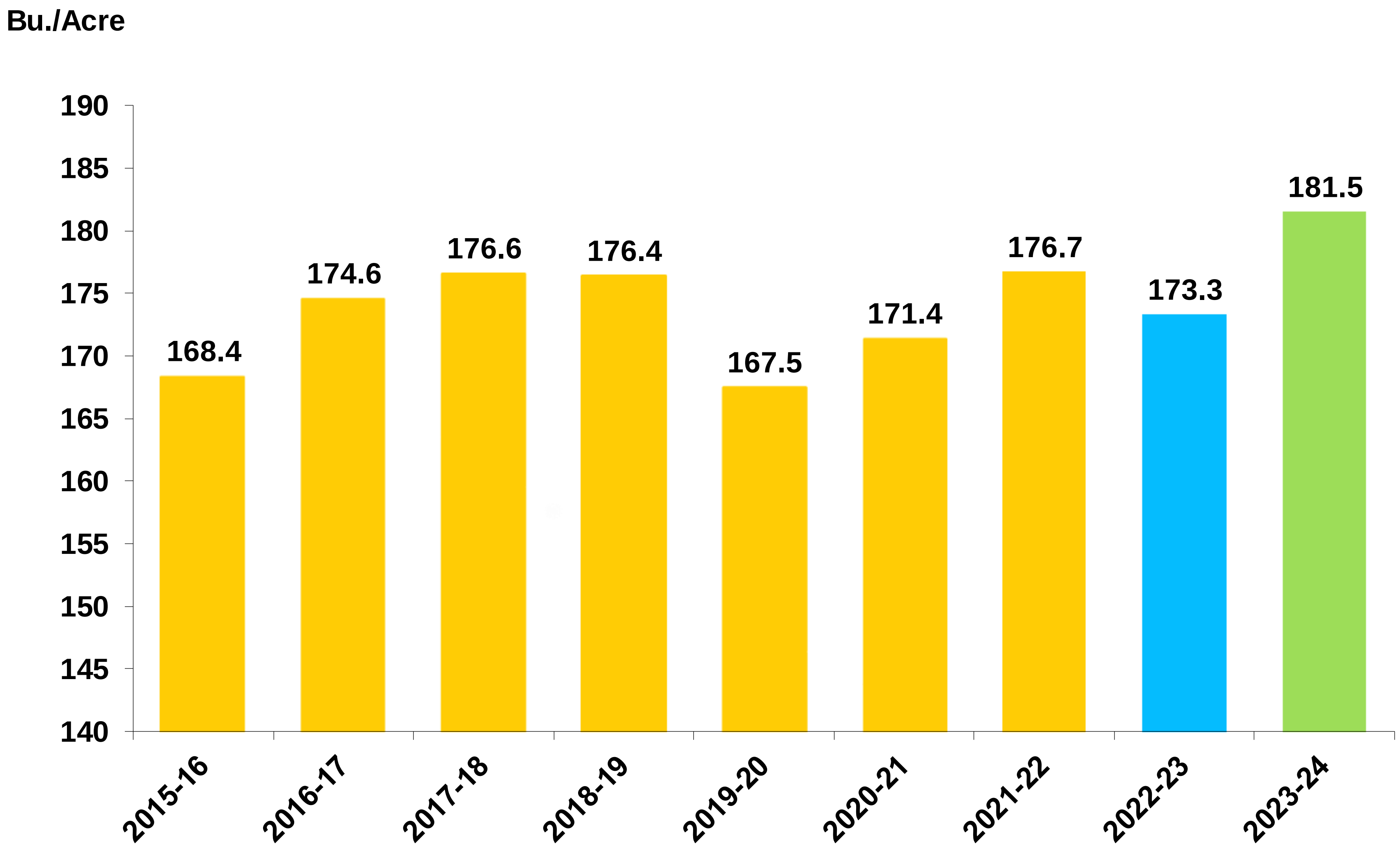
1,000 Acres

	2022 Final	2023 Prospective	Change	% Change
Iowa	12,900	13,100	200	2%
Illinois	10,800	11,000	200	2%
Indiana	5,250	5,500	250	5%
Ohio	3,400	3,450	50	1%
Minnesota	8,000	8,350	350	4%
Nebraska	9,600	9,500	-100	-1%
Total	49,950	50,900	950	2%
Kansas	5,500	5,600	100	2%
Missouri	3,350	3,450	100	3%
North Dakota	2,950	3,750	800	27%
South Dakota	5,750	5,900	150	3%
Total	17,550	18,700	1,150	7%
Total U.S.	88,579	91,996	3,417	4%

U.S. CORN PRODUCTION

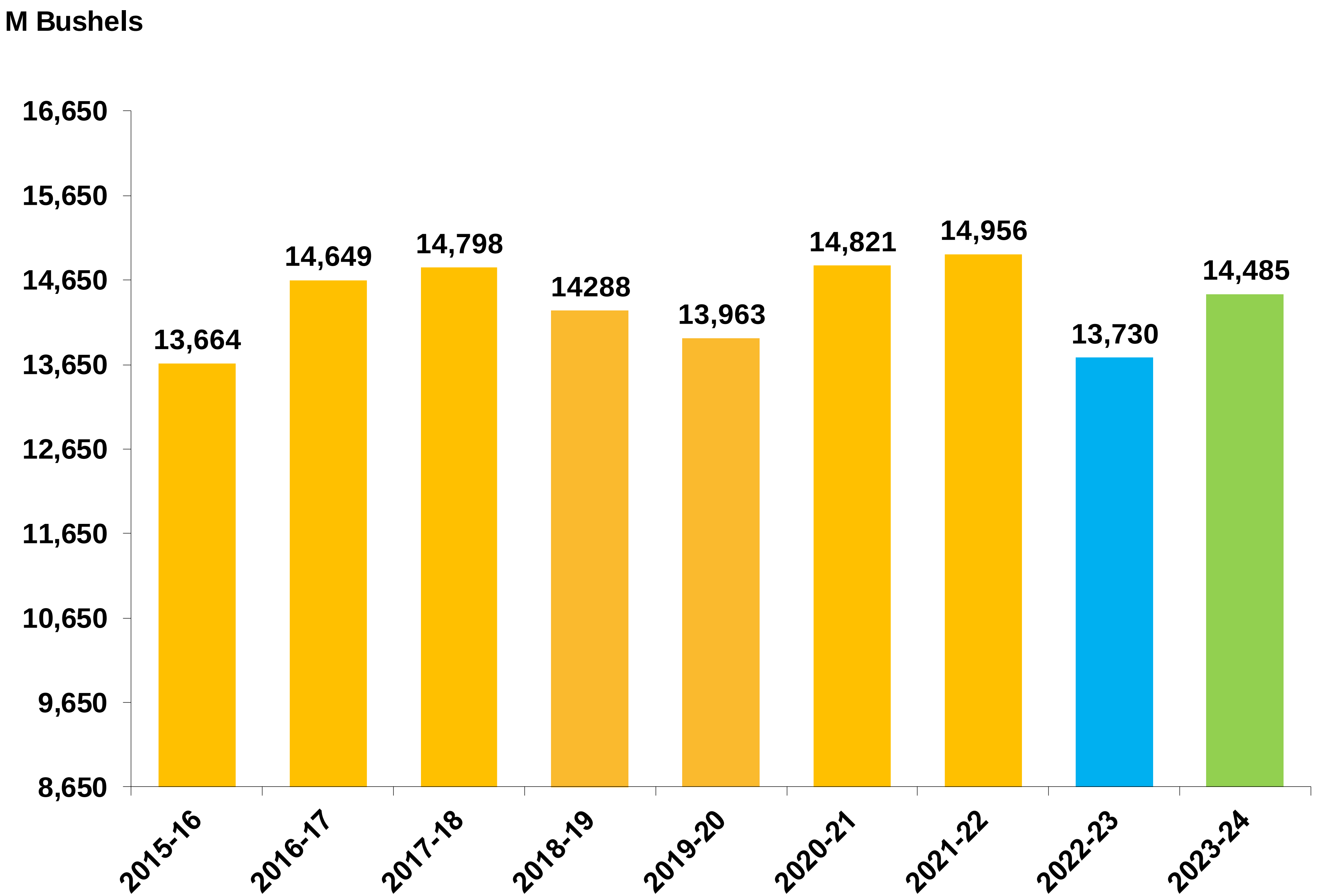


U.S. CORN YIELD

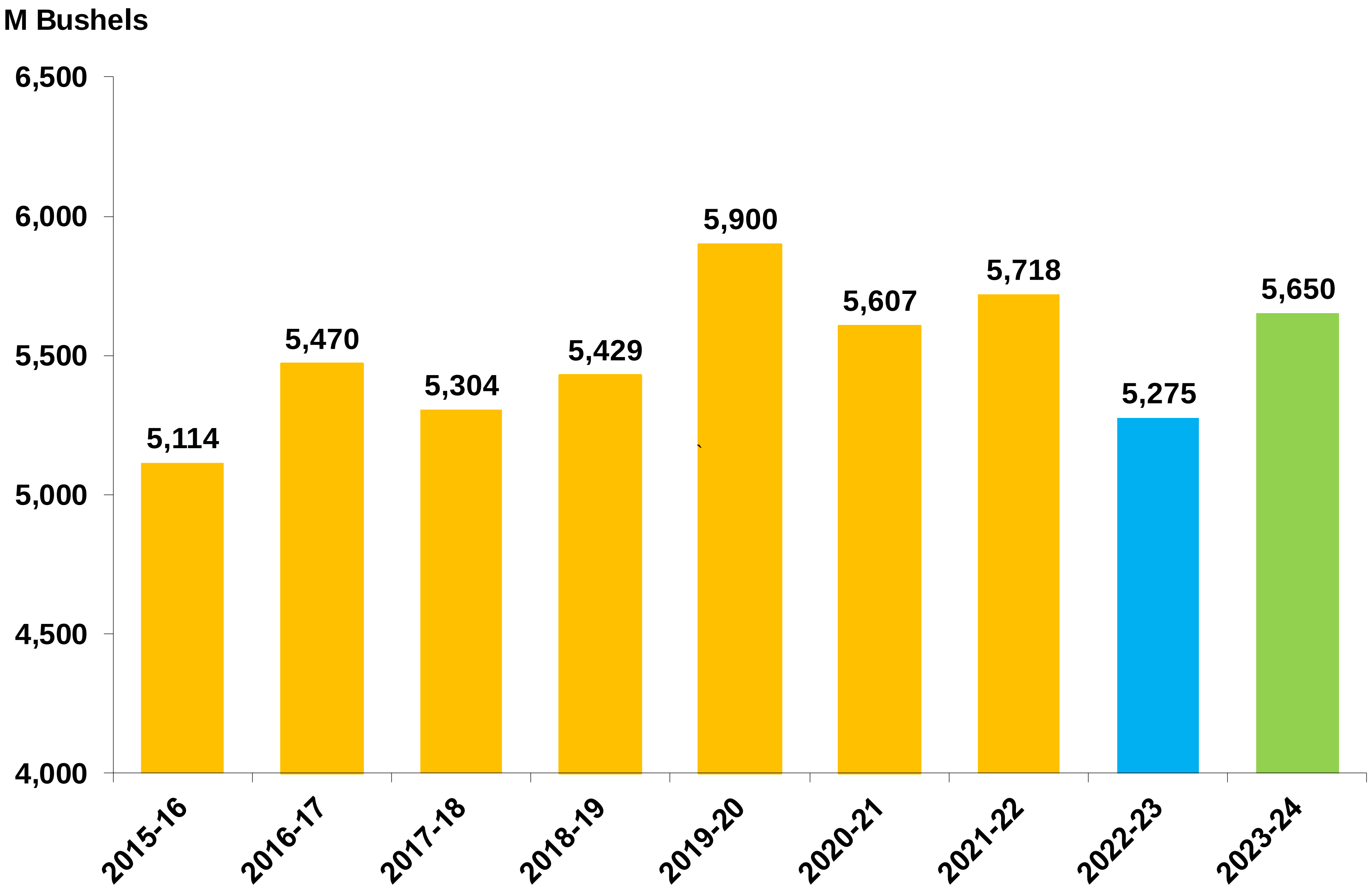


U.S. - Demand

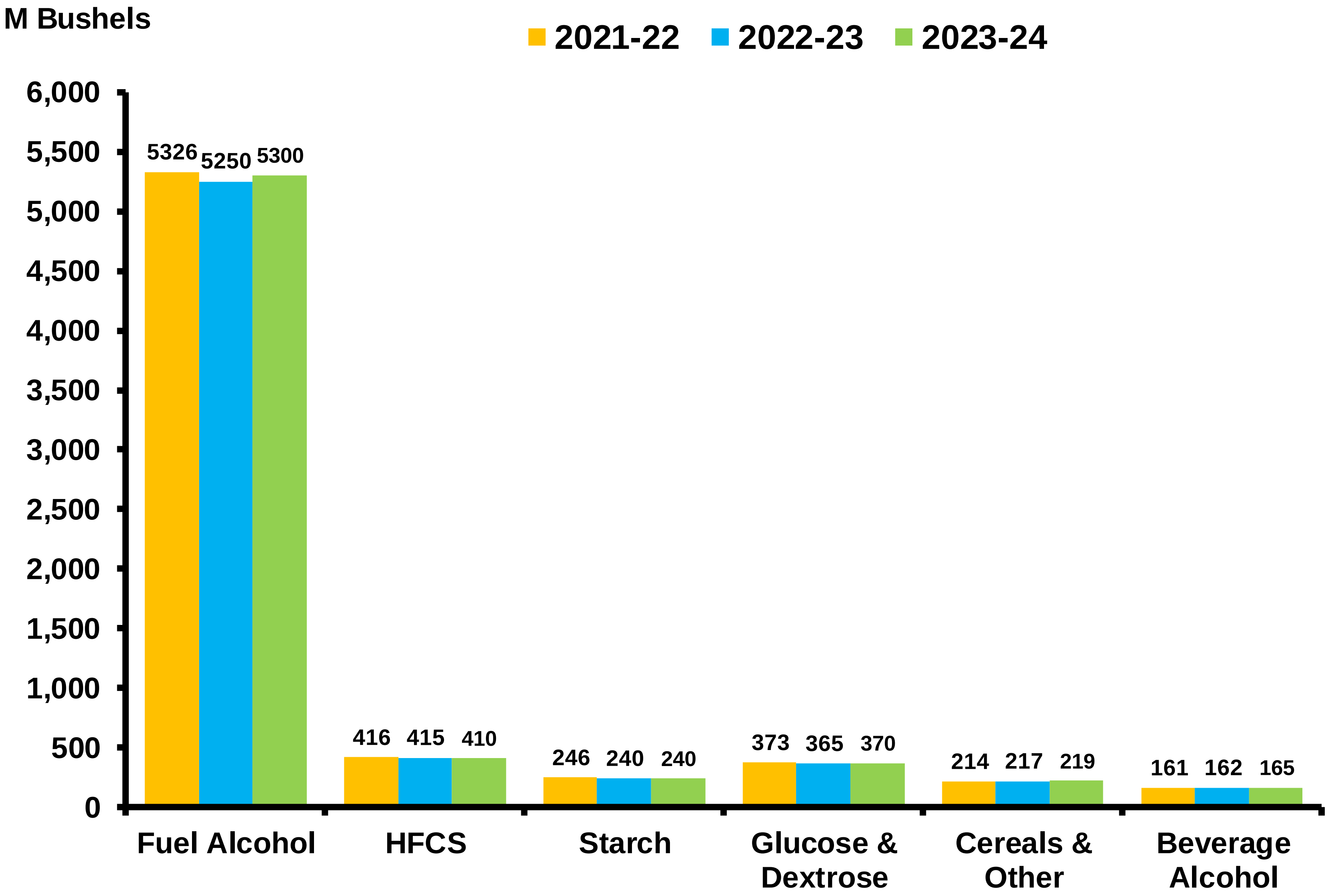
U.S TOTAL DEMAND



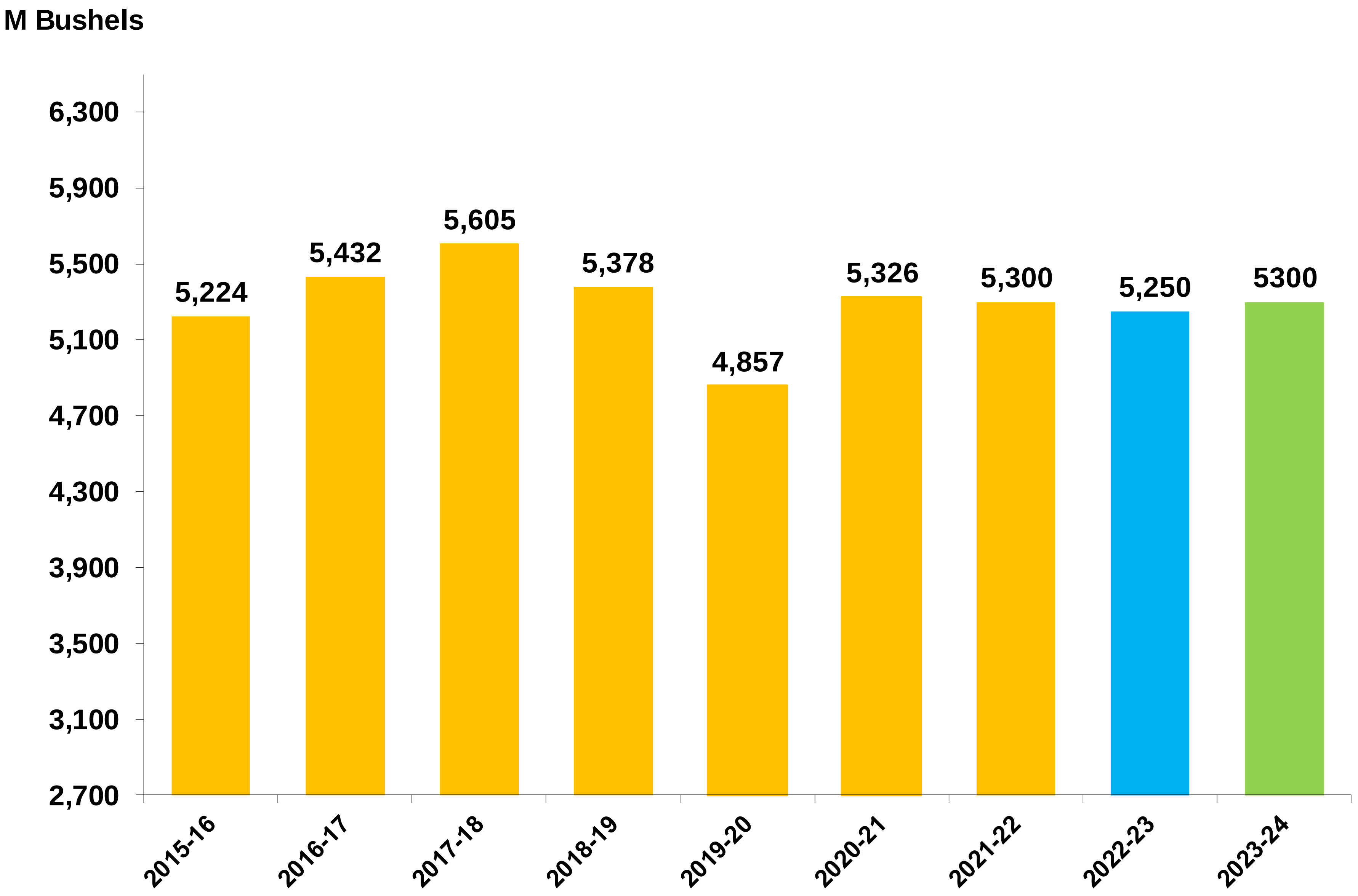
U.S. FEED DEMAND



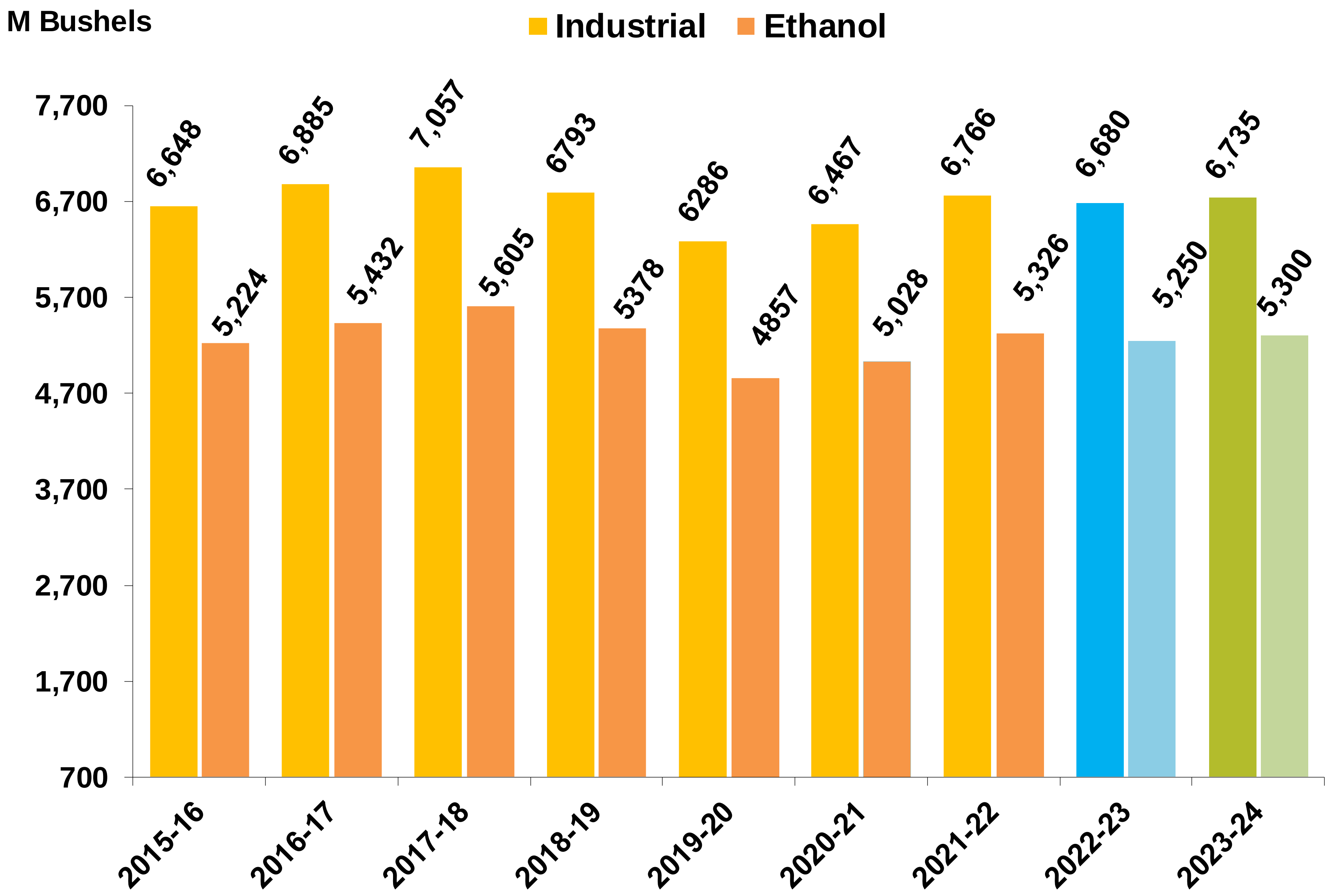
U.S. INDUSTRIAL DEMAND



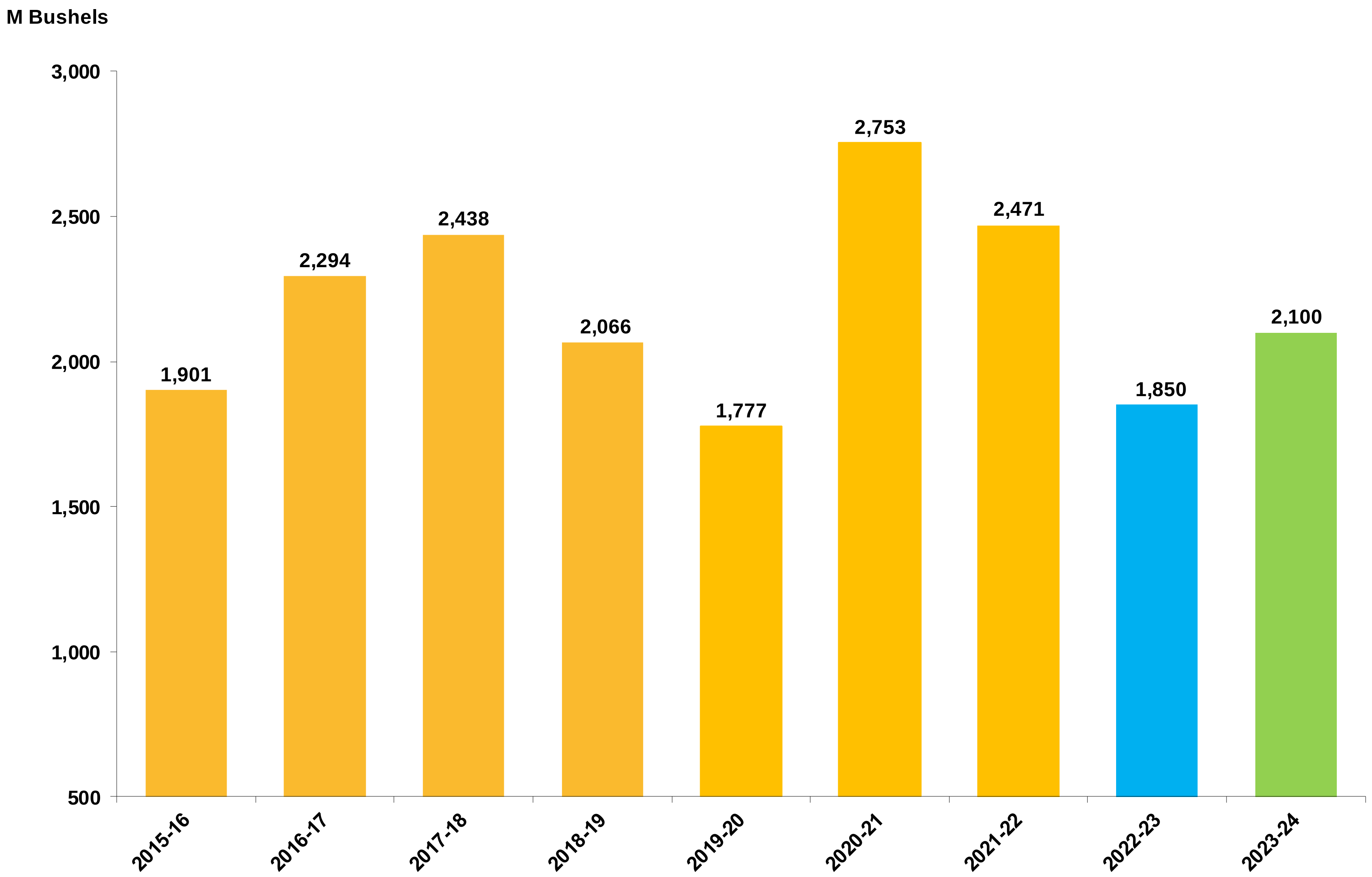
U.S. ETHANOL DEMAND



INCREASE IN FOOD SEED & INDUSTRIAL



U.S. EXPORT DEMAND



U.S. CORN PRODUCTION

	USDA May 2023		2022-23 Yield Scenarios			
	2021-22	2022-23	2023-24			
Planted (mil. acres)	93.3	88.6	92	92	92	92
Harvested (mil. acres)	85.3	79.2	84.1	84.1	84.1	84.1
Yield (bus./acre)	176.7	173.3	177.9	179.7	181.5	183.3
Production (mil. bu.)	15,074	13,730	14,959	15,112	15,265	15,417

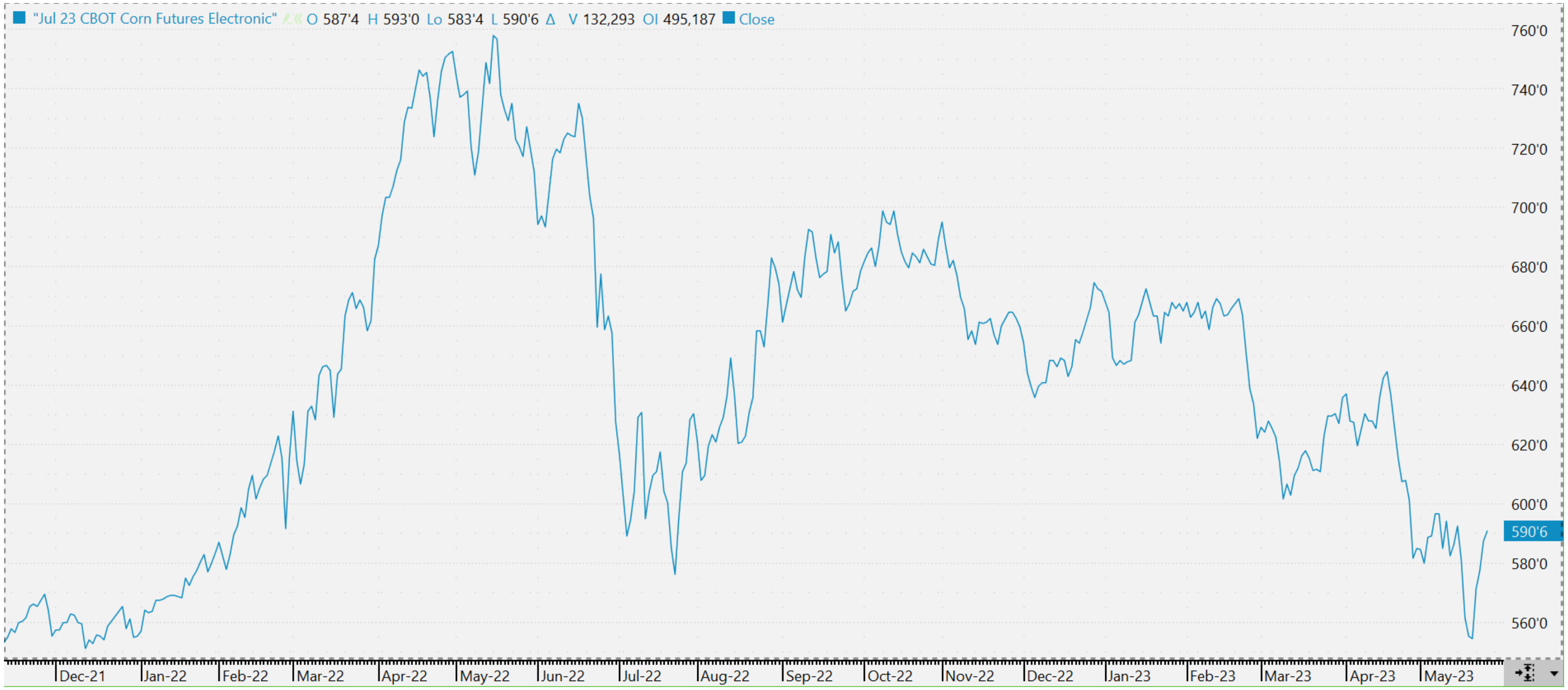
U.S. CORN SUPPLY / DEMAND

(million bushels)

	2021-22	2022-23				
Beginning Stocks	1,235	1,377	1,417	1,417	1,417	1,417
Production	15,074	13,730	14,959	15,112	15,265	15,417
Imports	24	40	25	25	25	25
TOTAL SUPPLY	16,333	15,157	16,401	16,554	16,707	16,859
Feed	5,718	5,275	5,650	5,650	5,650	5,650
Food/Ind/Seed	6,766	6,680	6,735	6,735	6,735	6,735
Ethanol	(5,326)	(5,250)	(5,300)	(5,300)	(5,300)	(5,300)
Exports	2,471	1,850	2,100	2,100	2,100	2,100
TOTAL DEMAND	14,956	13,815	14,485	14,485	14,485	14,485
ENDING STOCKS	1,377	1,342	1,916	2,069	2,222	2,374
Stocks/Usage	9.2%	9.7%	13.2%	14.3%	15.3%	16.4%

Daily July ‘23 Corn Futures

- Source: Marketview



Summary: WASDE 5/12/2023
First Estimates of the 2023/24 Crop

- **The May report is the first look at the new crop balance sheet.**
- **2023/24 US Corn outlook is for larger production, greater domestic use, and exports, and higher ending stocks.**
- **Corn crop is projected at a record 15.3 billion bushels (10% increase from last year)**
- **Both planted acres and early yield estimates contribute to the increase**
- **Total corn supplies are forecast to be the highest since 2017/18**

Summary: WASDE 5/12/2023
First Estimates of the 2023/24 Crop

- **Domestic use is expected to increase slightly.**
- **Corn used for ethanol is projected to increase 1% due to an expected growth in gasoline demand.**
- **Lower prices will support an increase in export sales.**
- **Feed and residual use is projected higher on lower expected prices.**
- **With supply increases expected to outpace demand, the season-average farm price is projected at $4.80 per bushel compared to $6.60 last year.**

Thank You