

US Weekly Petroleum Status Report - Ethanol

	Ethanol Production		Change		Ethanol Stocks		Change		Days of Ethanol
	Mbbl	Last Week	Last Year		Mbbl	Last Week	Last Year		
7/24/2020	958	50	-7.1%		20,272	471	-17.1%		20.7
7/31/2020	931	(27)	-10.5%		20,346	74	-12.0%		21.8
8/7/2020	918	(13)	-12.2%		19,750	(596)	-17.3%		22.2
8/14/2020	926	8	-9.5%		20,270	520	-13.3%		21.3
8/21/2020	931	5	-10.3%		20,409	139	-11.2%		21.8
8/28/2020	922	(9)	-9.0%		20,882	473	-12.3%		22.1
9/4/2020	941	19	-8.0%		19,993	(889)	-11.1%		22.2
9/11/2020	926	(15)	-7.7%		19,798	(195)	-14.8%		21.6

Source: EIA and FI

US Weekly Ethanol By PADD

	11-Sep	4-Sep		Weekly	4-Week	YOY
Ethanol Stocks	2020	2020	Change	Percent	Percent	Percent
Total Stocks	19798	19993	(195)	-1.0%	-3.0%	-14.8%
East Coast PADD 1	6323	6161	162	2.6%	-1.8%	-15.6%
Midwest PADD 2	6404	6785	(381)	-5.6%	-3.3%	-13.5%
Gulf Coast PADD 3	3503	3430	73	2.1%	-13.6%	-30.9%
Rocky Mt. PADD 4	399	409	(10)	-2.4%	5.0%	-5.2%
West Coast PADD 5	3169	3208	(39)	-1.2%	9.0%	11.3%
Plant Production	11-Sep	4-Sep		Weekly	4-Week	YOY
	2020	2020	Change	Percent	Percent	Percent
Total Production	926	941	(15)	-1.6%	-0.5%	-7.7%
East Coast PADD 1	13	12	1	8.3%	8.3%	
Midwest PADD 2	879	892	(13)	-1.5%	-0.6%	-5.3%
Gulf Coast PADD 3	17	16	1	6.3%	-10.5%	
Rocky Mt. PADD 4	10	10	0	0.0%	42.9%	
West Coast PADD 5	8	10	(2)	-20.0%	-11.1%	
Plant Production	Crop-Year to Date YOY Percent Change			Prv. 3-Year Average		
	2019-20	2018-19	2017-18	2016-17		
	-10.2%	-2.2%	-0.4%	4.3%		0.6%

Source: EIA and FI

Source: EIA and FI

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Source: Reuters, Bloomberg, EIA, CME and FI

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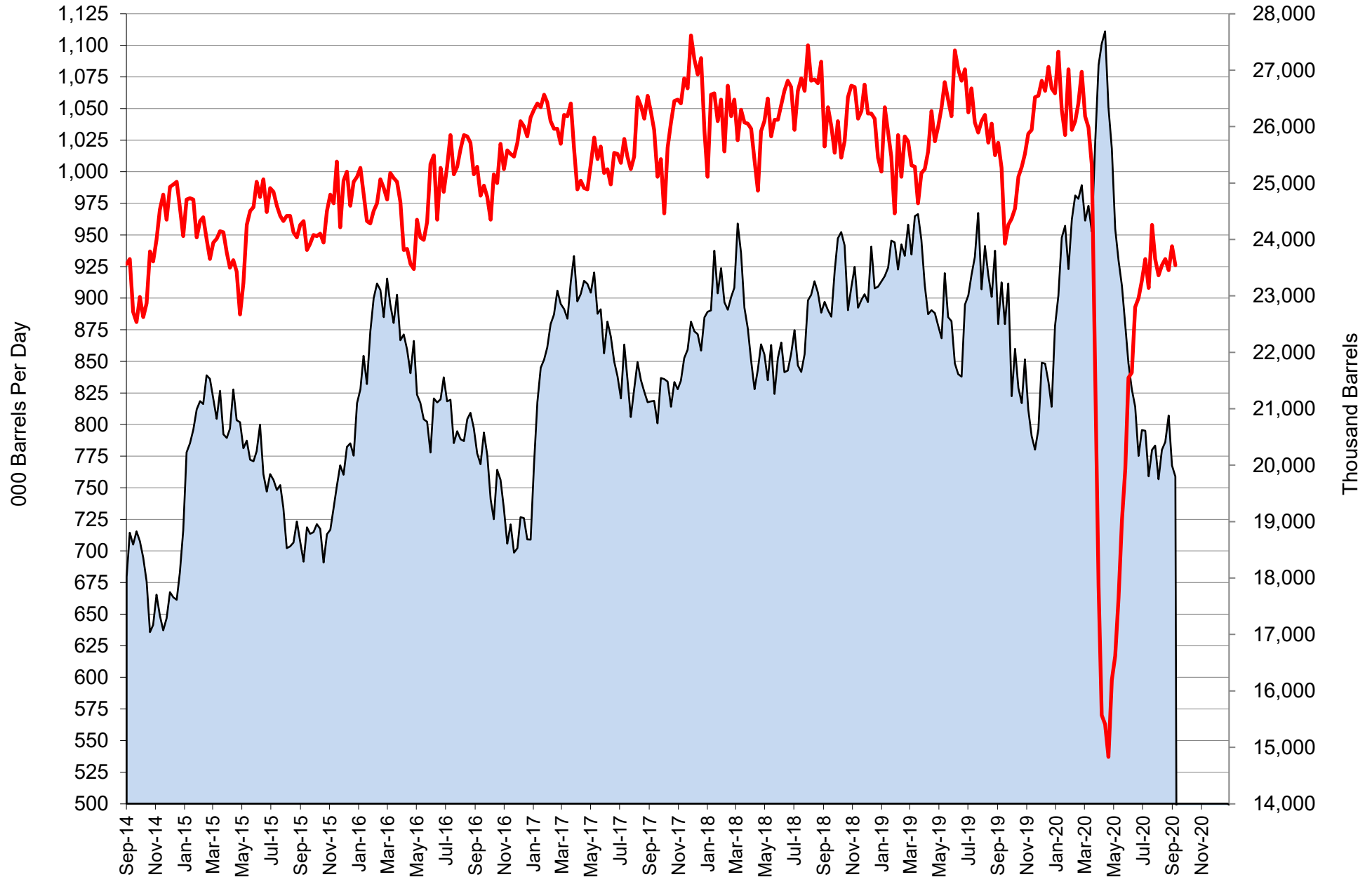
US Weekly Petroleum Status Report

	Ethanol Production 000 Barrels Per Day	Change from Last Week	Change from Last Month	Change from Last Year	Ethanol Stocks 000 Barrels	Change from Last Week	Change from Last Month	Change from Last Year	Days of Ethanol Inventory
8/30/2019	1013	(25)	-2.6%	-6.8%	23,801	819	3.0%	4.8%	22.7
9/6/2019	1023	10	-2.1%	0.3%	22,499	(1302)	-5.8%	-1.7%	23.3
9/13/2019	1003	(20)	-2.0%	-4.6%	23,238	739	-0.6%	2.2%	22.4
9/20/2019	943	(60)	-9.2%	-9.0%	22,500	(738)	-2.1%	-0.6%	24.6
9/27/2019	958	15	-5.4%	-5.6%	23,219	719	-2.4%	-1.0%	23.5
10/4/2019	963	5	-5.9%	-7.4%	21,224	(1995)	-5.7%	-11.6%	24.1
10/11/2019	971	8	-3.2%	-4.0%	22,061	837	-5.1%	-8.6%	21.9
10/18/2019	996	25	5.6%	-2.7%	21,364	(697)	-5.0%	-10.6%	22.1
10/25/2019	1004	8	4.8%	-5.2%	21,099	(265)	-9.1%	-7.2%	21.3
11/1/2019	1014	10	5.3%	-5.1%	21,874	775	3.1%	-5.5%	20.8
11/8/2019	1030	16	6.1%	-3.5%	20,985	(889)	-4.9%	-10.8%	21.2
11/15/2019	1033	3	3.7%	-0.9%	20,514	(471)	-4.0%	-10.0%	20.3
11/22/2019	1059	26	5.5%	1.0%	20,277	(237)	-3.9%	-11.6%	19.4
11/29/2019	1060	1	4.5%	-0.8%	20,639	362	-5.6%	-10.4%	19.1
12/6/2019	1072	12	4.1%	2.5%	21,815	1176	4.0%	-4.7%	19.3
12/13/2019	1064	(8)	3.0%	1.7%	21,798	(17)	6.3%	-8.7%	20.5
12/20/2019	1083	19	2.3%	3.9%	21,469	(329)	5.9%	-7.2%	20.1
12/27/2019	1066	(17)	0.6%	5.4%	21,034	(435)	1.9%	-9.2%	20.1
1/3/2020	1062	(4)	-0.9%	6.2%	22,462	1428	3.0%	-3.4%	19.8
1/10/2020	1095	33	2.9%	4.2%	23,006	544	5.5%	-1.5%	20.5
1/17/2020	1049	(46)	-3.1%	1.7%	24,031	1025	11.9%	2.3%	21.9
1/24/2020	1029	(20)	-3.5%	1.7%	24,244	213	15.3%	1.1%	23.4
1/31/2020	1081	52	1.8%	11.8%	23,474	(770)	4.5%	-2.0%	22.4
2/7/2020	1033	(48)	-5.7%	0.4%	24,358	884	5.9%	3.8%	22.7
2/14/2020	1040	7	-0.9%	4.4%	24,781	423	3.1%	3.6%	23.4
2/21/2020	1054	14	2.4%	2.5%	24,718	(63)	2.0%	4.3%	23.5
2/28/2020	1079	25	-0.2%	5.4%	24,964	246	6.3%	2.9%	22.9
3/6/2020	1044	(35)	1.1%	3.9%	24,334	(630)	-0.1%	2.5%	23.9
3/13/2020	1035	(9)	-0.5%	3.1%	24,598	264	-0.7%	0.8%	23.5
3/20/2020	1005	(30)	-4.6%	3.1%	24,140	(458)	-2.3%	-1.3%	24.5
3/27/2020	840	(165)	-22.2%	-15.9%	25,717	1577	3.0%	7.2%	28.7
4/3/2020	672	(168)	-35.6%	-32.9%	27,091	1374	11.3%	16.8%	38.3
4/10/2020	570	(102)	-44.9%	-43.9%	27,469	378	11.7%	21.1%	47.5
4/17/2020	563	(7)	-44.0%	-46.3%	27,689	220	14.7%	21.7%	48.8
4/24/2020	537	(26)	-36.1%	-47.6%	26,337	(1352)	2.4%	16.0%	51.6
5/1/2020	598	61	-11.0%	-42.3%	25,612	(725)	-5.5%	14.0%	44.0
5/8/2020	617	19	8.2%	-41.3%	24,190	(1422)	-11.9%	8.7%	41.5
5/15/2020	663	46	17.8%	-38.1%	23,626	(564)	-14.7%	0.9%	36.5
5/22/2020	724	61	34.8%	-31.5%	23,176	(450)	-12.0%	2.4%	32.6
5/29/2020	765	41	27.9%	-26.7%	22,476	(700)	-12.2%	-0.3%	30.3
6/5/2020	837	72	35.7%	-23.6%	21,802	(674)	-9.9%	0.0%	26.9
6/12/2020	841	4	26.8%	-22.2%	21,346	(456)	-9.7%	-1.2%	25.9
6/19/2020	893	52	23.3%	-16.7%	21,034	(312)	-9.2%	-2.5%	23.9
6/26/2020	900	7	17.6%	-16.7%	20,164	(870)	-10.3%	-11.7%	23.4
7/3/2020	914	14	9.2%	-12.7%	20,620	456	-5.4%	-10.4%	22.1
7/10/2020	931	17	10.7%	-12.7%	20,608	(12)	-3.5%	-11.8%	22.1
7/17/2020	908	(23)	1.7%	-12.6%	19,801	(807)	-5.9%	-16.4%	22.7
7/24/2020	958	50	6.4%	-7.1%	20,272	471	0.5%	-17.1%	20.7
7/31/2020	931	(27)	1.9%	-10.5%	20,346	74	-1.3%	-12.0%	21.8
8/7/2020	918	(13)	-1.4%	-12.2%	19,750	(596)	-4.2%	-17.3%	22.2
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9/11/2020	926	(15)	0.0%	-7.7%	19,798	(195)	-2.3%	-14.8%	21.6

4-week average change: 0

4-week average change: -118

US Weekly Ethanol Production and Stocks

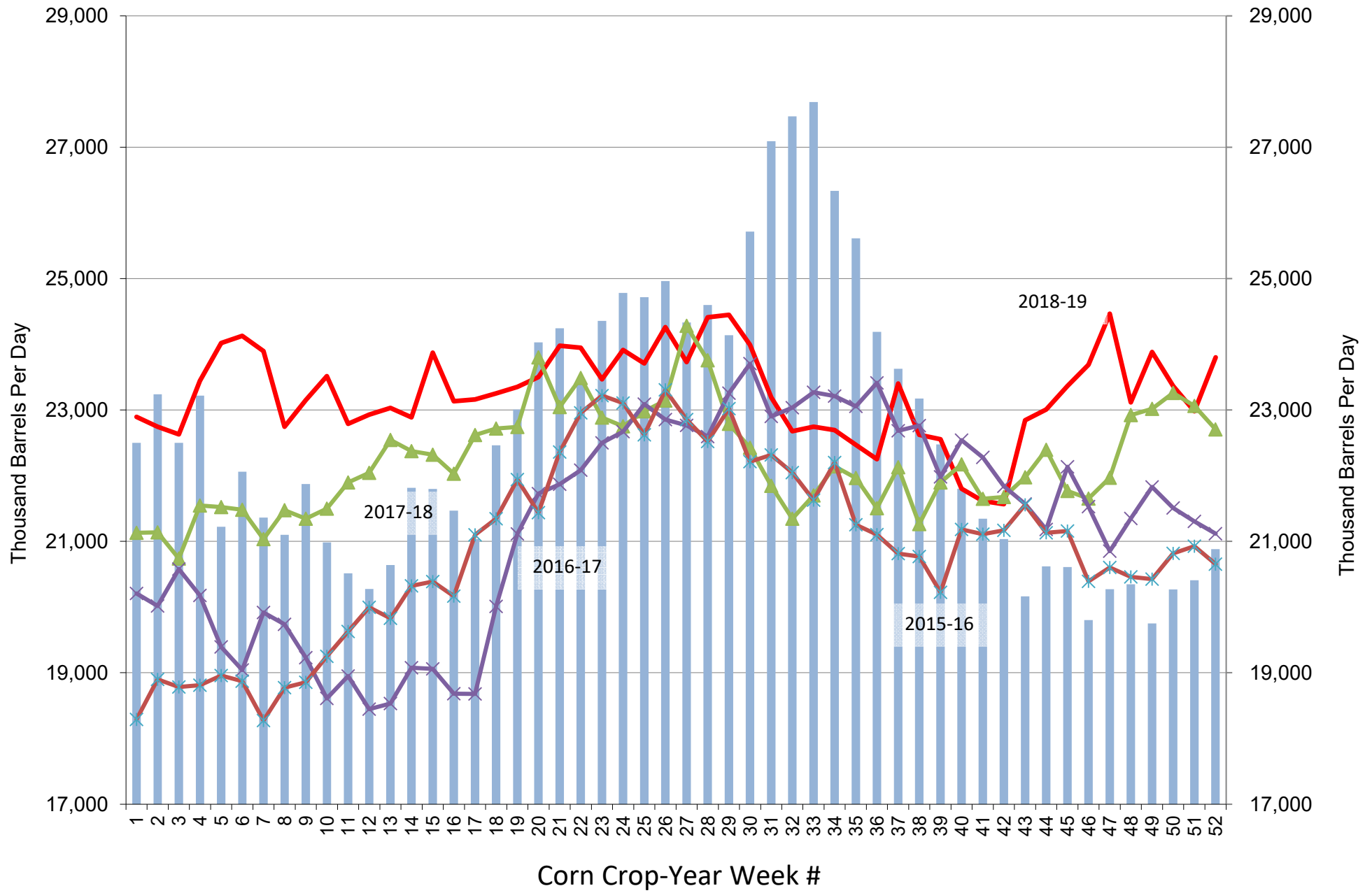


Source: EIA & FI

Stocks (1000bd)

Production (1000bd)

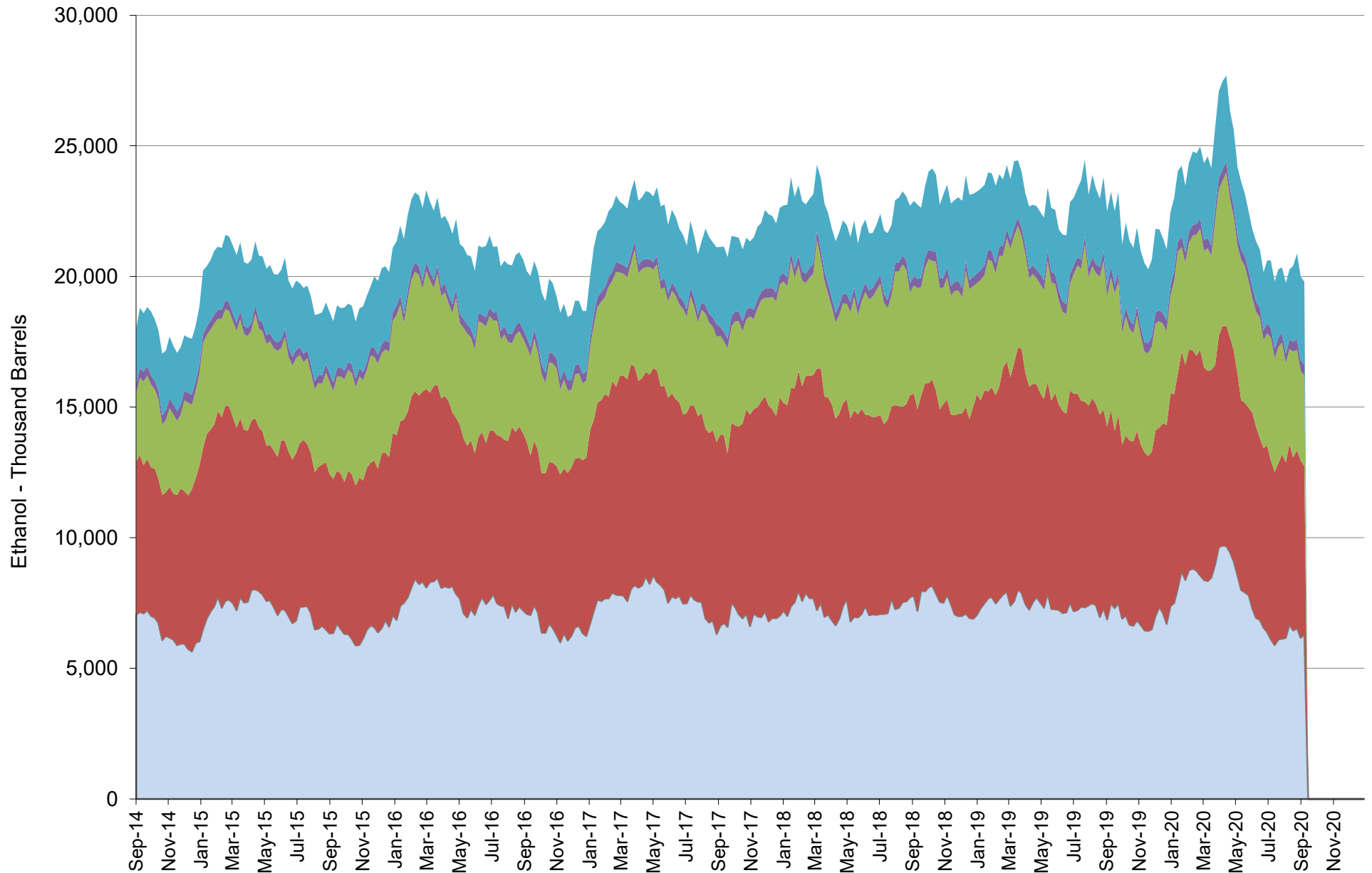
US Weekly Ethanol Stocks (corn crop year)



Source: EIA & FI

9/16/2020

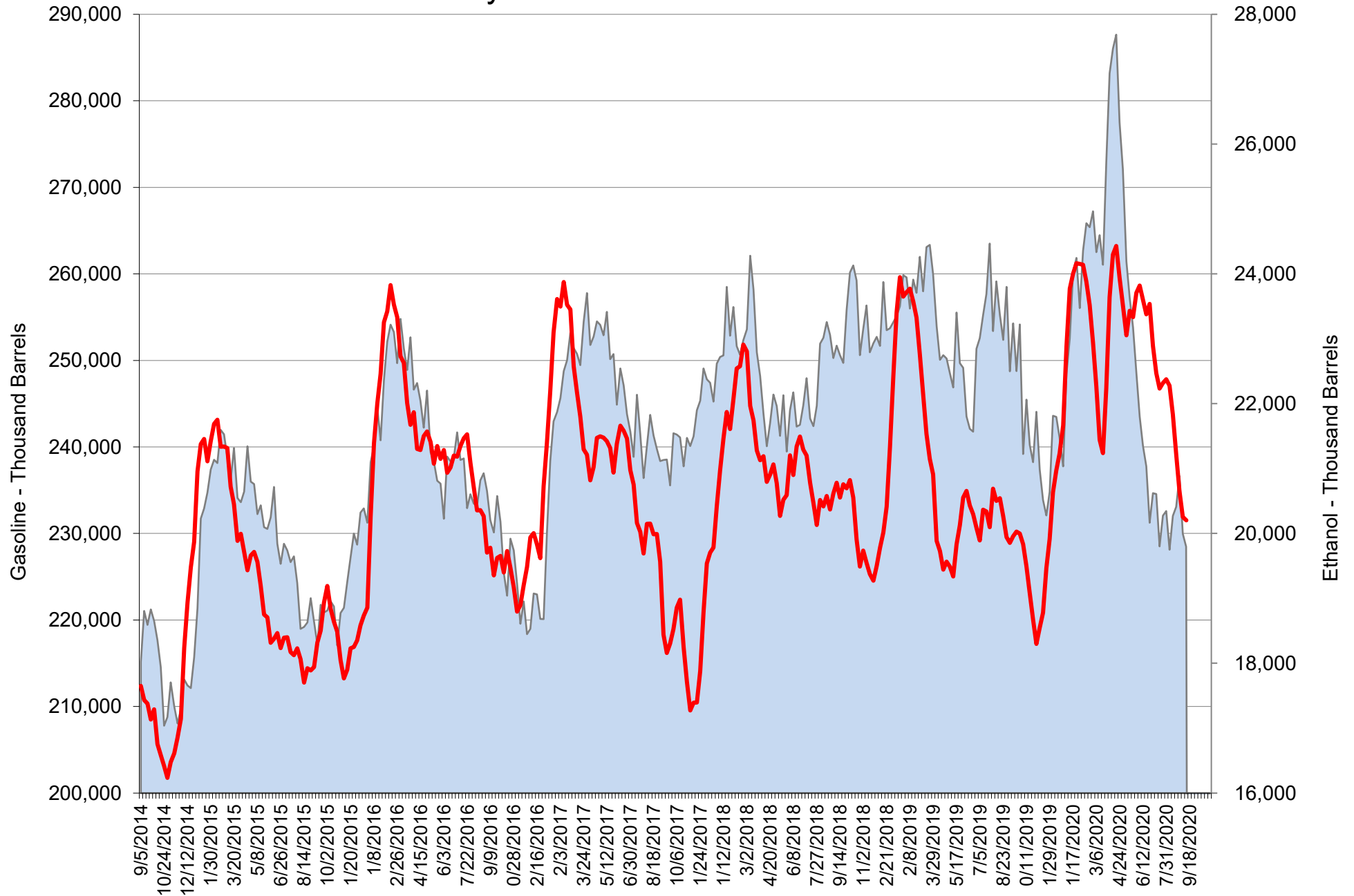
US Weekly Ethanol Stocks by PADD



Source: EIA & FI

■ PADD1 ■ PADD2 ■ PADD3 ■ PADD4 ■ PADD5

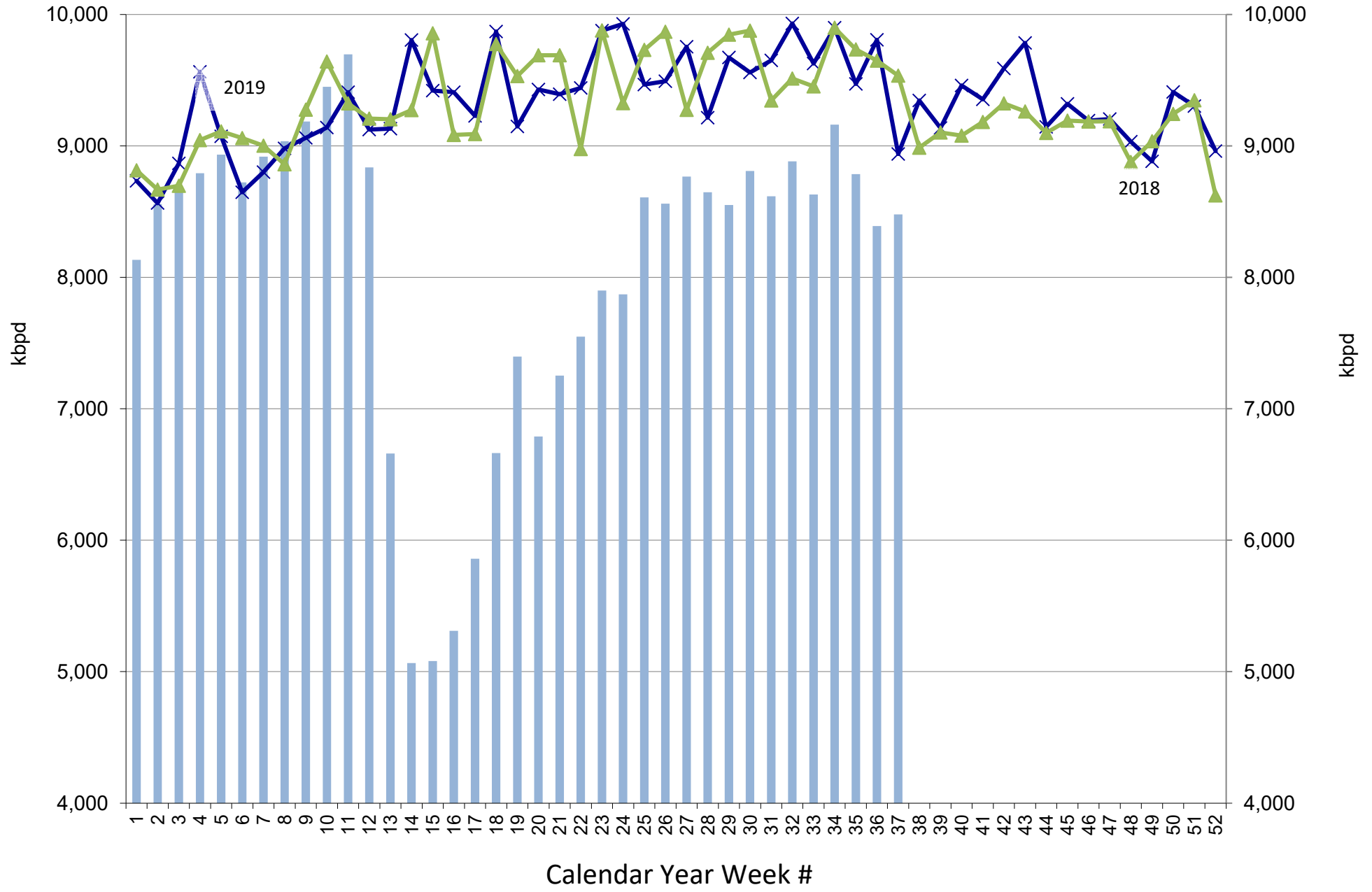
US Weekly Gasoline and Ethanol Stocks



Source: EIA & FI

Stocks (1000bd) US Gasoline Ending Stocks (thousand barrels)

US Weekly Gasoline Product Supplied



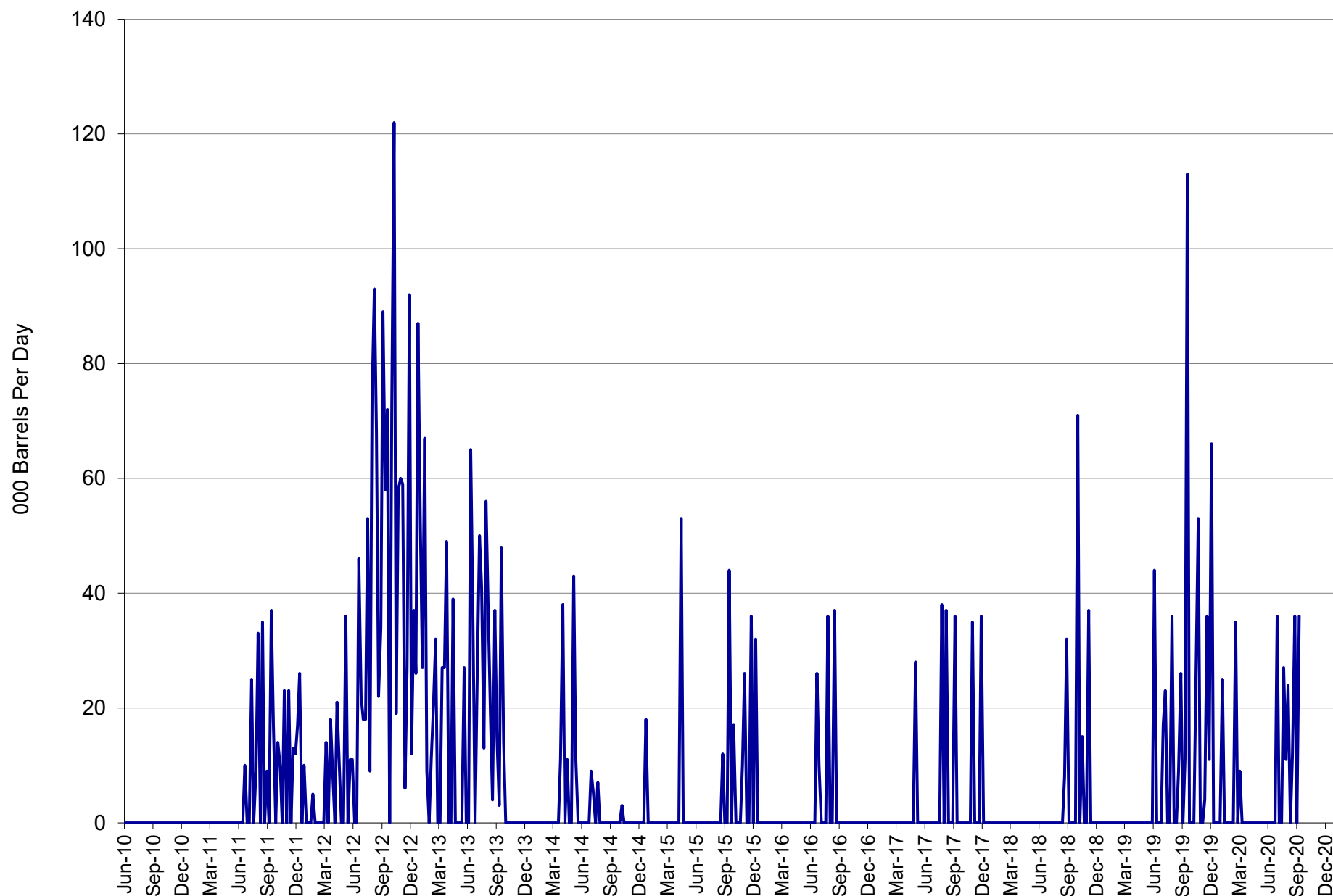
Source: EIA & FI

Gasoline Product Supplied (kbpd)

2019

2018

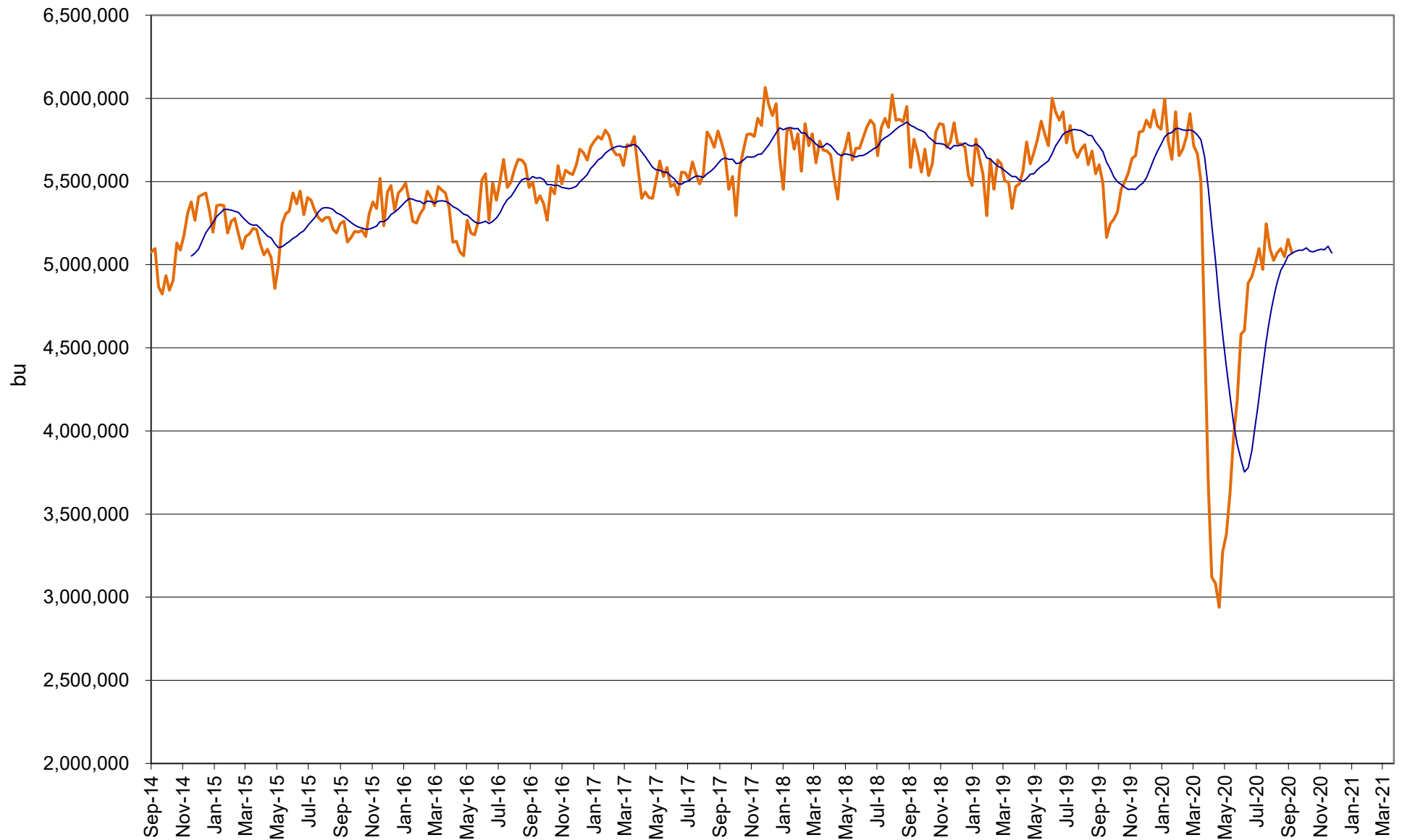
US Weekly Ethanol Imports



Source: EIA & FI

— Imports (BPD)

US Annualized Implied Corn Use

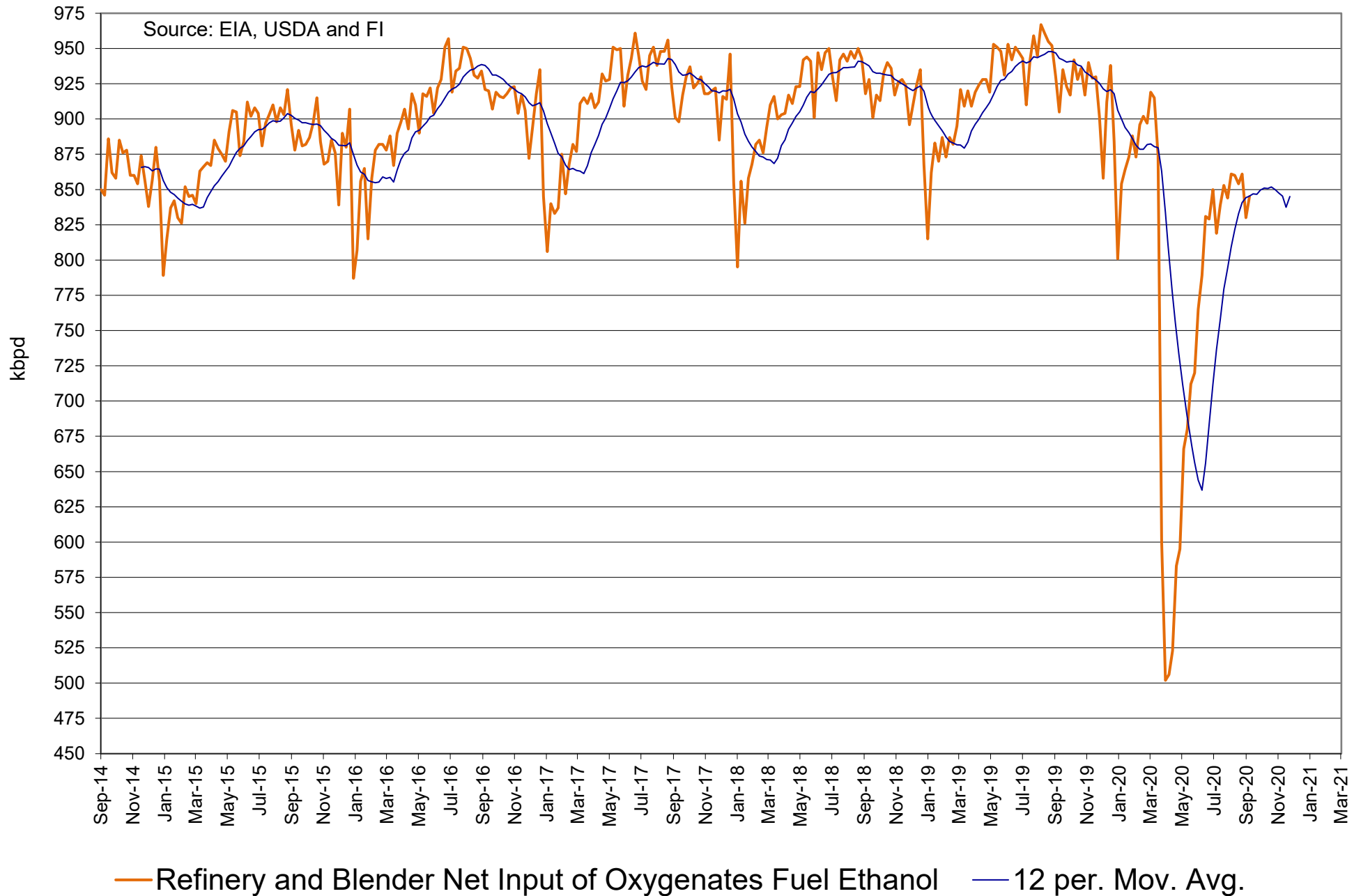


Source: EIA, USDA and FI

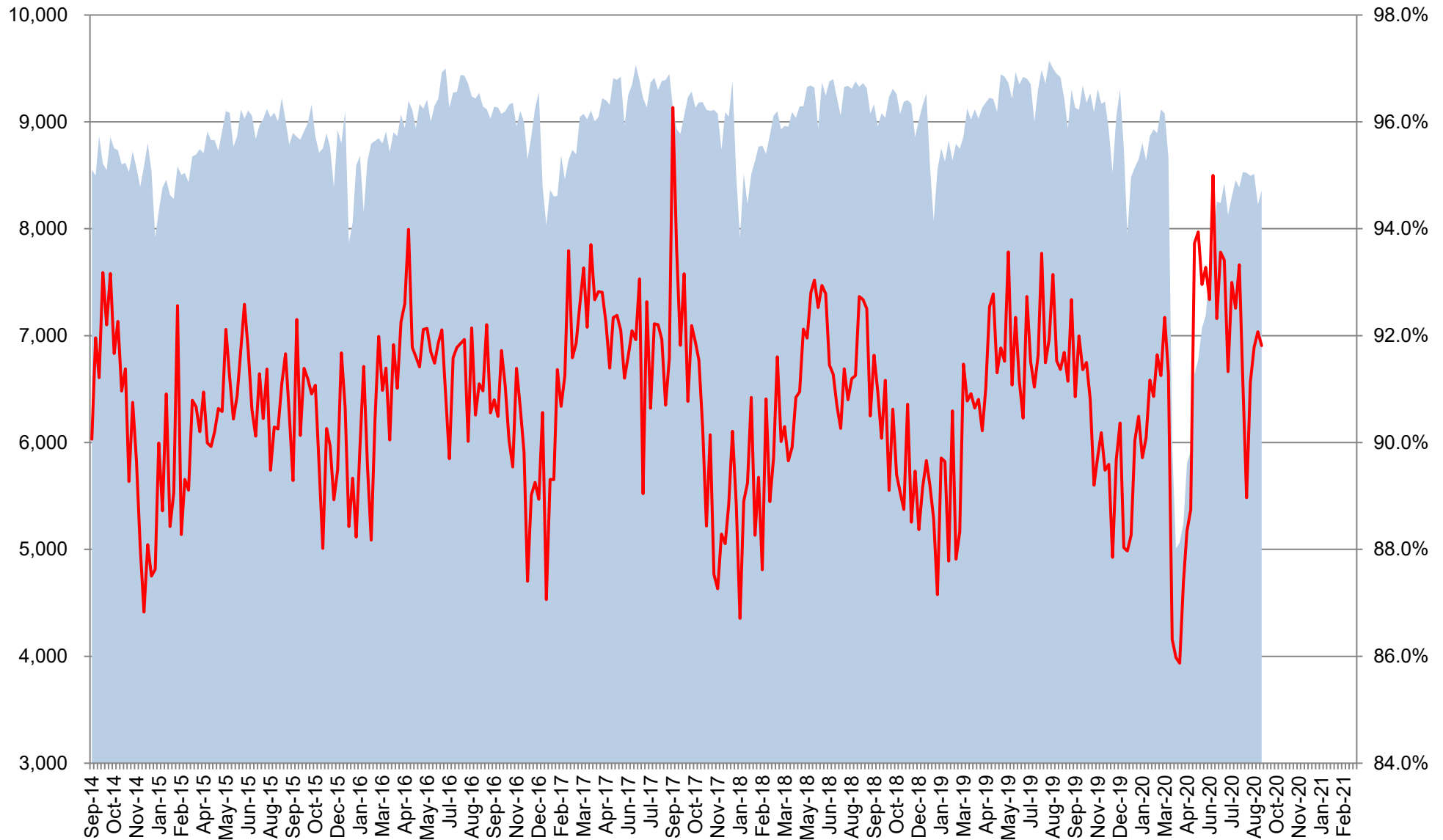
— US

— 12 per. Mov. Avg. (US)

Refinery and Blender Net Input of Oxygenates Fuel Ethanol



US Net Blender Input of Fuel Ethanol and % Blend of Net Production of Finished Motor Gasoline

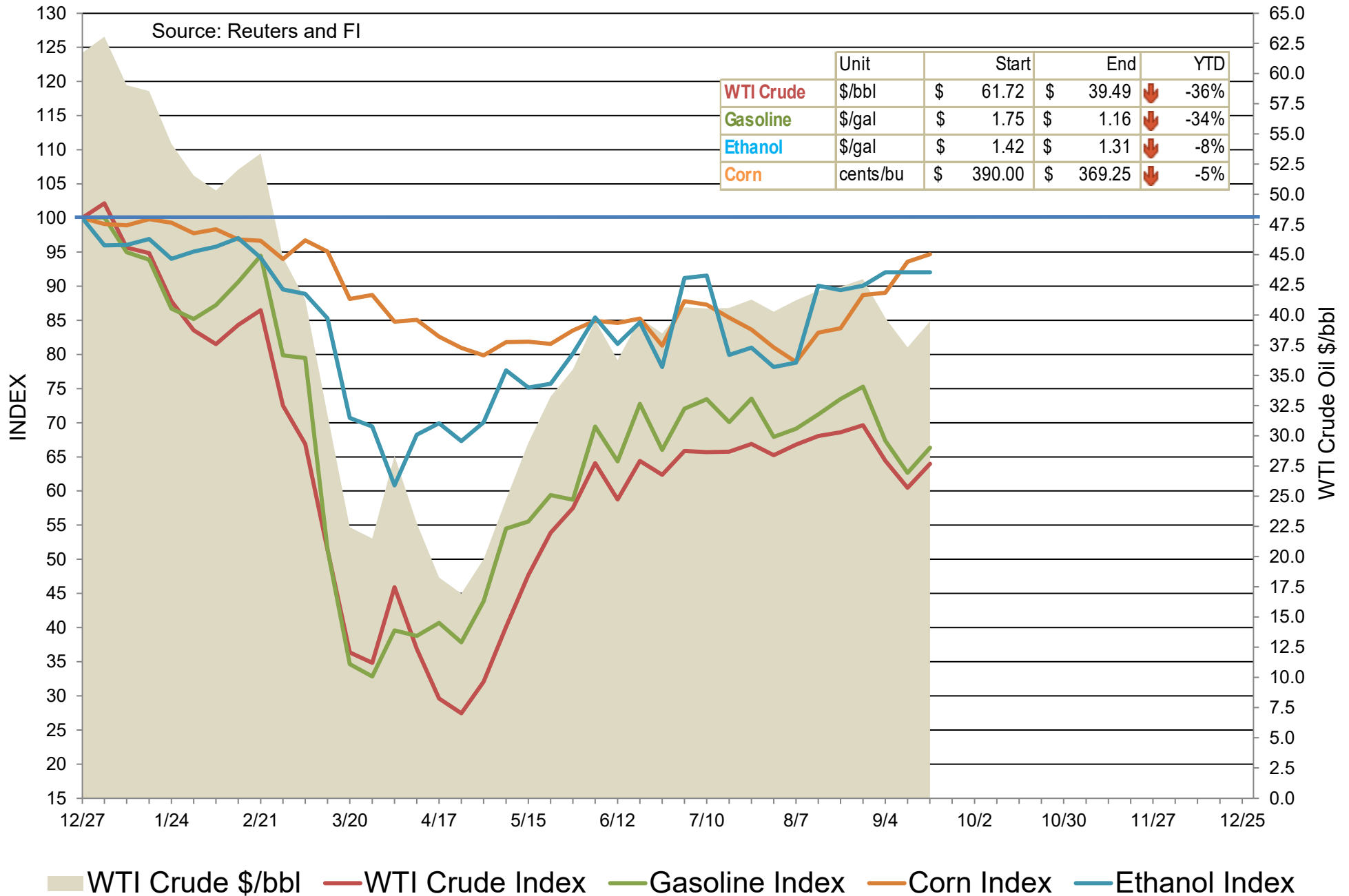


Source: EIA, USDA and FI

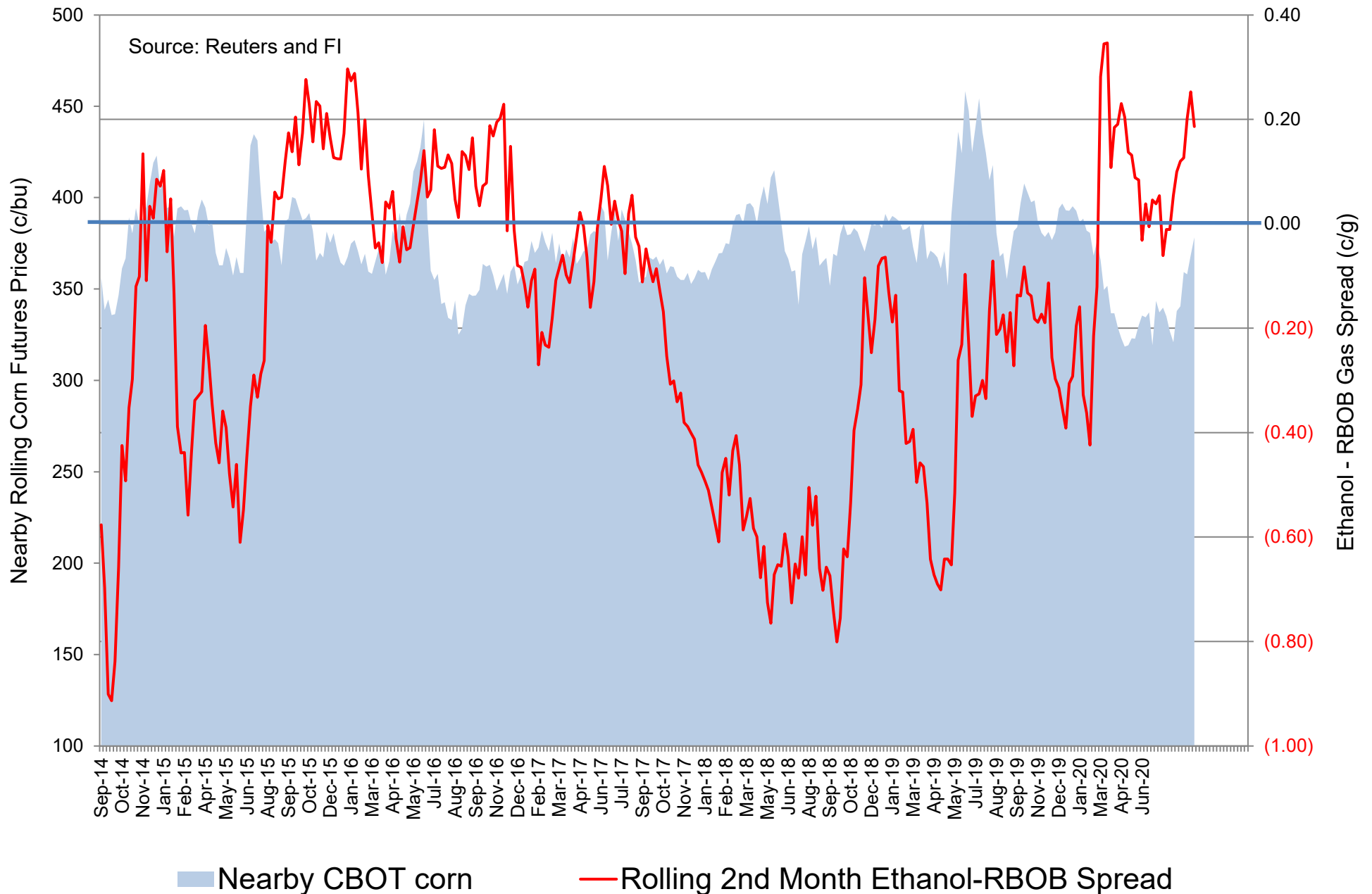
■ Total Blend Etoh

— Etoh Blend %

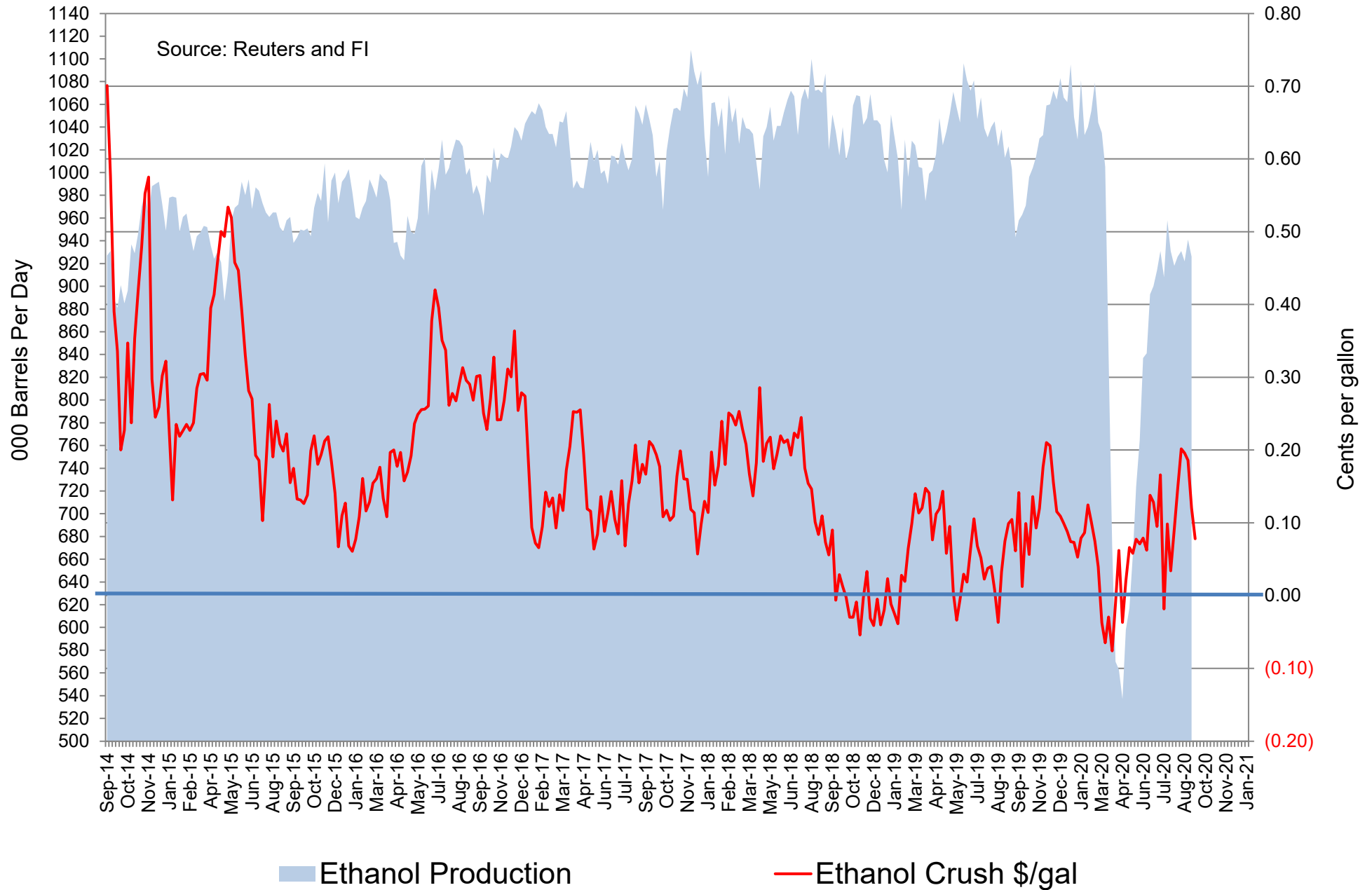
Indexed Commodity Prices Starting January 2020 versus WTI Crude Nearby Futures



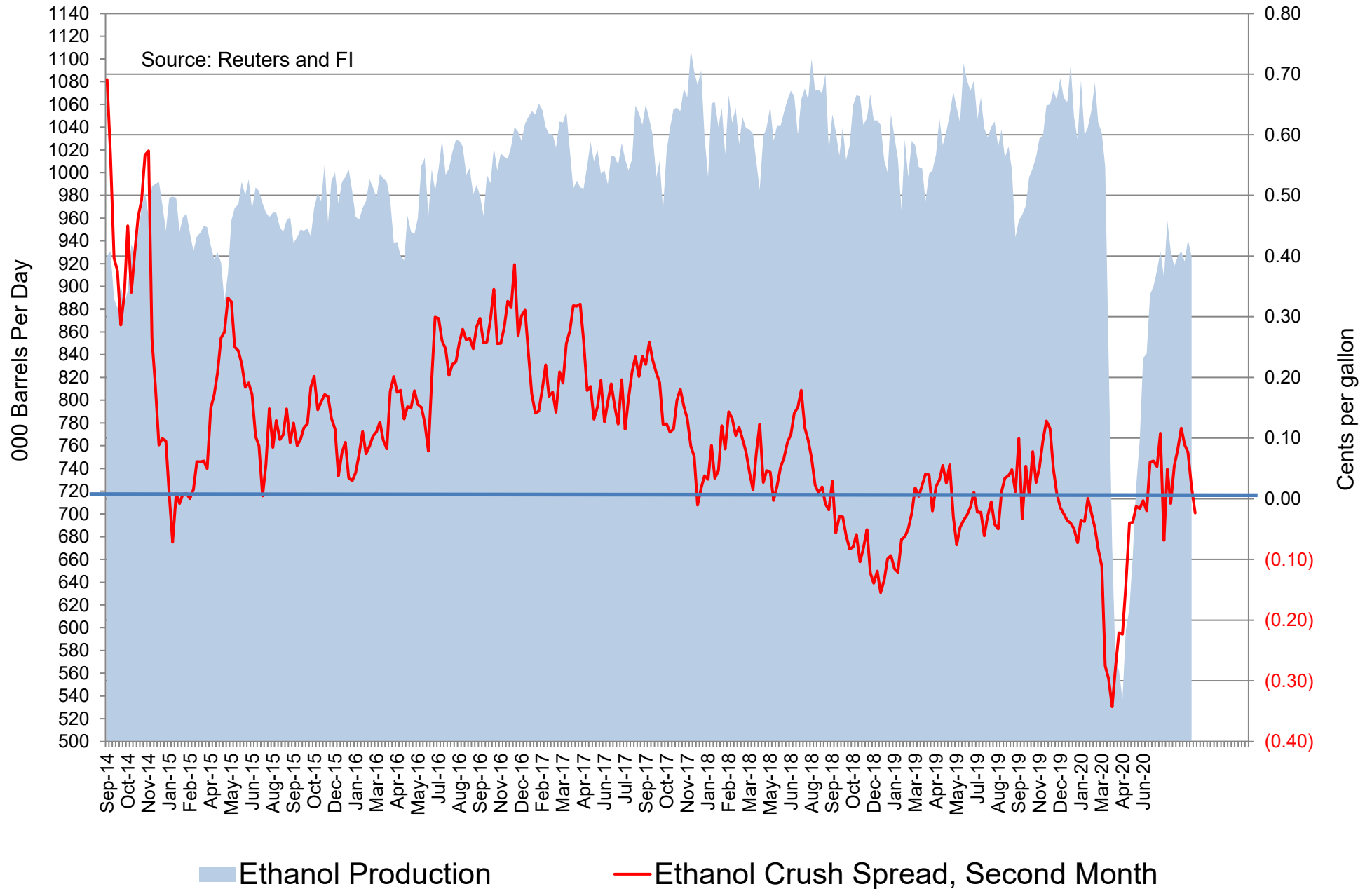
CBOT Second Month Corn Futures versus Second Month Ethanol - RBOB Futures Spread



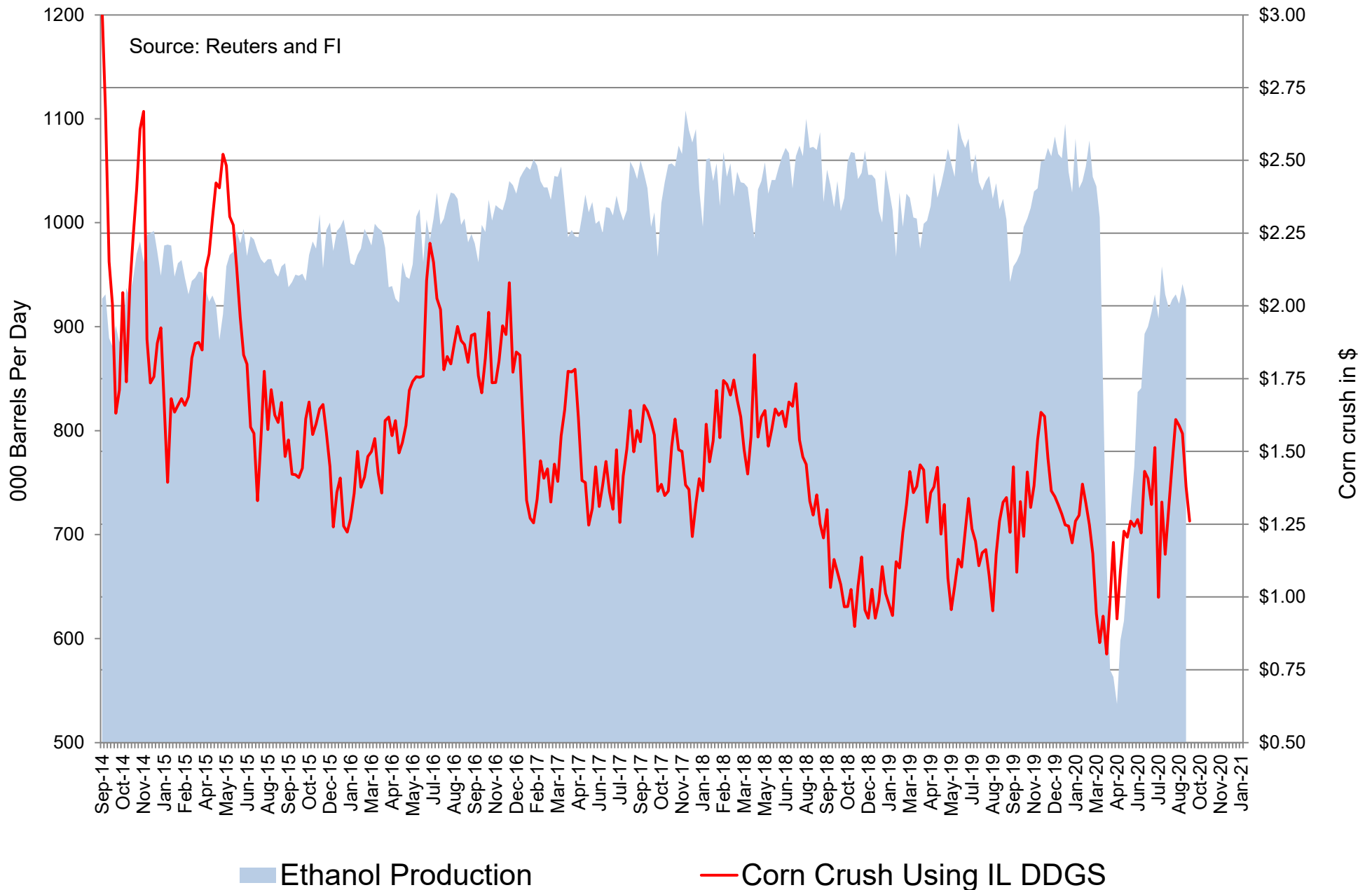
CBOT Second Month Corn Crush Spread versus Weekly Ethanol Production (uses Chicago ethanol and IL DDGS w/ implied costs)



Chicago Platts Second Month Corn Crush Spread versus Weekly Ethanol Production (Straight Calculation)



CBOT Second Month Corn Crush Spread with IL DDGS versus Weekly Ethanol Production (straight 3-commodity calculation)



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