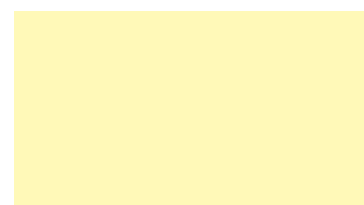
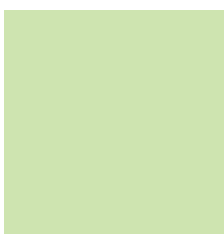
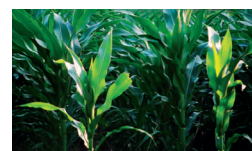
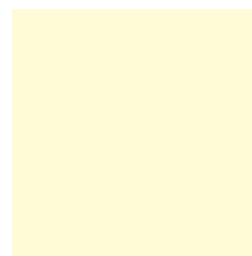


# WORLD OF CORN 2015





## A Letter from NCGA

America's corn farmers worked tirelessly in 2014 to grow a record crop. The unparalleled abundance has positive implications for every American. From a driver filling up a car to a shopper buying wholesome, nutritious food for a family, the incredible innovation in American agriculture improves lives across the country. Corn, a uniquely American crop, plays an important role in furthering our country's success. As you turn these pages, you too can find out more about how the World of Corn can improve your life in countless ways.



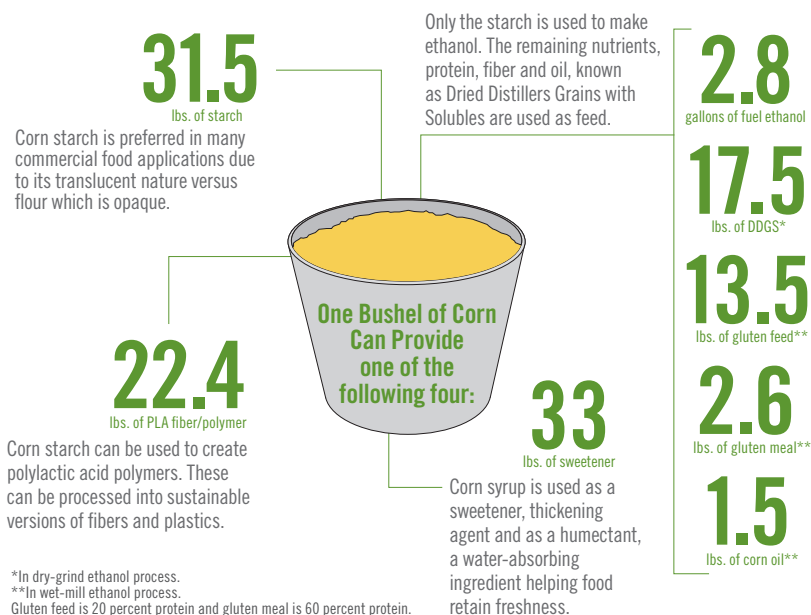
Chip Bowling  
President



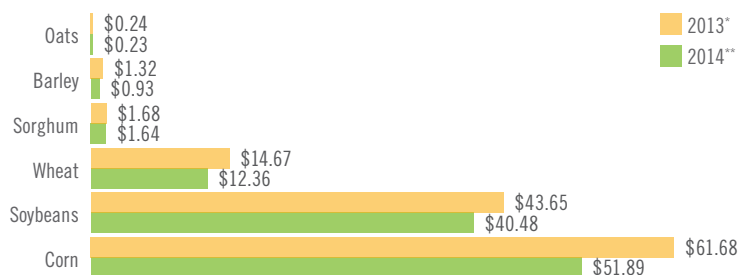
Chris Novak  
CEO



## World of Corn



### U.S. Select Crop Value (\$ billion)

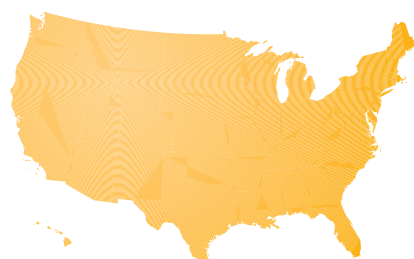


Data Source: USDA, WASDE Jan. 12, 2015

\*estimate

\*\*projections

### U.S. Corn at a Glance 2014



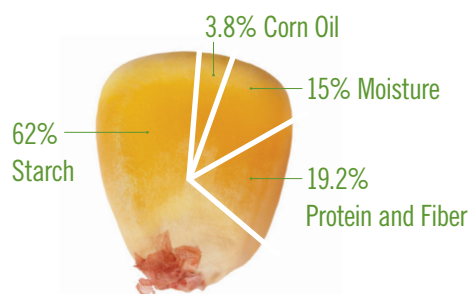
90.6 Million Acres Planted  
83.1 Million Acres Harvested  
14.2 Billion Bushels Produced  
\$51.9 Billion Corn Crop Value  
\$3.65 Average Price/Bushel

### U.S. All Crop Acres Harvested 2013-2014 (1,000 acre)

	2013	2014
Corn (grain)	87,451	83,136
Corn (silage)	6,281	6,371
Soybeans	76,253	83,061
Hay	57,897	57,092
Wheat	45,332	46,381
Cotton	7,544	9,707
Sorghum (grain)	6,585	6,401
Sorghum (silage)	380	315
Rice	2,469	2,919
Barley	3,040	2,443
Dry Edible Beans	1,316	1,666
Canola	1,264	1,556
Sunflower	1,465	1,508
Peanuts	1,043	1,325
Sugar Beets	1,154	1,147
Potatoes	1,051	1,050
Oats	1,009	1,029
Dry Edible Peas	797	900
Sugar Cane	911	874
Proso Millet	638	430
Tobacco	356	378
Flaxseed	172	302
Lentils	347	259
Rye	278	258
Safflower	171	170
Sweet Potatoes	113	135
Peppermint	68	63
Hops	35	38
Mustard Seed	43	31
Other	49	52
<b>Total</b>	<b>305,512</b>	<b>310,996</b>

Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

### Components of Yellow Dent Corn



Source: Corn Chemistry and Technology, 1999





# U.S. Corn Production

## 2014 U.S. Corn Production by State

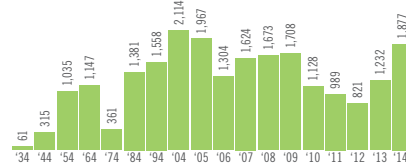
	Acres Planted (1,000s)	Acres Harvested for Grain (1,000s)	Average Yield bushel/acre	Total Production 1,000 bushels
AL	300	285	159	45,315
AR	540	530	187	99,110
AZ	75	28	210	5,880
CA	520	95	165	15,675
CO	1,150	1,010	146	147,460
CT	26	0	0	0
DE	175	168	200	33,600
FL	75	40	135	5,400
GA	350	310	170	52,700
IA	13,700	13,300	178	2,367,400
ID	320	80	200	16,000
IL	11,900	11,750	200	2,350,000
IN	5,900	5,770	188	1,084,760
KS	4,050	3,800	149	566,200
KY	1,520	1,430	158	225,940
LA	400	390	183	71,370
MA	16	0	0	0
MD	500	430	175	75,250
ME	31	0	0	0
MI	2,550	2,210	161	355,810
MN	8,200	7,550	156	1,177,800
MO	3,500	3,380	186	628,680
MS	510	485	185	89,725
MT	130	75	100	7,500
NC	840	780	132	102,960
ND	2,800	2,530	124	313,720
NE	9,300	8,950	179	1,602,050
NH	15	0	0	0
NJ	85	79	157	12,403
NM	125	48	195	9,360
NV	4	0	0	0
NY	1,140	680	148	100,640
OH	3,700	3,470	176	610,720
OK	320	290	147	42,630
OR	80	39	190	7,410
PA	1,460	1,030	154	158,620
RI	2	0	0	0
SC	295	280	117	32,760
SD	5,800	5,320	148	787,360
TN	920	840	168	141,120
TX	2,250	1,990	148	294,520
UT	75	28	160	4,480
VA	500	350	145	50,750
VT	92	0	0	0
WA	215	110	215	23,650
WI	4,000	3,110	156	485,160
WV	51	36	149	5,364
WY	90	60	138	8,280
U.S.	90,597	83,136	171	14,215,530

Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

## Historical Corn Performance, 1934-2014

### U.S. Corn Ending Stocks 1934-2014

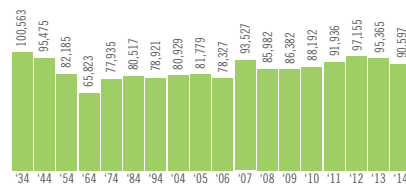
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015  
\*Crop Year Ending Aug. 31, 2015

### U.S. Corn Acres Planted 1934-2014

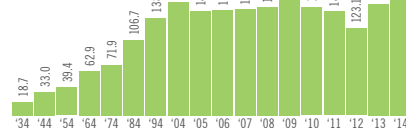
(1,000 acre)



Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

### U.S. Average Corn Yield 1934-2014

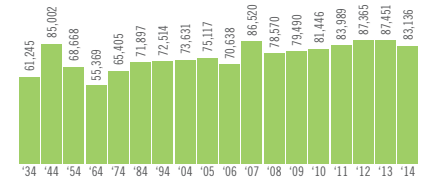
(bushels/acre)



Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

### U.S. Corn Acres Harvested 1934-2014

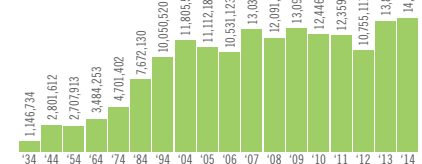
(1,000 acre)



Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

### U.S. Corn Production 1934-2014

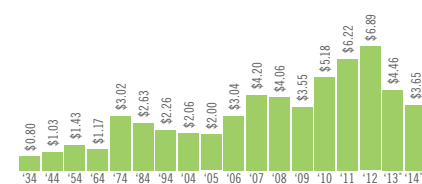
(1,000 bu)



Source: USDA, NASS, Crop Production 2014 Summary, Jan. 12, 2015

### U.S. Corn Prices 1934-2014

(\$/bu)



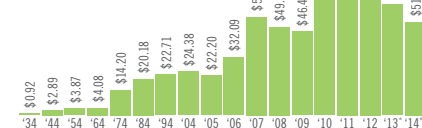
Source: USDA, WAOB, WASDE, Jan. 12, 2015

\*estimated

\*\*projected for crop year Sept. 2014 – Aug. 2015

### U.S. Corn Crop Value 1934-2014

(\$ billion)



Source: USDA, WASDE, Jan. 12, 2015

\* estimate

\*\*projections

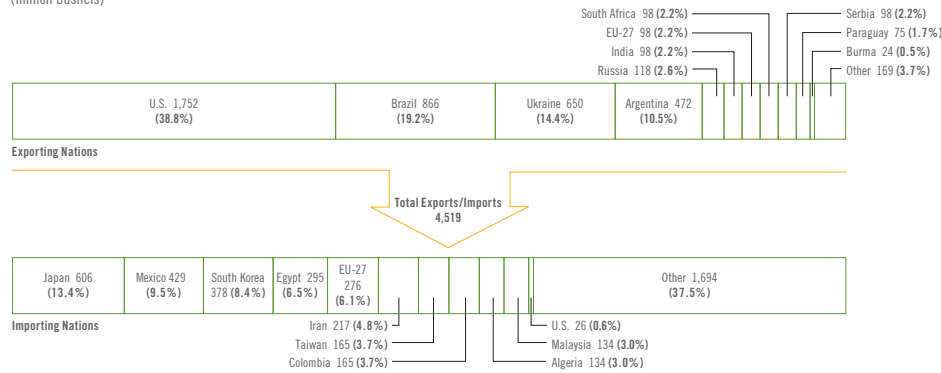




# Global Corn Production

## World Corn Exports/Imports 2014-2015\*

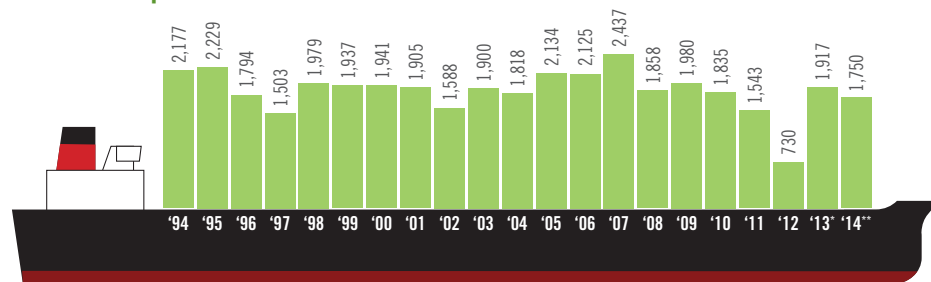
(million bushels)



Source: USDA, FAS Grain: World Markets and Trade, Jan. 12, 2015

\*Marketing Year Oct. 1, 2014 – Sept. 30, 2015

## U.S. Corn Exports 1994-2014

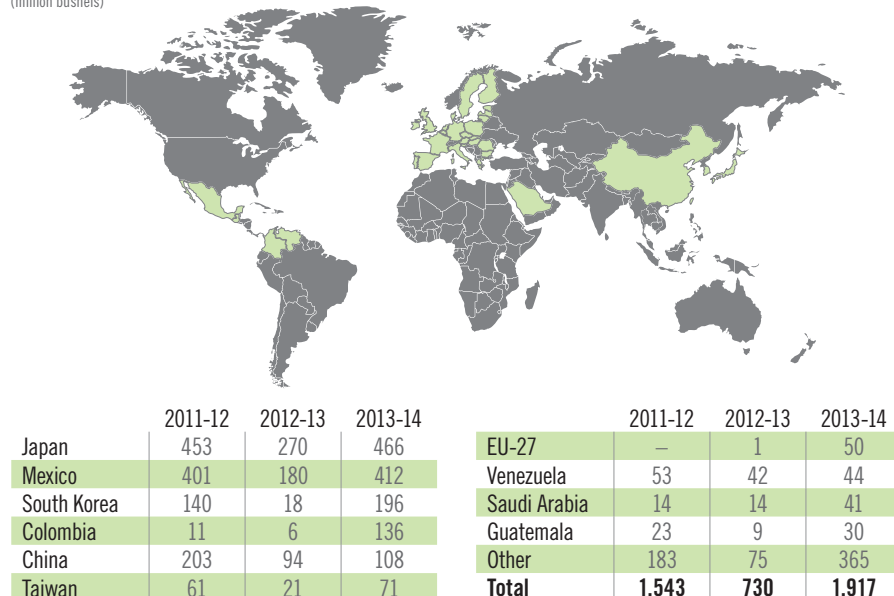


Source: USDA, WAOB, WASDE, Jan. 12, 2015

\*estimate  
\*\*projections

## U.S. Corn Exports/Leading Markets 2011-2014

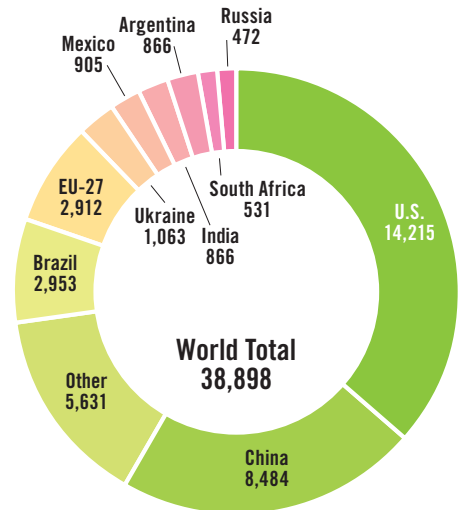
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 14, 2015

## World Corn Production 2014-2015\*

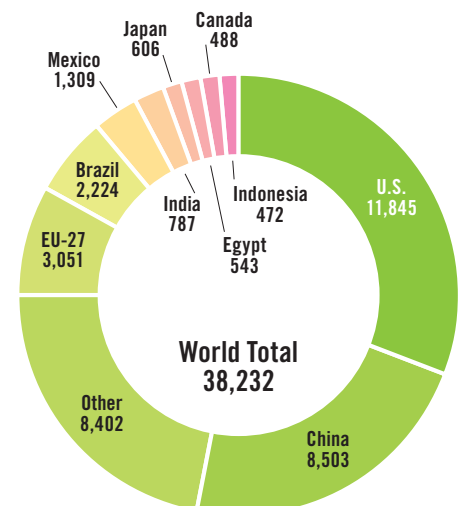
(million bushels)



Source: USDA, FAS Grain: World Markets and Trade, Jan. 12, 2015  
\*Marketing Year Oct. 1, 2014 – Sept. 30, 2015

## World Corn Consumption 2014-2015\*

(million bushels)



Source: USDA, FAS Grain: World Markets and Trade, Jan. 12, 2015  
\*Marketing Year Oct. 1, 2014 – Sept. 30, 2015

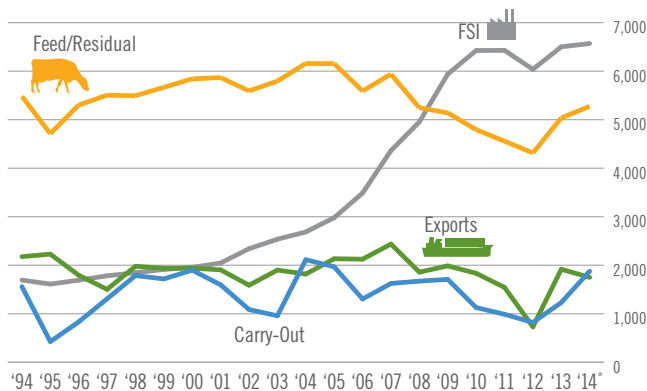


# Corn Consumption Overview

## Corn Processed by Segment

1994-2014

(million bushels)

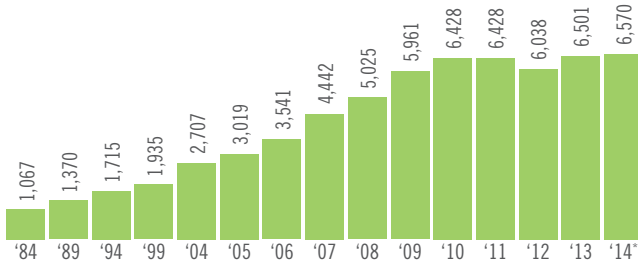


Source: USDA, ERS Feed Outlook  
\*projection

## Food/Seed/Industrial Usage

1984-2014

(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015  
\*Crop Year Ending Aug. 31, 2015

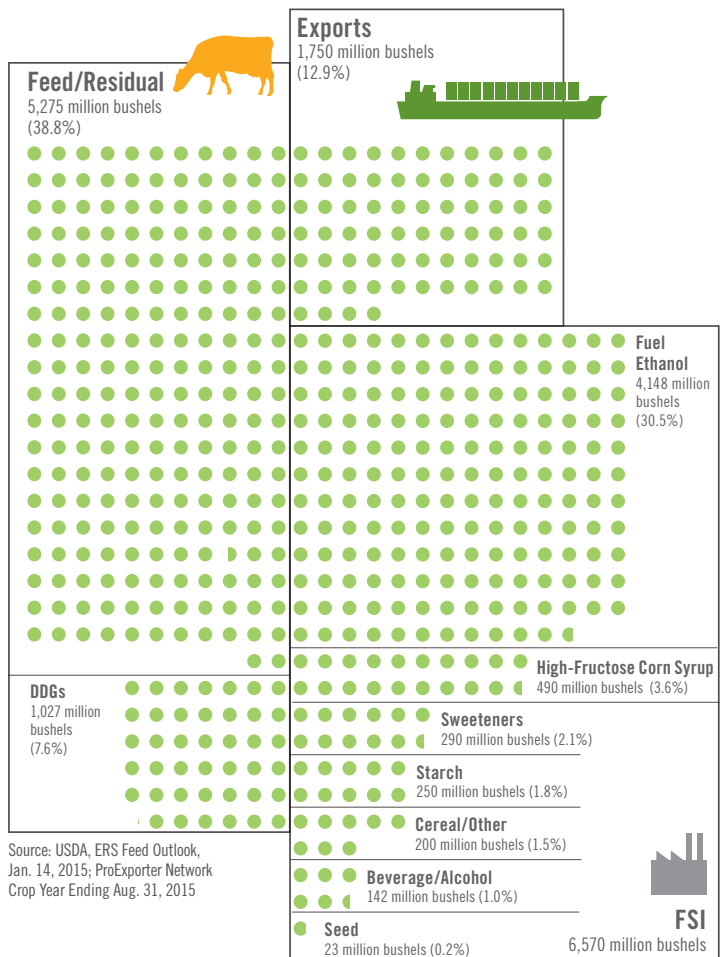
## Corn Usage by Segment

2014

(million bushels)

Total Usage 13,595 million bushels

● = 25 million bushels



Source: USDA, ERS Feed Outlook, Jan. 14, 2015; ProExporter Network  
Crop Year Ending Aug. 31, 2015

## THINGS YOU MAY NOT REALIZE ARE MADE WITH CORN

paints  
candles  
fireworks  
drywall

plastics  
adhesives  
antibiotics  
textiles

soaps  
shoe polish  
sandpaper  
dyes

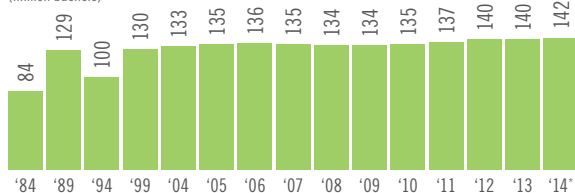
rubber tires  
carpeting  
fiberglass



# Corn Consumption Food & Feed

## Beverages and Manufacturing Alcohol 1984-2014

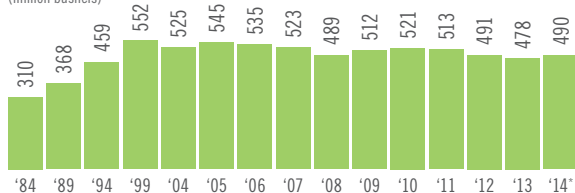
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015 \*Crop Year Ending Aug. 31, 2015

## High-Fructose Corn Syrup Usage 1984-2014

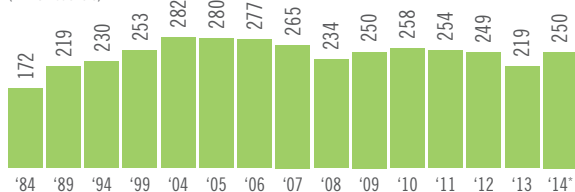
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015 \*Crop Year Ending Aug. 31, 2015

## Starch Usage 1984-2014

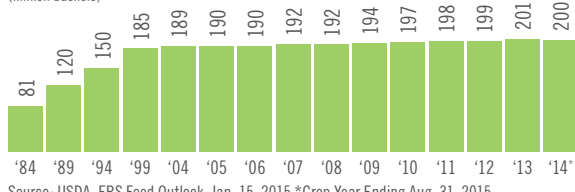
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015 \*Crop Year Ending Aug. 31, 2015

## Cereal and Food 1984-2014

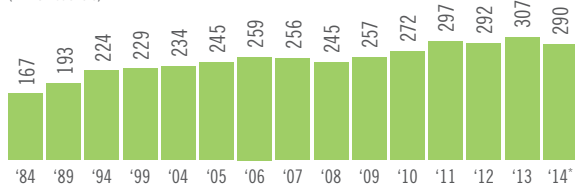
(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015 \*Crop Year Ending Aug. 31, 2015

## Sweetener Usage 1984-2014

(million bushels)



Source: USDA, ERS Feed Outlook, Jan. 15, 2015 \*Crop Year Ending Aug. 31, 2015

## Corn Displaced by DDG/CGF in Domestic Livestock Rations 2004-2014

(million bushels)

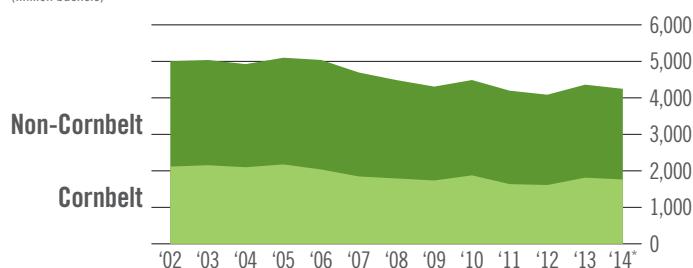


Source: ProExporter Network, Crop Year Ending Aug. 31, 2015

\*projections

## U.S. Corn Fed by Region 2004-2014

(million bushels)

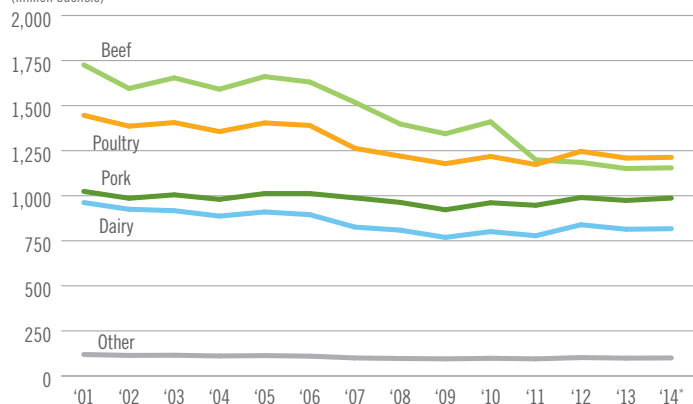


Source: ProExporter Network, Crop Year Ending Aug. 31, 2015

\* projections

## Corn Fed by Species 2001-2014

(million bushels)



Source: ProExporter Network, Crop Year Ending Aug. 31, 2015

\*projections

beef



poultry



pork

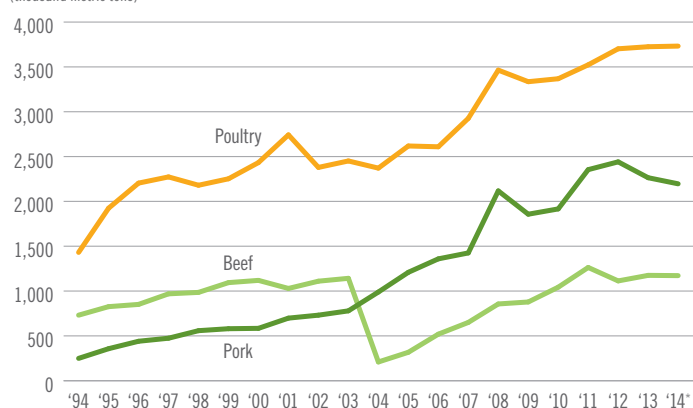


dairy



## U.S. Meat Exports by Animal Group 1994-2014

(thousand metric tons)



Source: PRX; USDA, WAOB, WASDE, Jan. 2015

\* Calendar Year Estimates



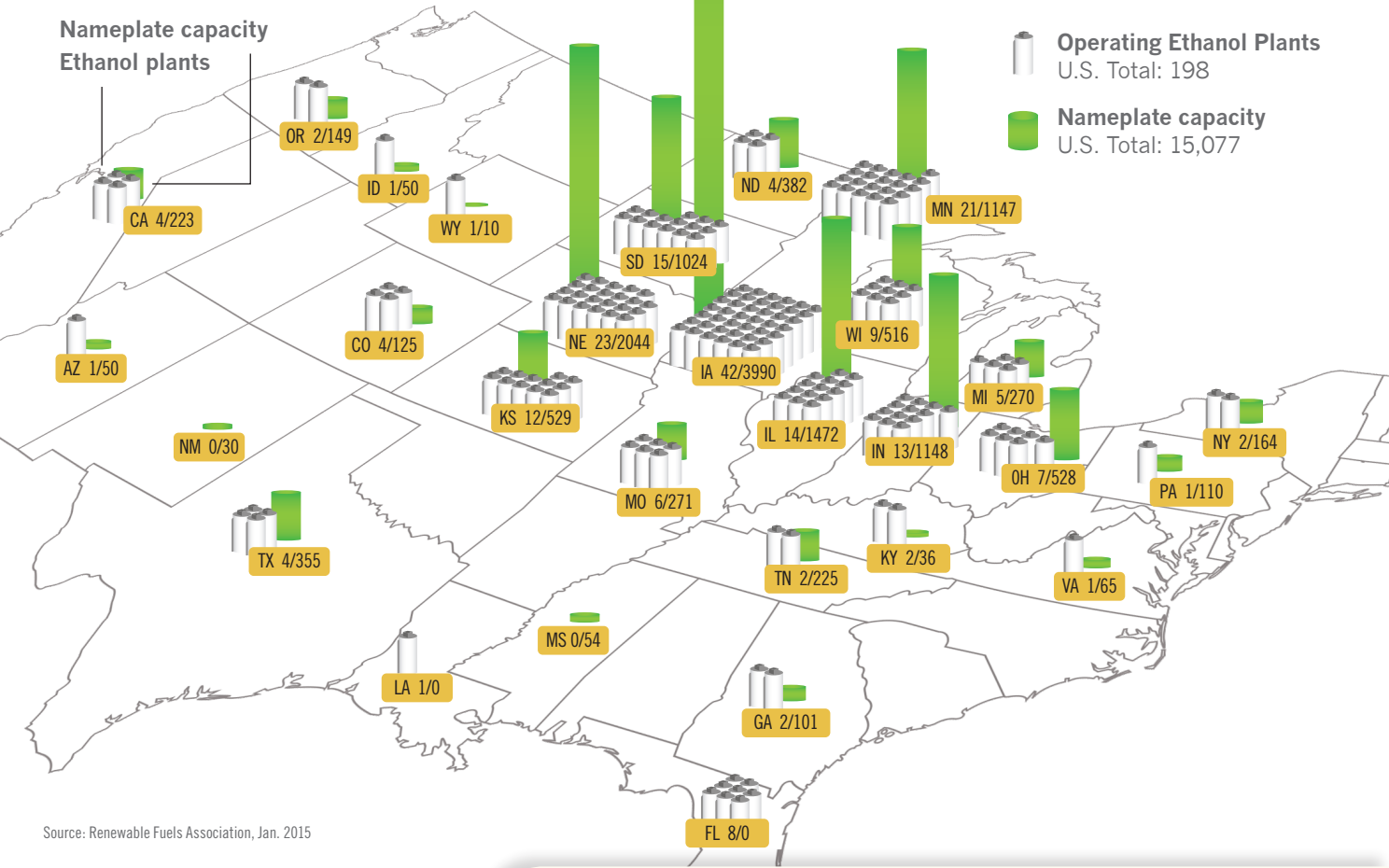


# Corn Consumption Ethanol

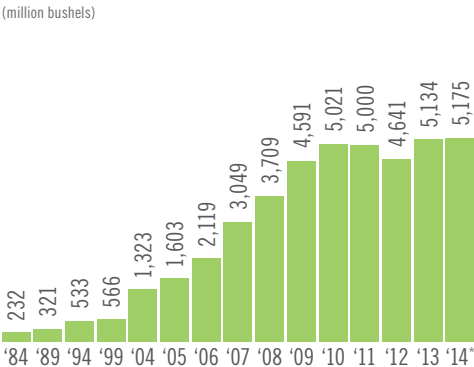
## U.S. Ethanol Production Facilities

Ethanol is a powerful force in realizing a reduction in our dependence on crude oil. Thanks to ethanol, plant-based biofuel is the fastest-growing renewable energy technology.

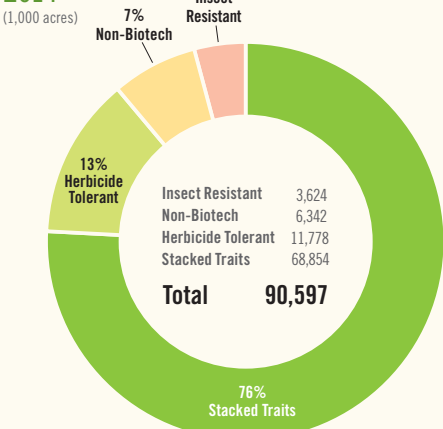
“The U.S. Department of Energy estimates for every one billion gallons of ethanol produced, 10,000 to 20,000 jobs are added to our domestic economy.”



## Corn Used for Ethanol and DDG Production 1984-2014



## Biotech Share of U.S. Corn Acres Planted 2014



## Percentage of Biotech Acreage 2012-2014

Year	Insect Resistant			Herbicide Tolerant			Stacked Traits			All Biotech Hybrids		
	'12	'13	'14	'12	'13	'14	'12	'13	'14	'12	'13	'14
IA	12	5	4	15	14	8	64	72	83	91	91	95
IL	14	4	3	18	7	5	53	78	83	85	89	91
IN	9	2	2	15	10	8	60	73	78	84	85	88
KS	20	7	5	19	15	18	51	69	72	90	91	95
MI	8	4	2	26	15	15	52	71	76	86	90	93
MN	19	3	2	22	10	10	47	78	81	88	91	93
MO	18	5	4	20	16	10	48	71	79	86	92	93
ND	17	5	6	36	20	22	43	69	68	96	94	96
NE	16	6	4	20	13	15	55	74	77	91	93	96
OH	13	6	3	20	16	14	43	63	69	76	85	86
SD	9	2	3	23	12	14	62	82	80	94	96	97
TX	20	16	12	21	20	17	44	53	62	85	89	91
WI	10	3	3	23	18	17	53	63	72	86	84	92
Other	18	6	6	26	21	19	41	61	66	85	88	91
Total	15	5	4	21	14	13	52	71	76	88	90	93

Source: USDA, NASS, Acreage June 30, 2014



# Organizations

## CORN PROCESSING

Corn Refiners Association  
(202) 331-1634  
[www.corn.org](http://www.corn.org)

North American  
Millers' Association  
(202) 484-2200  
[www.namamillers.org](http://www.namamillers.org)

## CORN INPUT

American Seed  
Trade Association  
(703) 837-8140  
[www.amseed.com](http://www.amseed.com)

CropLife America  
(202) 296-1585  
[www.croplifeamerica.org](http://www.croplifeamerica.org)

The Fertilizer Institute  
(202) 962-0490  
[www.tfi.org](http://www.tfi.org)

## CORN EXPORTS

U.S. Grains Council  
(202) 789-0789  
[www.grains.org](http://www.grains.org)

## FOOD AND SNACK CORN

Popcorn Board  
(312) 644-6610  
[www.popcorn.org](http://www.popcorn.org)

Snack Food Association  
(703) 836-4500  
[www.sfa.org](http://www.sfa.org)

## CORN FUTURES

CME Group  
(312) 930-1000  
[www.cmegroup.com](http://www.cmegroup.com)

## RENEWABLE FUELS

American Coalition for Ethanol  
(605) 334-3381  
[www.ethanol.org](http://www.ethanol.org)

Growth Energy  
(202) 545-4000  
[www.growthenergy.org](http://www.growthenergy.org)

Renewable Fuels Association  
(202) 289-3835  
[www.ethanolrfa.org](http://www.ethanolrfa.org)

## LIVESTOCK & FEED

American Feed  
Industry Association  
(703) 524-0810  
[www.afia.org](http://www.afia.org)

National Cattlemen's  
Beef Association  
(303) 694-0305  
[www.beef.org](http://www.beef.org)

National Grain &  
Feed Association  
(202) 289-0873  
[www.ngfa.org](http://www.ngfa.org)

National Pork Board  
(515) 223-2600  
[www.pork.org](http://www.pork.org)

National Pork  
Producers Council  
(202) 347-3600  
[www.nppc.org](http://www.nppc.org)

US Poultry & Egg Association  
(770) 493-9401  
[www.poultry.org](http://www.poultry.org)

## STATE ORGANIZATIONS

Alabama Soybean and Corn Growers  
Association  
(256) 882-3369  
Mark Hall, Executive Director  
[mark@alabamasoycorn.org](mailto:mark@alabamasoycorn.org)

Alabama Wheat and Feed  
Grain Producers  
(334) 613-4216  
Carla Moore Hornady, Director  
[chornady@alfafarmers.org](mailto:chornady@alfafarmers.org)

Arkansas Corn and Grain Sorghum  
Board  
(501) 228-1297  
Ethan Branscum,  
Executive Director  
[ethan.branscum@arfb.com](mailto:ethan.branscum@arfb.com)

Colorado Corn  
Growers Association  
Colorado Corn  
Administrative Committee  
(970) 351-8201  
Mark Sponsler, CEO  
[msponsler@coloradocorn.com](mailto:msponsler@coloradocorn.com)  
[www.coloradocorn.com](http://www.coloradocorn.com)

Georgia Agricultural  
Commodity Commission  
(404) 656-3678  
Andy Harrison,  
Agricultural Manager  
[andy.harrison@agr.georgia.gov](mailto:andy.harrison@agr.georgia.gov)

Georgia Corn Growers Association  
(229) 386-3006  
Dewey Lee, State Executive  
Coordinator  
[deweylee@uga.edu](mailto:deweylee@uga.edu)

Illinois Corn  
Growers Association  
(309) 557-3257  
Rodney Weinzierl,  
Executive Director  
[weinzierl@ilcorn.org](mailto:weinzierl@ilcorn.org)  
[www.ilcorn.org](http://www.ilcorn.org)

Illinois Corn Marketing Board  
(309) 827-0912  
Rodney Weinzierl,  
Executive Director  
[weinzierl@ilcorn.org](mailto:weinzierl@ilcorn.org)  
[www.ilcorn.org](http://www.ilcorn.org)

Indiana Corn  
Growers Association  
Indiana Corn Marketing Council  
(800) 735-0195  
(317) 347-3620  
Jane Ade Stevens,  
Executive Director  
[jadestevens@indianacorn.org](mailto:jadestevens@indianacorn.org)  
[www.incorn.org](http://www.incorn.org)

Iowa Corn Growers Association  
Iowa Corn Promotion Board  
(515) 225-9242  
Craig Floss, Chief  
Executive Officer  
[cfloss@iowacorn.org](mailto:cfloss@iowacorn.org)  
[www.iowacorn.org](http://www.iowacorn.org)

Kansas Corn  
Growers Association  
Kansas Corn Commission  
(785) 448-6922  
Greg Krissek,  
Executive Director  
[gkrissek@ksgrains.com](mailto:gkrissek@ksgrains.com)  
[www.ksgrains.com/corn](http://www.ksgrains.com/corn)

Kentucky Corn  
Growers Association  
Kentucky Corn  
Promotion Council  
(866) 543-9674  
(800) 326-0906

Laura Knoth, Executive Director  
[laura@kycorn.org](mailto:laura@kycorn.org)  
[www.kycorn.org](http://www.kycorn.org)

Louisiana Soybean and Grain  
Research and Promotion Board  
(225) 922-6209  
Kyle McCann,  
Executive Director  
[kylem@lfbf.org](mailto:kylem@lfbf.org)

Maryland Grain  
Producers Association  
Maryland Grain Producers Utilization  
Board  
(410) 956-5771  
Lynne Hoot, Executive Director  
[lynne.mdag@gmail.com](mailto:lynne.mdag@gmail.com)  
[www.marylandgrain.com](http://www.marylandgrain.com)

Michigan Corn  
Growers Association  
Corn Marketing Program  
of Michigan  
(517)-668-CORN (2676)  
(888) 323-6601  
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