



WORLD OF CORN 2014

Letter from the NCGA

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In 2013, America's farmers showed how, with resilience and resolve, they truly are heroes. Following a year of record drought and confronting a late, wet planting season, these strong, independent men and women worked tirelessly to plant a crop that would produce an unparalleled abundance. Their hard work and determination provide our nation with the corn that fuels our economy, feeds our people and drives innovation. Exhibiting both character and excellence, corn farmers provide the uniquely American crop that drives our country's unequalled success. As you turn these pages, you too can take a journey that celebrates the **World of Corn**.



A handwritten signature in black ink that reads "Martin R. Barbre".

Martin Barbre
President



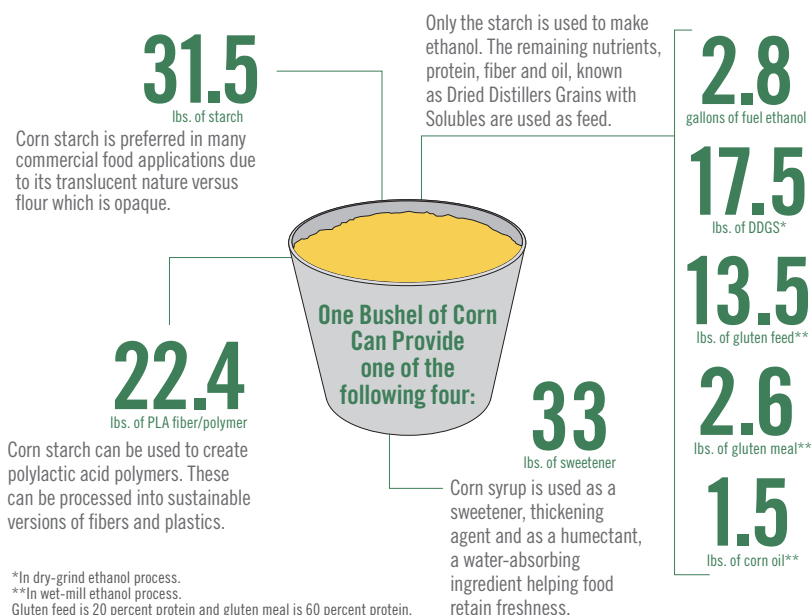
A handwritten signature in black ink that reads "Rick Tolman".

Rick Tolman
CEO

The World of Corn

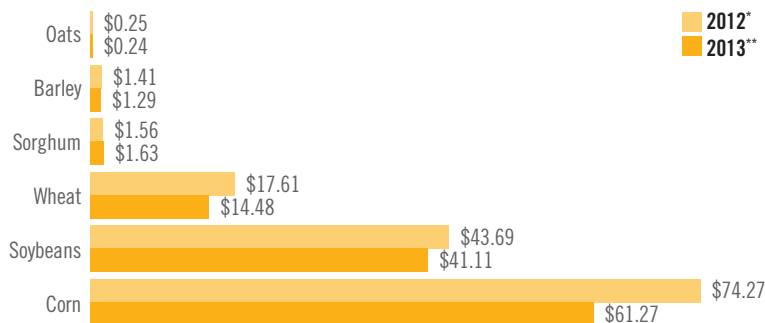


2



U.S. Select Crop Value

(\$ billion)



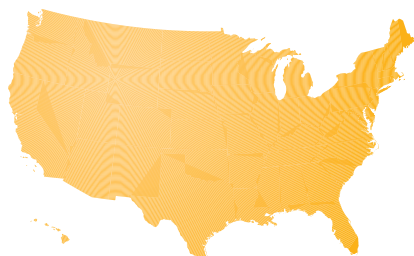
Data Source: USDA, WASDE, Jan. 10, 2014

*estimate

**projections

U.S. Corn at a Glance

2013



95.4 Million Acres Planted
87.7 Million Acres Harvested
13.9 Billion Bushels Produced
\$61.3 Billion Corn Crop Value
\$4.40 Average Price/Bushel

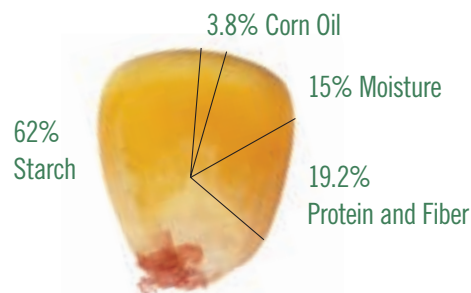
U.S. All Crop Acres Harvested 2012-2013

(1,000 acre)

	2012	2013
Corn (grain)	87,375	87,668
Corn (silage)	7,379	6,256
Soybeans	76,164	75,869
Hay	56,260	58,257
Wheat	48,921	45,157
Cotton	9,372	7,664
Sorghum (grain)	4,955	6,530
Sorghum (silage)	363	380
Barley	3,244	3,000
Rice	2,679	2,468
Sunflower	1,841	1,475
Dry Edible Beans	1,690	1,311
Canola	1,729	1,265
Sugar Beets	1,204	1,154
Potatoes	1,132	1,052
Peanuts	1,604	1,042
Oats	1,045	1,030
Sugar Cane	902	906
Dry Edible Peas	621	797
Proso Millet	205	638
Tobacco	336	356
Lentils	450	347
Rye	248	278
Flaxseed	333	172
Safflower	160	170
Sweet Potatoes	126	113
Peppermint	76	69
Other	44	48
Mustard Seed	50	43
Hops	32	35
Total	310,540	305,550

Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

Components of Yellow Dent Corn



Source: Corn Chemistry and Technology, 1999

U.S. Corn Production

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2013 U.S. Corn Production by State

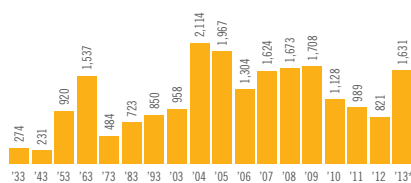
	Acres Planted (1,000s)	Acres Harvested for Grain (1,000s)	Average Yield bushel/acre	Total Production 1,000 bushels
AL	320	295	148	43,660
AR	880	870	187	162,690
AZ	85	51	180	9,180
CA	600	180	195	35,100
CO	1,220	990	131	129,690
CT	27	0	0	0
DE	180	174	166	28,884
FL	115	78	130	10,140
GA	510	465	175	81,375
IA	13,600	13,100	165	2,161,500
ID	350	120	180	21,600
IL	12,000	11,800	178	2,100,400
IN	6,000	5,850	177	1,035,450
KS	4,300	4,000	127	508,000
KY	1,530	1,430	170	243,100
LA	680	670	173	115,910
MA	16	0	0	0
MD	480	420	158	66,360
ME	31	0	0	0
MI	2,600	2,250	155	348,750
MN	8,600	8,150	160	1,304,000
MO	3,350	3,200	136	435,200
MS	860	830	176	146,080
MT	120	75	115	8,625
NC	930	870	142	123,540
ND	3,850	3,600	110	396,000
NE	9,950	9,550	170	1,623,500
NH	14	0	0	0
NJ	90	80	139	11,120
NM	120	39	190	7,410
NV	7	0	0	0
NY	1,200	690	138	95,220
OH	3,900	3,740	177	661,980
OK	370	310	145	44,950
OR	80	36	190	6,840
PA	1,480	1,090	147	160,230
RI	2	0	0	0
SC	350	335	130	43,550
SD	6,200	5,860	138	808,680
TN	890	820	156	127,920
TX	2,350	2,000	138	276,000
UT	83	31	170	5,270
VA	510	360	154	55,440
VT	92	0	0	0
WA	190	105	215	22,575
WI	4,100	3,050	146	445,300
WV	53	36	147	5,292
WY	100	68	127	8,636
U.S.	95,365	87,668	158.8	13,925,147

Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

Historical Corn Performance, 1933-2013

U.S. Corn Ending Stocks 1933-2013

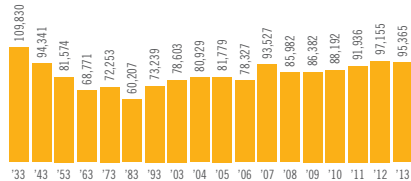
(million bushels)



Source: USDA, ERS, Feed Outlook, Jan. 15, 2014
*Crop Year Ending Aug. 31, 2014

U.S. Corn Acres Planted 1933-2013

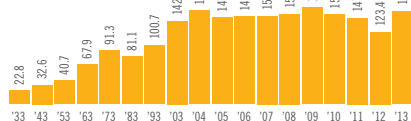
(1,000 acre)



Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

U.S. Average Corn Yield 1933-2013

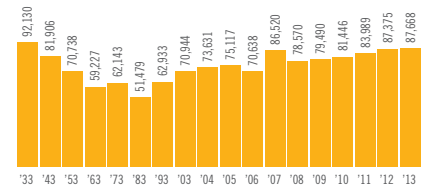
(bushels/acre)



Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

U.S. Corn Acres Harvested 1933-2013

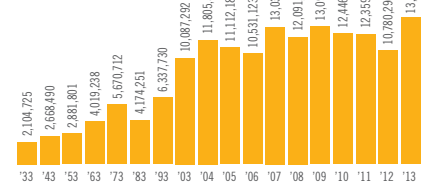
(1,000 acre)



Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

U.S. Corn Production 1933-2013

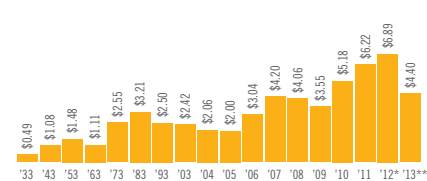
(1,000 bu)



Source: USDA, NASS, Crop Production 2013 Summary, Jan. 10, 2014

U.S. Corn Prices 1933-2013

(\$/bu)



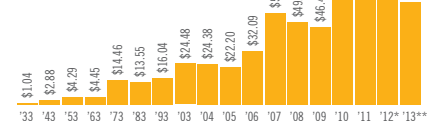
Source: USDA, WAOB, World Agriculture Supply & Demand Estimate, Jan. 10, 2014

*estimated

**projected for crop year Sept. 2013 - Aug. 2014

U.S. Corn Crop Value 1933-2013

(\$ billion)



Source: USDA, WASDE, Jan. 10, 2014

* estimate

**projections

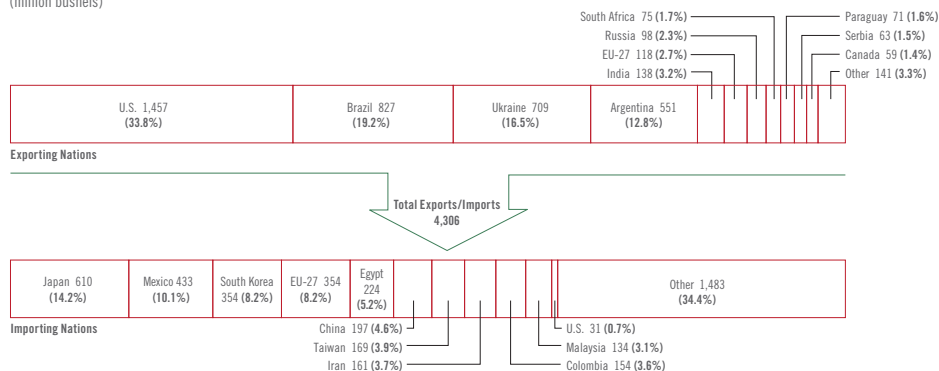
Global Corn Production



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World Corn Exports/Imports 2013-2014*

(million bushels)

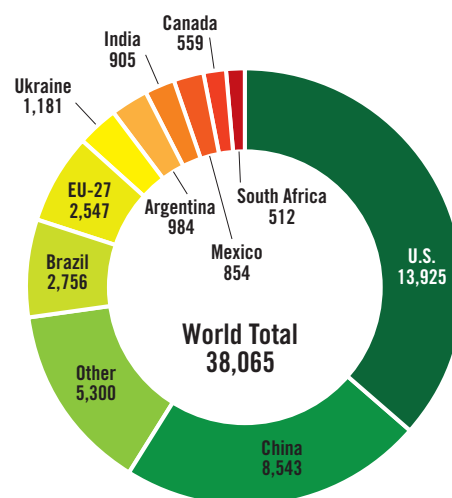


Source: USDA, FAS Grain: World Markets and Trade, Jan. 10, 2014

*Marketing Year Oct. 1, 2013 - Sept. 30, 2014

World Corn Production 2013-2014*

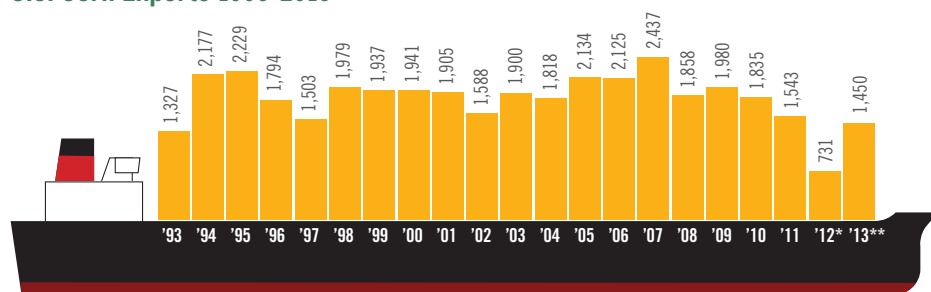
(million bushels)



Source: USDA, FAS Grain: World Markets and Trade, Jan. 10, 2014

*Marketing Year Oct. 1, 2013 - Sept. 30, 2014

U.S. Corn Exports 1993-2013

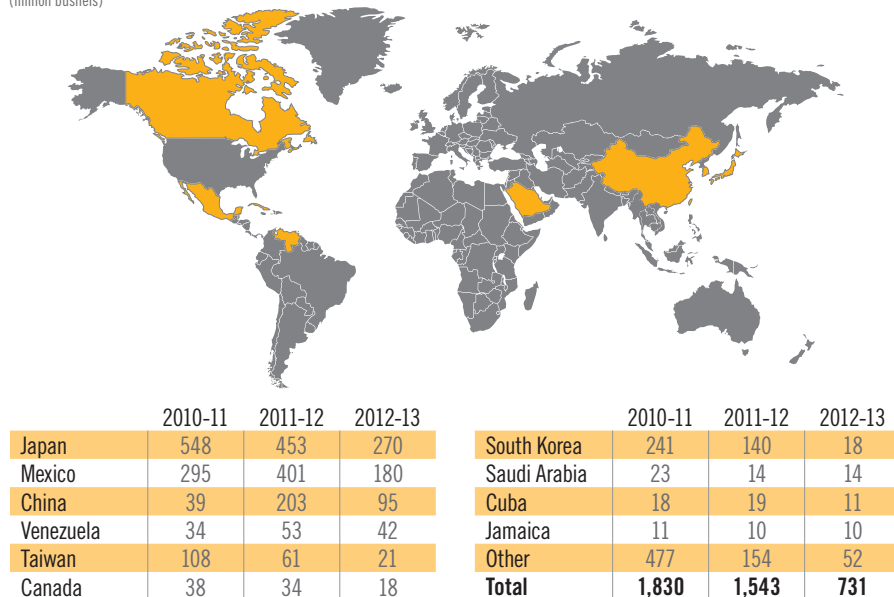


Source: USDA, WAOB, World Agriculture Supply & Demand Estimate, Jan. 10, 2014

*estimate
**projections

U.S. Corn Exports/Leading Markets 2010-2013

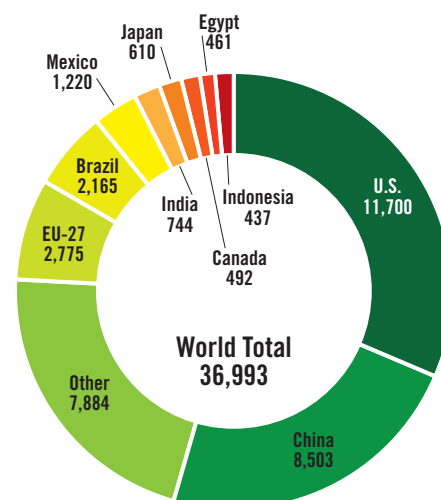
(million bushels)



Source: USDA, ERS, Feed Outlook, Jan. 15, 2014

World Corn Consumption 2013-2014*

(million bushels)



Source: USDA, FAS Grain: World Markets and Trade, Jan. 10, 2014

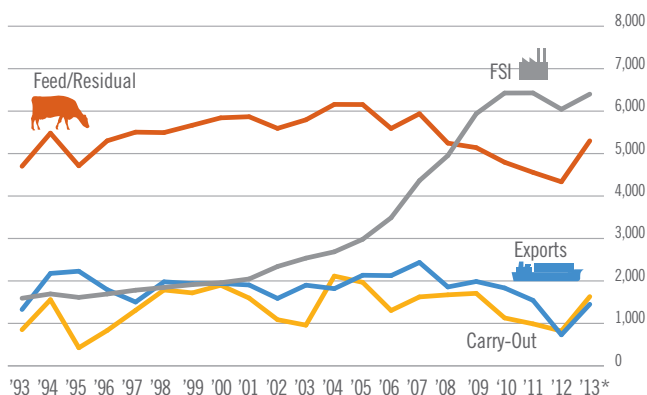
*Marketing Year Oct. 1, 2013 - Sept. 30, 2014

Corn Consumption Overview

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Corn Processed by Segment 1993-2013

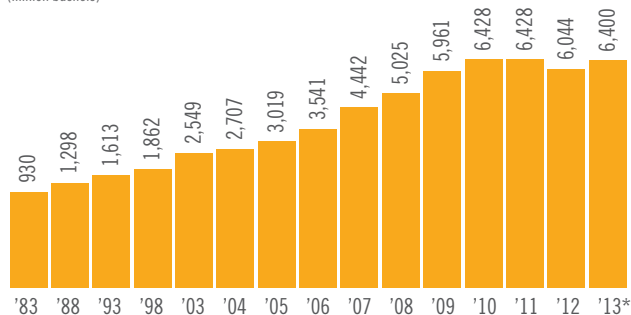
(million bushels)



Source: USDA, ERS, Feed Outlook
*projection

Food/Seed/Industrial Usage 1983-2013

(million bushels)



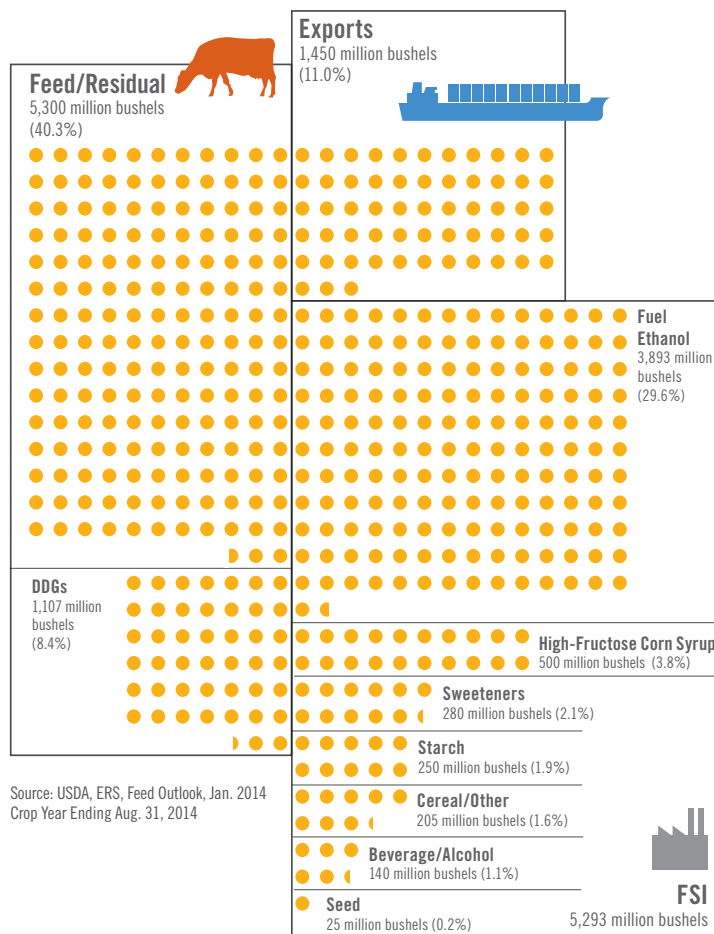
Source: USDA, ERS, Feed Outlook, Jan. 15, 2014
*Crop Year Ending Aug. 31, 2014

Corn Usage by Segment 2013

(million bushels)

Total Usage 13,150 million bushels

● = 25 million bushels



Source: USDA, ERS, Feed Outlook, Jan. 2014
Crop Year Ending Aug. 31, 2014

STUFF YOU MAY NOT REALIZE WAS MADE WITH CORN

paints
candles
fireworks

drywall
plastics
adhesives

antibiotics
textiles
soaps

shoe polish
sandpaper
dyes

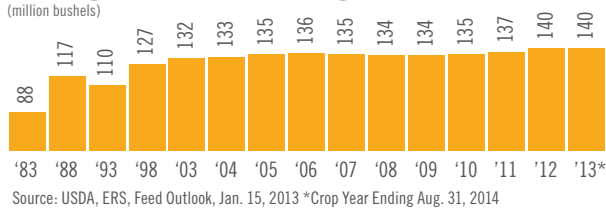
rubber tires
carpeting
fiberglass

Corn Consumption Food/Feed

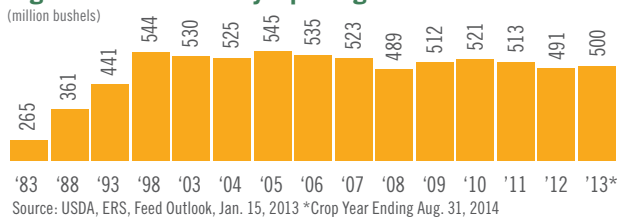


6

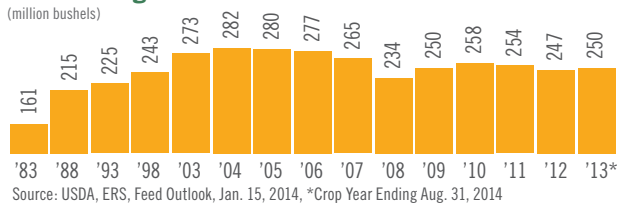
Beverages and Manufacturing Alcohol 1983-2013



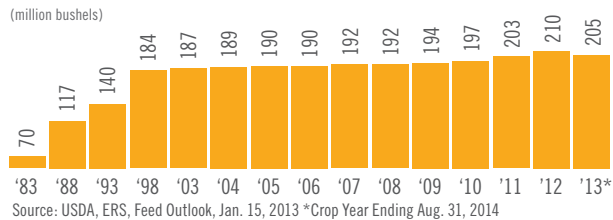
High-Fructose Corn Syrup Usage 1983-2013



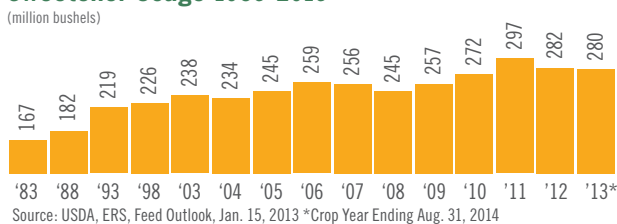
Starch Usage 1983-2013



Cereal and Food 1983-2013



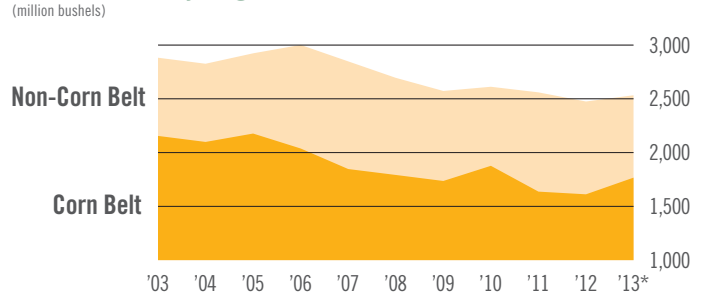
Sweetener Usage 1983-2013



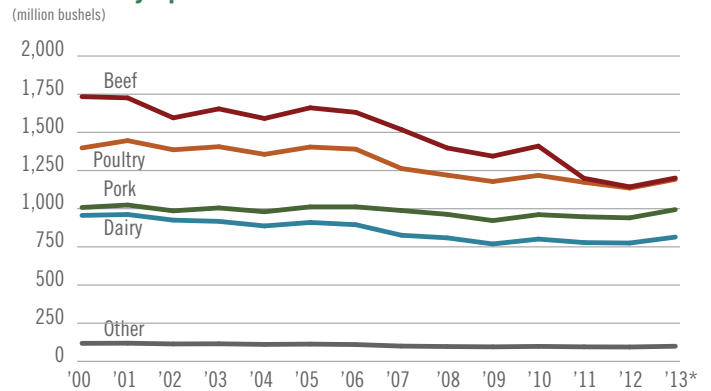
Corn Displaced by DDG/CGF in Domestic Livestock Rations 2003-2013



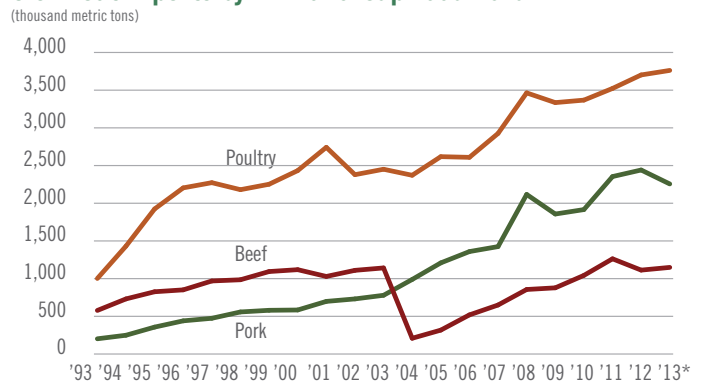
U.S. Corn Fed by Region 2003-2013



Corn Fed by Species 2000-2013



U.S. Meat Exports by Animal Group 1993-2013



Corn Consumption Ethanol

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U.S. Ethanol Production Facilities

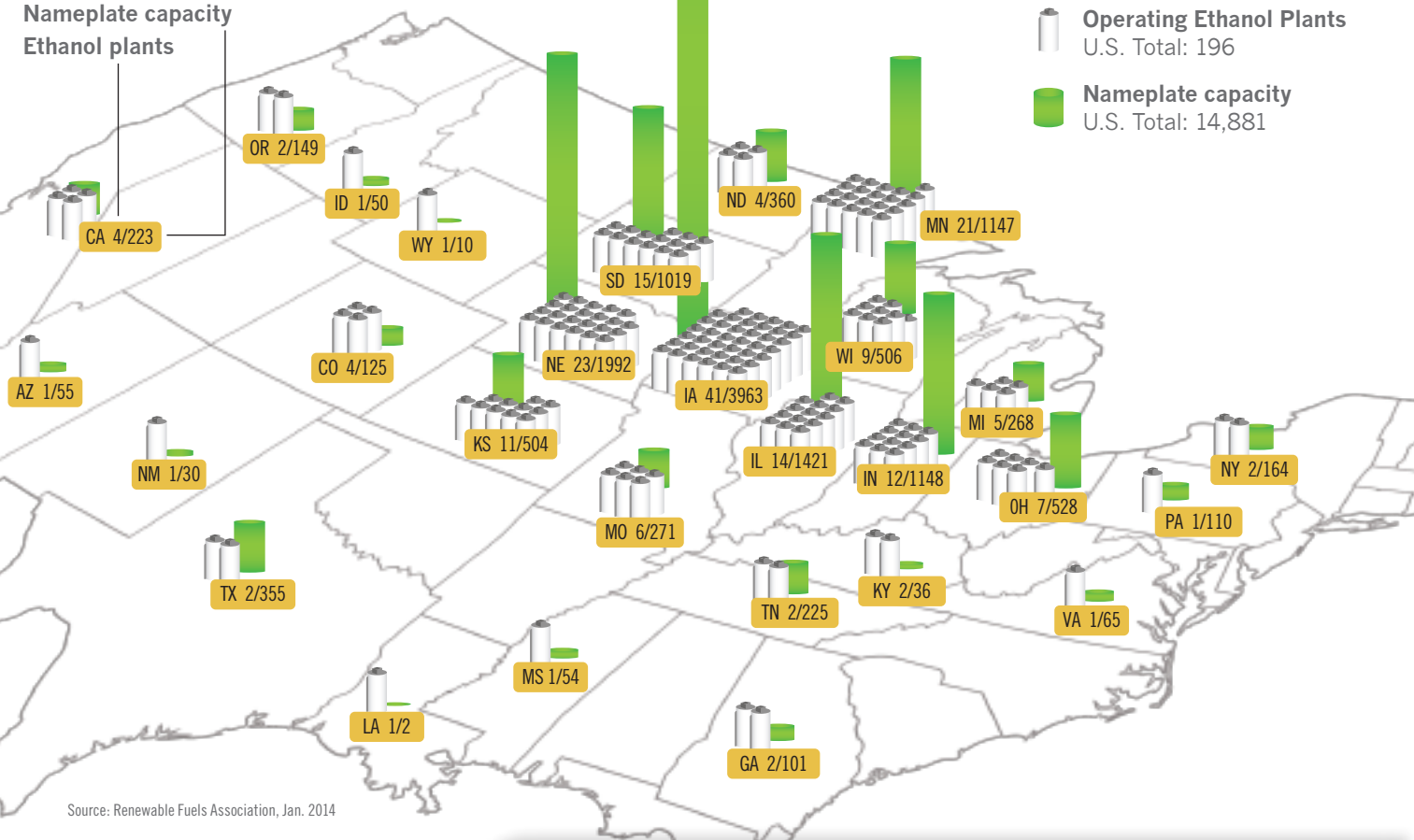
Ethanol is a powerful force in realizing a reduction in our dependence on crude oil. Thanks to ethanol, plant-based biofuel is the fastest-growing renewable energy technology.

“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.”

Nameplate capacity
Ethanol plants

Operating Ethanol Plants
U.S. Total: 196

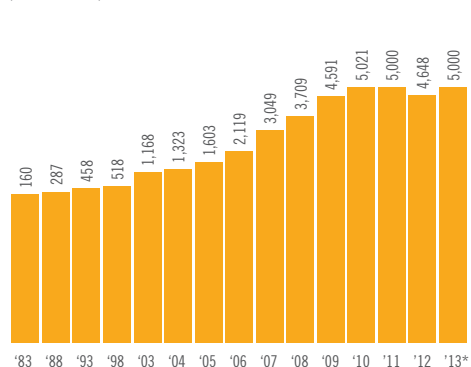
Nameplate capacity
U.S. Total: 14,881



Source: Renewable Fuels Association, Jan. 2014

Corn Used for Ethanol and DDG Production 1983-2013

(million bushels)

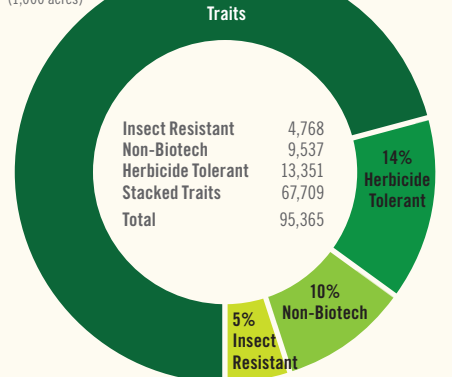


Source: USDA, ERS, Feed Outlook, Jan. 15, 2014

*Crop Year Ending Aug. 31, 2014

Biotech Share of U.S. Corn Acres Planted 2013

(1,000 acres)



Source: USDA, NASS, Crop Production Annual, Jan. 10, 2014

Percentage of Biotech Acreage 2011-2013

Year	Insect Resistant			Herbicide Tolerant			Stacked Traits			All Biotech Hybrids		
	'11	'12	'13	'11	'12	'13	'11	'12	'13	'11	'12	'13
IL	14	14	4	17	18	7	55	53	78	86	85	89
IN	7	9	2	22	15	10	56	60	73	85	84	85
IA	13	12	5	16	15	14	61	64	72	90	91	91
KS	28	20	7	22	19	15	42	51	69	92	90	91
MI	11	8	4	24	26	15	52	52	71	87	86	90
MN	16	19	3	29	22	10	48	47	78	93	88	91
MO	27	18	5	22	20	16	36	48	71	85	86	92
NE	15	16	6	26	20	13	52	55	74	93	91	93
ND	26	17	5	32	36	20	39	43	69	97	96	94
OH	24	13	6	13	20	16	37	43	63	74	76	85
SD	7	9	2	25	23	12	64	62	82	96	94	96
TX	22	20	16	24	21	20	42	44	53	88	85	89
WI	18	10	3	27	23	18	41	53	63	86	86	84
Other	20	18	6	30	26	21	36	41	61	86	85	88
Total	16	15	5	23	21	14	49	52	71	88	88	90

Source: USDA, NASS, Acreage Jun. 28, 2013

Organizations



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CORN PROCESSING

Corn Refiners Association
(202) 331-1634
www.corn.org

North American Millers' Association
(202) 484-2200
www.namamillers.org

CORN INPUT

American Seed Trade Association
(703) 837-8140
www.amseed.com

CropLife America
(202) 296-1585
www.croplifeamerica.org

The Fertilizer Institute
(202) 962-0490
www.tfi.org

CORN EXPORTS

U.S. Grains Council
(202) 789-0789
www.grains.org

FOOD AND SNACK CORN

Popcorn Board
(312) 644-6610
www.popcorn.org

Snack Food Association
(703) 836-4500
www.sfa.org

CORN FUTURES

CME Group
(312) 930-1000
www.cmegroup.com

RENEWABLE FUELS

American Coalition for Ethanol
(605) 334-3381
www.ethanol.org

Growth Energy
(202) 545-4000
www.growthenergy.org

Renewable Fuels Association
(202) 289-3835
www.ethanolrfa.org

LIVESTOCK & FEED

American Feed Industry Association
(703) 524-0810
www.afia.org

National Cattlemen's Beef Association
(303) 694-0305
www.beef.org

National Grain & Feed Association
(202) 289-0873
www.ngfa.org

National Pork Board
(515) 223-2600
www.pork.org

National Pork Producers Council
(202) 347-3600
www.nppc.org

U.S. Poultry & Egg Association
(770) 493-9401
www.poultryegg.org

STATE ORGANIZATIONS

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

Alabama Wheat and Feed Grain Producers
(334) 288-3900
Brian Hardin, Assistant Director
bhardin@alfafarmers.org

Arkansas Corn and Grain Sorghum Board
(501) 228-1297
Matt King, Executive Director
matt.king@arfb.com

Colorado Corn Growers Association
Colorado Corn Administrative Committee
(970) 351-8201
Mark Sponsler, CEO
msponsler@coloradocorn.com
www.coloradocorn.com

Georgia Agricultural Commodity Commission
(404) 656-3678
Nathan Wilson, Commodities Director
nathan.wilson@agr.georgia.gov

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

Illinois Corn Growers Association
Illinois Corn Marketing Board
(309) 557-3257
(309) 827-0912
Rodney Weinzierl, Executive Director
weinzierl@ilcorn.org
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
www.incorn.org

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

Kansas Corn Growers Association
Kansas Corn Commission
(785) 448-6922
Jere White, Executive Director
jwhite@ksgrains.com
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
www.kycorn.org

Louisiana Soybean and Grain Research and Promotion Board
(225) 922-6209
Kyle McCann, Corresponding Secretary
kylem@lfbf.org

Maryland Grain Producers Association
Maryland Grain Producers Utilization Board
(410) 956-5771
Lynne Hoot, Executive Director
lynnehoot@aol.com
www.marylandgrain.com

Michigan Corn Growers Association
Corn Marketing Program of Michigan
(517) 668-CORN (2676)
(888) 323-6601
Jim Zook, Executive Director
jzook@micorn.org
www.micorn.org

Minnesota Corn Growers Association
Minnesota Corn Research and Promotion Council
(952) 233-0333
Tim Gerlach, Executive Director
gerlach@mncorn.org
www.mncorn.org

Mississippi Corn Growers Association
Mississippi Corn Promotion Board
(662) 325-2311
Dr. Erick Larson
elaron@pss.msstate.edu

Missouri Corn Growers Association
Missouri Corn Merchandising Council
(573) 893-4181
Gary Marshall, CEO
gmarshall@mocorn.org
www.mocorn.org

Nebraska Corn Board
(402) 471-CORN (2676)
(800) 632-6761
Don Hutchens, Executive Director
don.hutchens@nebraska.gov
www.nebraskacorn.org

Nebraska Corn Growers Association
(402) 438-6459
(888) 267-6479
Scott Merritt, Executive Director
smerritt@necga.org
www.necga.org

New York Corn and Soybean Growers Association
(315) 583-5296
Julia Robbins, Executive Director
juliarobbins@gmail.com
www.nycornsoy.org

Corn Growers Association of North Carolina
(919) 803-4778
Joyce Woodhouse, Executive Secretary
jwoodhouse@earthlink.net

North Dakota Corn Growers Association
North Dakota Corn Utilization Council
(701) 364-2250
Tom Lilja, Executive Director
tom@ndcorn.org
www.ndcorn.org

Ohio Corn and Wheat Growers Association
Ohio Corn Marketing Program
(740) 201-8088
Tadd Nicholson, Executive Director
tnicholson@ohiocornandwheat.org
www.ohiocorn.org

Oklahoma Corn Growers Association
(580) 338-1568
Raylon Earls, Acting President

Pennsylvania Corn Growers Association
(610) 932-5785
H. Grant Troop, Executive Director
info@pacorngrowers.org
www.pacorngrowers.org

South Carolina Corn and Soybean Association
(803) 356-3727
Kathy Fudge, Executive Director
sccsa@collabefforts.com
www.scssoybeans.org

South Dakota Corn Growers Association
South Dakota Corn Utilization Council
(605) 334-0100
Lisa Richardson, Executive Director
lisa@sdcorn.org
www.sdcorn.org

Tennessee Corn Growers Association
(731) 536-6226
Polk Glover, Secretary/Treasurer
polk@ken-tennwireless.com
www.tncorn.org

Corn Producers Association of Texas
Texas Corn Producers Board
(806) 763-2676
David Gibson, Executive Director
dgibson@texascorn.org
www.texascorn.org

Virginia Corn Board
(804) 371-6157
Phil Hickman, Program Director
phil.hickman@vdacs.virginia.gov

Virginia Grain Producers Association
(804) 726-6022
Katie Hellebush, Executive Director
katie@viriniagrains.com
www.viriniagrains.com

Wisconsin Corn Growers Association
Wisconsin Corn Promotion Board
(262) 495-2232
Robert Oleson, Executive Director
wicorn@centurytel.net
www.wicorn.org

Every day we work hand in

hand with farmers to continually

improve our products and systems.

This partnership has enabled farmers

to produce more using fewer natural

resources than ever before.

That's improving agriculture.

That's improving lives. And that's

what Monsanto is all about.

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improving

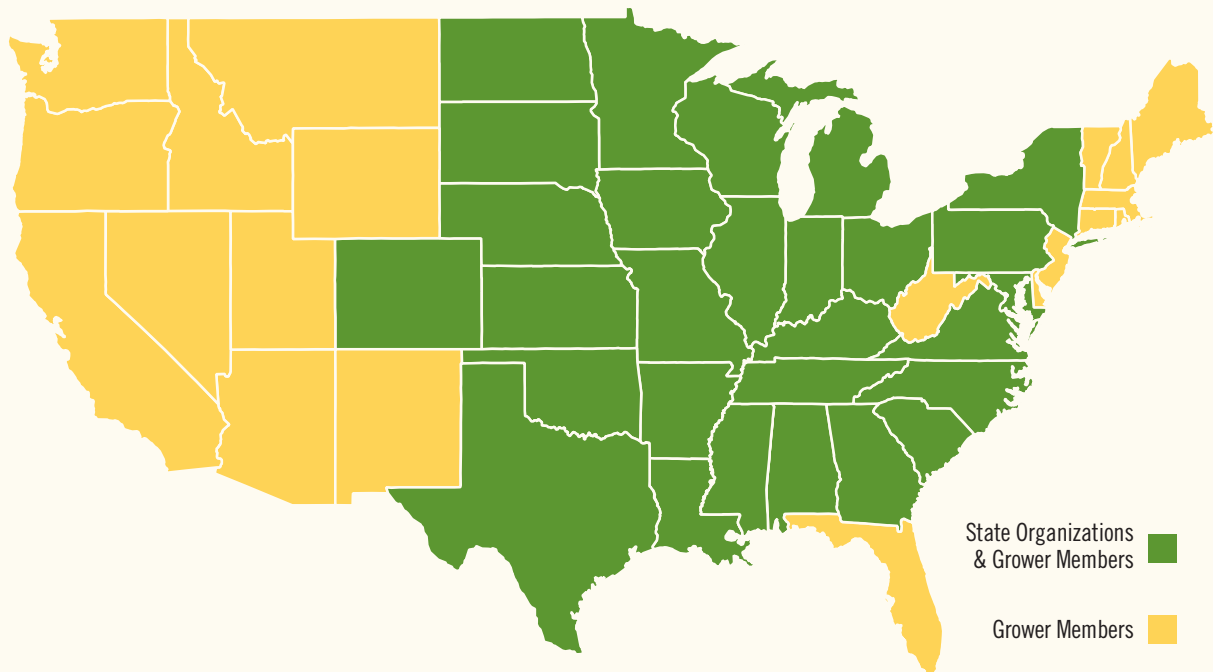
improving



agriculture lives



Founded in 1957, the National Corn Growers Association represents more than 40,000 dues-paying corn farmers nationwide and the interests of more than 300,000 growers who contribute through corn checkoff programs in their states. NCGA and its 48 affiliated state associations and checkoff organizations work together to create and increase opportunities for their members and their industry.



CORN EACH
AMERICAN
CONSUMES
ANNUALLY

25 lbs.

20 BUSHELS
ACRE
harvested in 1912

158.8 BUSHELS
ACRE
harvested in 2013



NATIONAL
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