



World of Corn. Unlimited Possibilities.

Letter from the NCGA

Corn.

It is a part of who we are as Americans. From the first tall, leafy stalk domesticated by early Americans to the cutting-edge varieties that help our nation's most widely grown crop thrive today, corn feeds innovation and fuels our economy. Corn nourishes our cultural identity, lighting night skies on Independence Day and filling traditional cornucopias at Thanksgiving. Our nation's corn farmers, through their unwavering dedication and steady perseverance, grow a crop that sustains our people, feeds our economy and buttresses our national identity. As you turn these pages, you too can explore the **World of Corn**.



A handwritten signature in cursive script that reads "Pamula D. Johnson".

Pam Johnson
President



A handwritten signature in cursive script that reads "Rick Tolman".

Rick Tolman
CEO

CORN EACH AMERICAN CONSUMES ANNUALLY

25 lbs.

32

PERCENTAGE OF THE WORLD'S
CORN SUPPLY GROWN IN THE
UNITED STATES. THE U.S. IS THE
LARGEST PRODUCER OF CORN.

20

BU/ACRE
harvested in 1912

123.4

BU/ACRE
harvested in 2012

The World of Corn

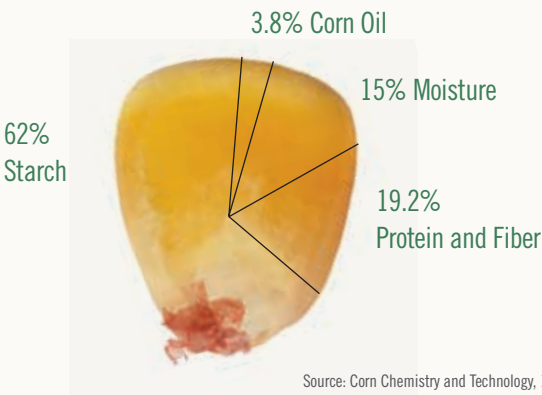
Unlimited Possibilities

When it comes to making an impression,
no other crop tells a story as compelling as corn.

Even on a global scale, the United States commands a deciding lead in production – a testament to the passion of so many who look to corn for their livelihood. As a nation focused on innovation, the advancements in corn continue to create greater yield to satisfy even greater demand. The opportunities for corn are truly without limit and the numbers prove it.



Components of Yellow Dent Corn



U.S. All Crop Acres Harvested 2011-2012

	2011	2012
Corn (grain)	83,989	87,375
Corn (silage)	5,935	7,379
Soybeans	73,776	76,104
Hay	55,653	56,260
Wheat	45,705	48,991
Cotton	9,461	9,427
Sorghum (grain)	3,929	4,955
Sorghum (silage)	224	363
Barley	2,239	3,244
Rice	2,617	2,678
Sunflower	1,458	1,841
Canola	1,043	1,729
Dry Edible Beans	1,168	1,690
Peanuts	1,081	1,608
Sugar Beets	1,213	1,204
Potatoes	1,077	1,133
Oats	939	1,045
Sugar Cane	873	899
Dry Edible Peas	343	621
Lentils	411	450
Tobacco	325	336
Flaxseed	173	336
Rye	242	248
Proso Millet	338	205
Safflower	127	160
Sweet Potatoes	130	127
Peppermint	74	76
Mustard Seed	22	50
Other	36	40
Hops	30	32
Total	294,630	310,605

Source: USDA, NASS, Crop Production 2012 Summary Jan. 11, 2013

31.5

lbs. of starch

Corn starch is preferred in many commercial food applications due to its translucent nature versus flour which is opaque.

Only the starch is used to make ethanol. The remaining nutrients, protein, fiber and oil, known as Dried Distillers Grains with Solubles are used as feed.

2.8

gallons of fuel ethanol

17.5

lbs. of DDGS*

13.5

lbs. of gluten feed**

2.6

lbs. of gluten meal**

1.5

lbs. of corn oil**

22.4

lbs. of PLA fiber/polymer

Corn starch can be used to create polylactic acid polymers. These can be processed into sustainable versions of fibers and plastics.

33

lbs. of sweetener

Corn syrup is used as a sweetener, thickening agent and as a humectant, a water-absorbing ingredient helping food retain freshness.

One Bushel of Corn Can Provide one of the following four:

*In dry-grind ethanol process.

**In wet-mill ethanol process.

Gluten feed is 20 percent protein and gluten meal is 60 percent protein

U.S. Corn at a Glance, 2012

97.2 Million Acres Planted

87.4 Million Acres Harvested

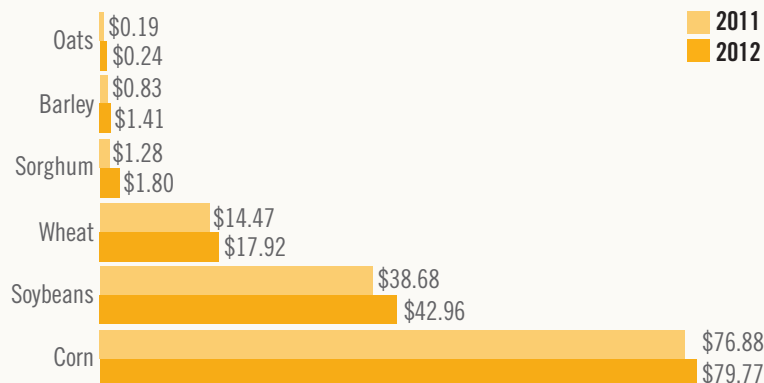
10.8 Billion Bushels Produced

\$79.8 Billion Corn Crop Value

\$7.4 Average Price/Bushel

U.S. Select Crop Value

(\$ billion)



Source: USDA WASDE Jan. 11, 2013

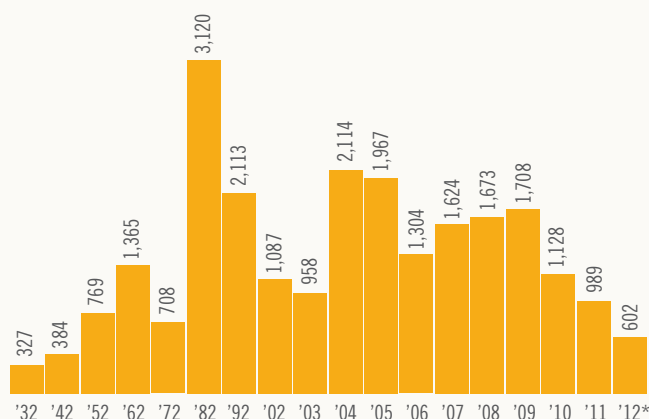
US Corn Production

2012 U.S. Corn Production by State

Producing corn is a national endeavor that helps satisfy domestic and international needs. Global demand accounts for roughly 20 percent of our corn production achieved through irrigated and non-irrigated practices. In the continental US, every state adds to total corn production numbers. And as the numbers demonstrate, last year's drought made a dynamic impact on the industry like never before. While drought conditions have been a factor in this industry, last year's conditions proved to be the most extensive on record, effecting roughly 80 percent of agricultural land. Although the severity of the drought was unexpected, we remain confident in our nation's corn growers to persevere and prosper in 2013.

U.S. Corn Ending Stocks 1932-2012

(million bushels)



Source: USDA, ERS, Feed Outlook, Jan. 15, 2013
*Crop year ending Aug. 31, 2013

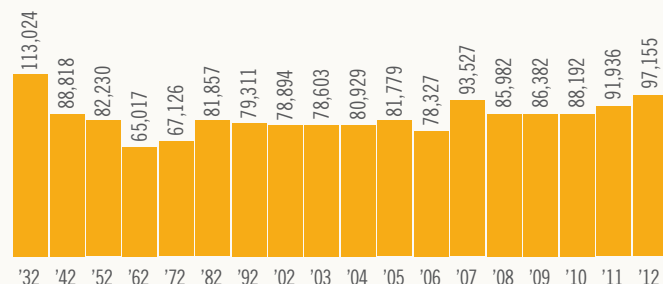
	Acres Planted (1,000s)	Acres Harvested for Grain (1,000s)	Average Yield bushel/acre	Total Production 1,000/bushels
Alabama	310	295	98	28,910
Arizona	75	32	195	6,240
Arkansas	710	695	178	123,710
California	610	180	185	33,300
Colorado	1,420	1,010	133	134,330
Delaware	185	178	135	24,030
Florida	75	40	112	4,480
Georgia	345	310	180	55,800
Idaho	360	135	190	25,650
Illinois	12,800	12,250	105	1,286,250
Indiana	6,250	6,030	99	596,970
Iowa	14,200	13,700	137	1,876,900
Kansas	4,700	3,950	96	379,200
Kentucky	1,650	1,530	68	104,040
Louisiana	540	530	173	91,690
Maryland	495	435	122	53,070
Michigan	2,650	2,390	133	317,870
Minnesota	8,750	8,330	165	1,374,450
Mississippi	820	795	165	131,175
Missouri	3,600	3,300	75	247,500
Montana	105	60	110	6,600
Nebraska	10,000	9,100	142	1,292,200
New Jersey	95	86	118	10,148
New Mexico	125	43	170	7,310
New York	1,170	680	134	91,120
North Carolina	860	820	117	95,940
North Dakota	3,600	3,460	122	422,120
Ohio	3,900	3,650	123	448,950
Oklahoma	360	295	110	32,450
Oregon	85	52	210	10,920
Pennsylvania	1,460	1,000	132	132,000
South Carolina	330	310	122	37,820
South Dakota	6,150	5,300	101	535,300
Tennessee	1,040	960	85	81,600
Texas	1,850	1,550	130	201,500
Utah	92	34	167	5,678
Virginia	510	350	103	36,050
Washington	185	115	215	24,725
West Virginia	51	35	128	4,480
Wisconsin	4,350	3,300	121	399,300
Wyoming	105	60	142	8,520
U.S. TOTAL	97,155	87,375	123.4	10,780,296

Source: USDA, NASS, Crop Production 2012 Summary Jan. 11, 2013

Historical Corn Performance, 1932-2012

U.S. Corn Acres Planted 1932-2012

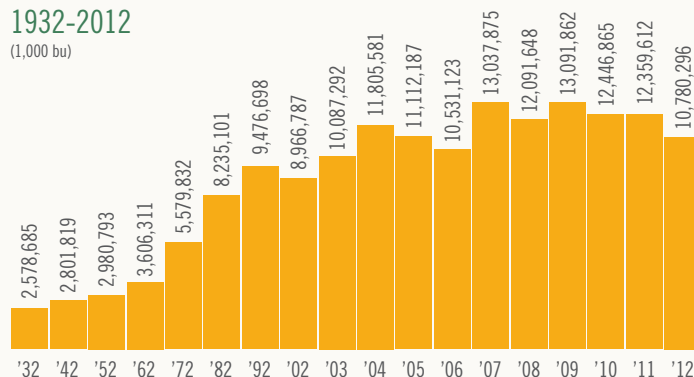
(1,000 acre)



Source: USDA, NASS, Crop Production 2012 Summary, Jan. 11, 2013

U.S. Corn Production 1932-2012

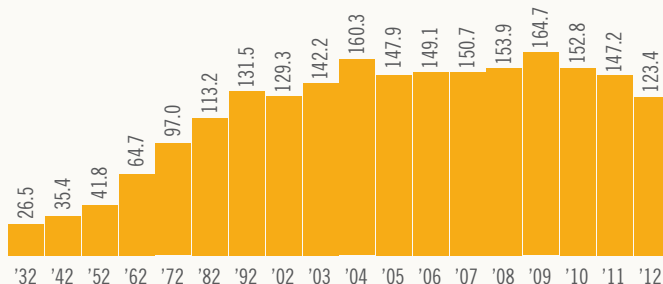
(1,000 bu)



Source: USDA, NASS, Crop Production 2012 Summary, Jan. 11, 2013

U.S. Average Corn Yield 1932-2012

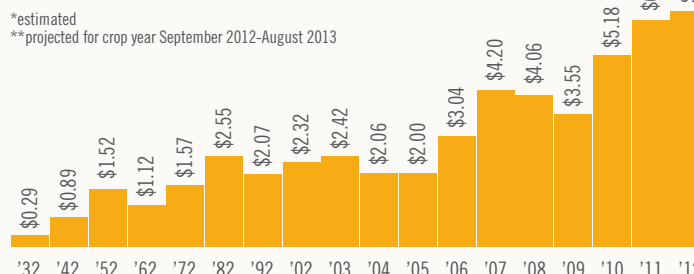
(1,000 bu)



Source: USDA, NASS, Crop Production 2012 Summary, Jan. 11, 2013

U.S. Corn Prices 1932-2012

(\$/bu)



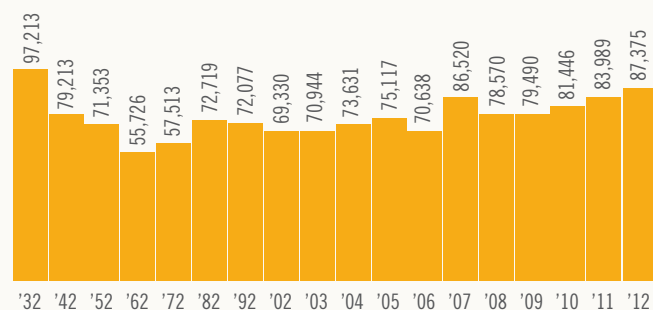
*estimated

**projected for crop year September 2012-August 2013

Source: USDA, WAOB, World Agriculture Supply & Demand Estimate, Jan. 11, 2013

U.S. Corn Acres Harvested 1932-2012

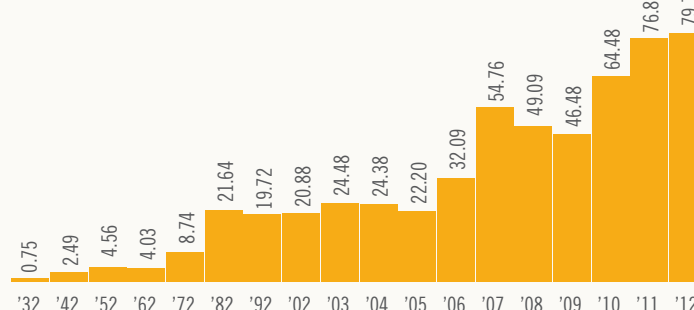
(1,000 acre)



Source: USDA, NASS, Crop Production 2012 Summary, Jan. 11, 2013

U.S. Corn Crop Value 1932-2012

(\$ billion)



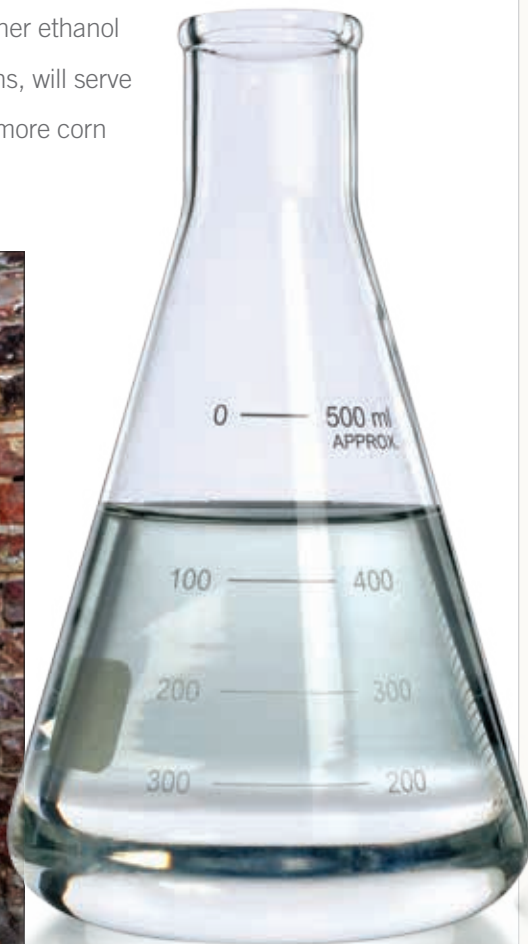
Source: USDA, WASDE, Jan. 11, 2013

Global Corn Production

New Solutions

Meeting rising demand.

Just as uses for corn continue to grow, so grows the demand for corn. Many variables play into the importing and exporting of corn grain across different countries, but the bottom line is clear: the world depends on corn. While we as a nation dominate world corn trade, we also continue to consume the most corn. Policies, like increasing the use of higher ethanol blends in U.S. gas stations, will serve to increase the need for more corn in the future.

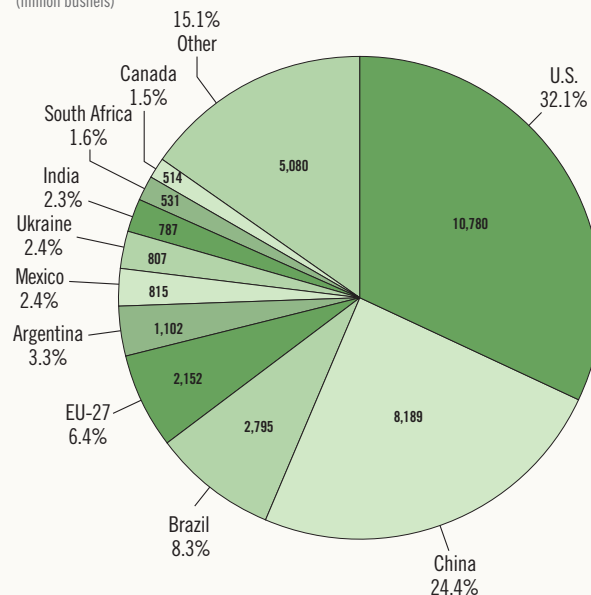


Each year, new uses and applications are discovered. Recently, some watches, jeans and even skateboards are now made with corn.

World Corn Production

2012-2013*

(million bushels)



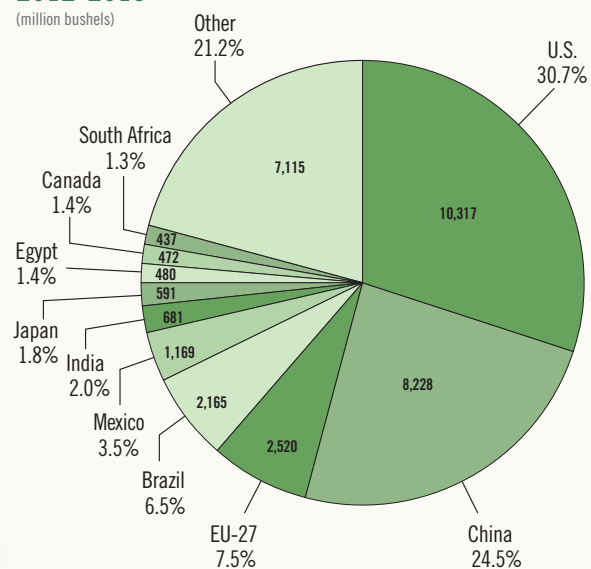
Source: USDA FAS Grain: World Markets and Trade, Jan 11, 2013

*Marketing Year October 1, 2012- September 30, 2013

World Corn Consumption

2012-2013*

(million bushels)



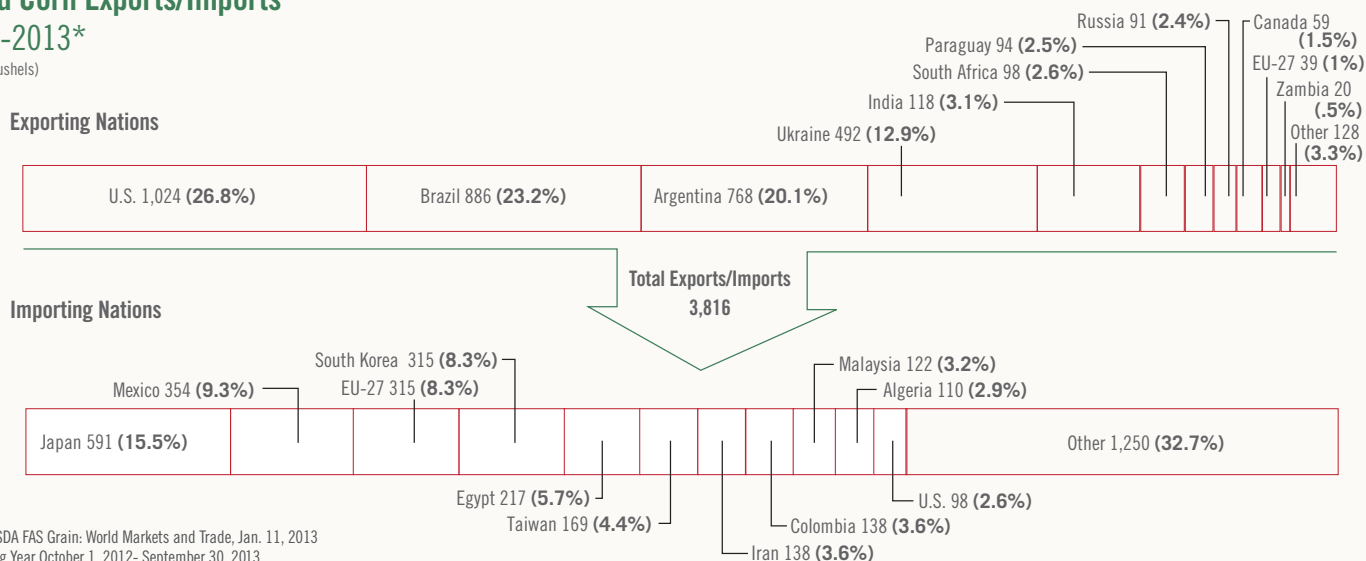
Source: USDA FAS Grain: World Markets and Trade, Jan 11, 2013

*Marketing Year October 1, 2012- September 30, 2013

World Corn Exports/Imports

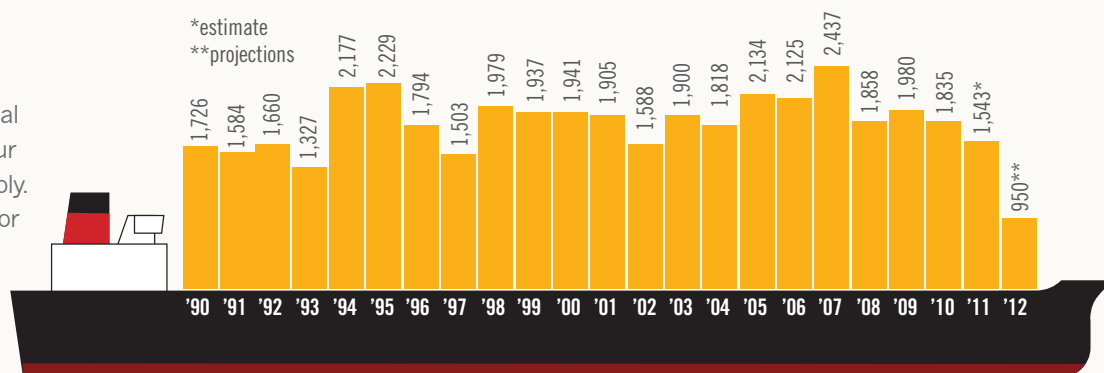
2012-2013*

(million bushels)



U.S. Corn Exports 1993-2012

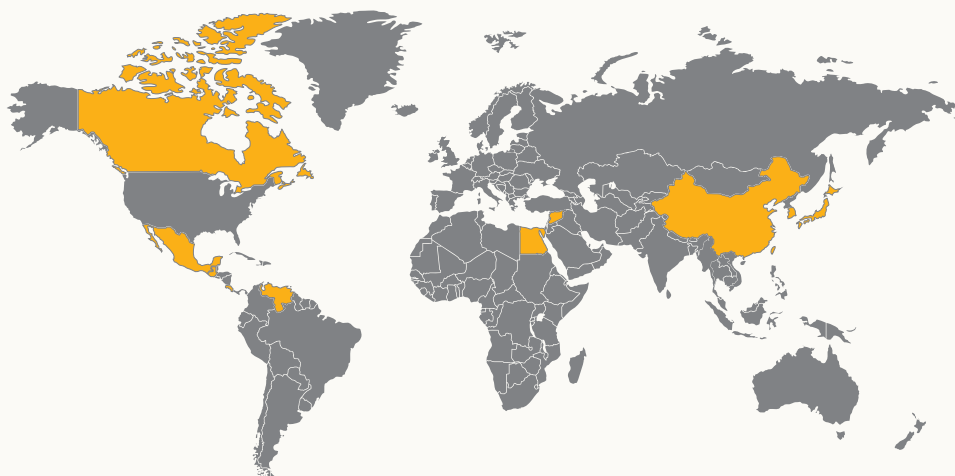
Total corn exports for the U.S. average roughly 20% of national production which underlines our nation's capacity to utilize supply. That said, the global demand for corn continues to rise.



U.S. Corn Exports/ Leading Markets 2009-2012

(million bushels)

	2009-10	2010-11	2011-12
Japan	599	552	453
Mexico	325	295	399
China	47	39	203
South Korea	279	241	142
Taiwan	125	110	61
Venezuela	44	34	53
Canada	83	37	34
Guatemala	26	27	23
Costa Rica	23	28	23
Egypt	111	134	19
Other	431	472	153
Total	1,980	1,835	1,543



Source: USDA ERS, Feed Outlook, Jan. 15, 2013

Corn Consumption Overview

Personal Expression

Corn has a distinct place in design and creativity.

Thanks to technological advancements, you can find corn in crayons – a powerful creative tool that allows anyone to make art in any color they choose. As a native starch, corn supplies the needed ingredient in industrial applications such as in the manufacture of dyes and paints.



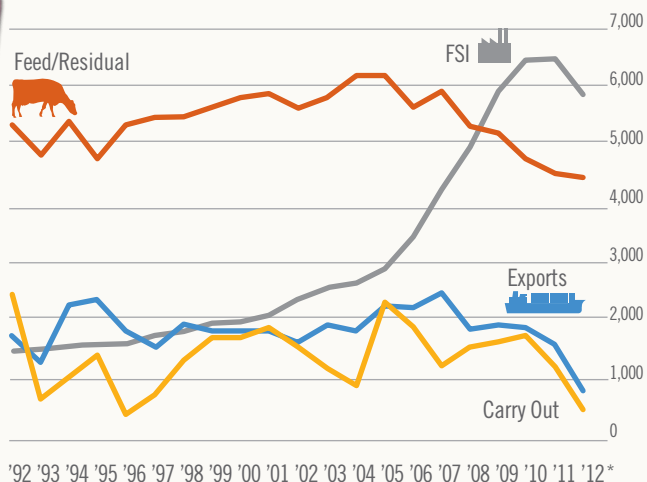
Pharmaceuticals and cosmetics share this starch ingredient as well. It's widely used in powdered cosmetics, soaps and antibiotic products. Cosmetics is a lucrative business, surely helped by the fact that, like crayons, one color is just never enough.

In our homes too, corn keeps our environments fresh and inviting. Wall paint contains corn starch, carpet fibers are made from corn and wallpaper adhesive from starch. So from paper to dyes, pigments to paints, you can practically color and cover the world with corn!

Cosmetics, such as stage makeup, are made up of corn starch. Cosmetic manufacturers are adding corn starch more often for its oil absorbing property. Corn silk has also become a popular ingredient, known to provide allantoin, a natural antioxidant and healing agent.



Corn Processed by Segment, 1992-2012



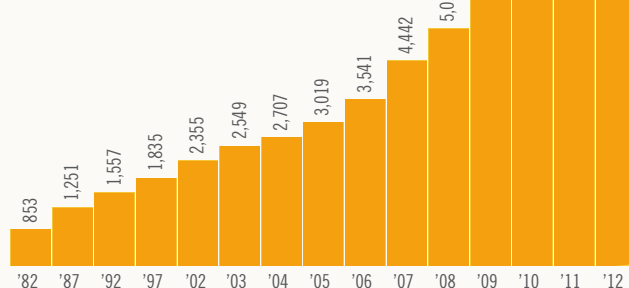
Source: USDA ERS, Feed Outlook
*projection

STUFF YOU MAY NOT REALIZE WAS MADE WITH CORN

paints	adhesives	sandpaper
candles	antibiotics	dyes
fireworks	textiles	rubber tires
drywall	soaps	carpeting
plastics	shoe polish	fiberglass

Food/Seed/Industrial Usage 1982-2012

(million bushels)

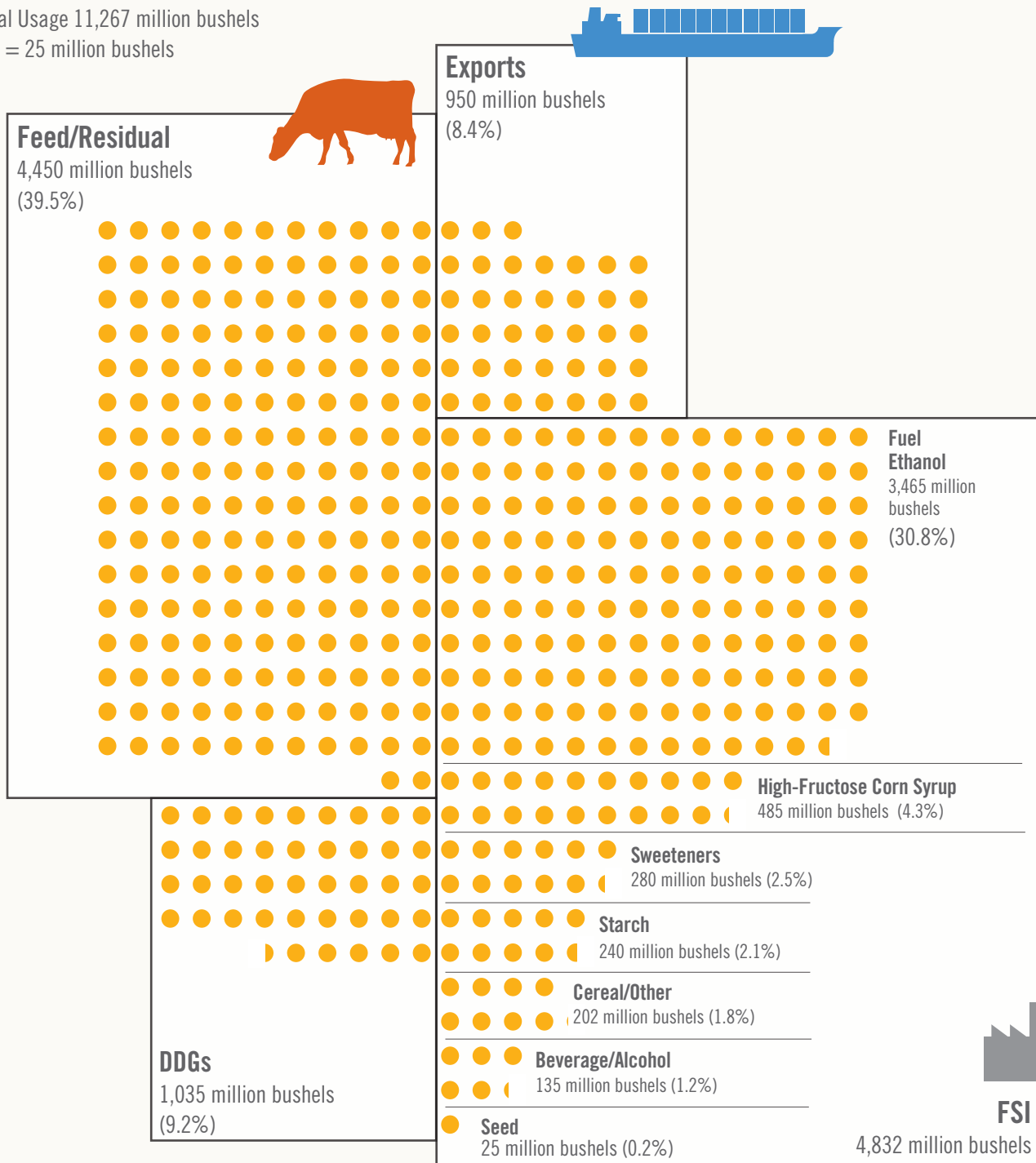


Source: USDA, ERS, Feed Outlook, Jan 15, 2013
*Crop year ending Aug 31, 2012

Corn Usage by Segment 2012

Total Usage 11,267 million bushels

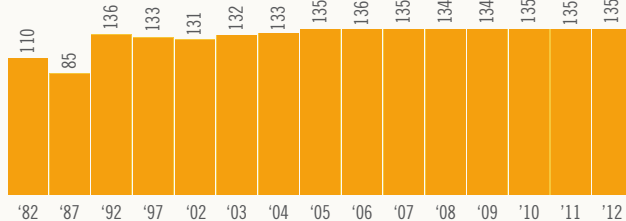
● = 25 million bushels



Corn Consumption Food/Feed

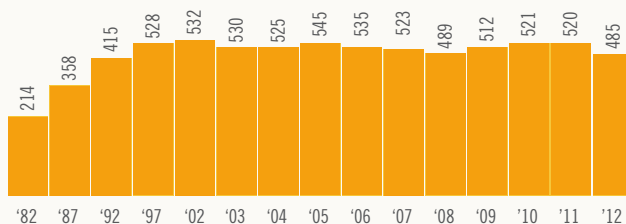
Beverages and Manufacturing Alcohol 1982-2012

(million bushels)



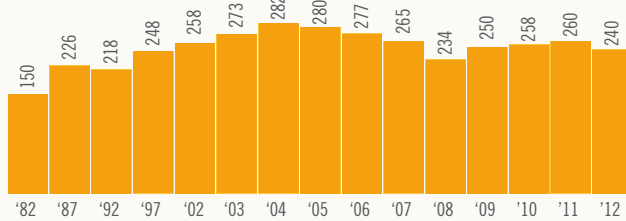
High-Fructose Corn Syrup Usage 1982-2012

(million bushels)



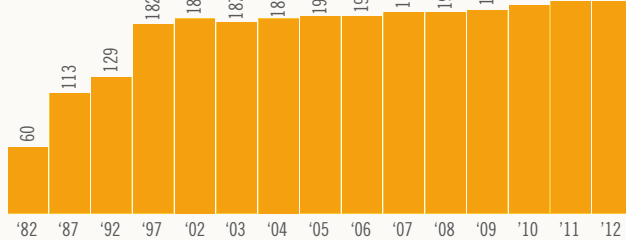
Starch Usage 1982-2012

(million bushels)



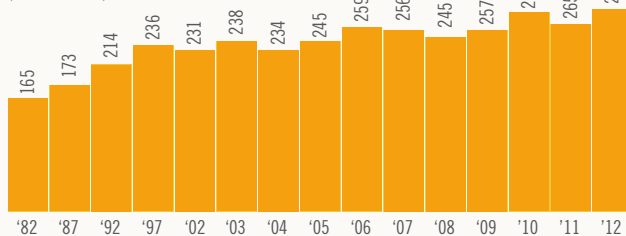
Cereal and Food 1982-2012

(million bushels)



Sweetener Usage 1982-2012

(million bushels)

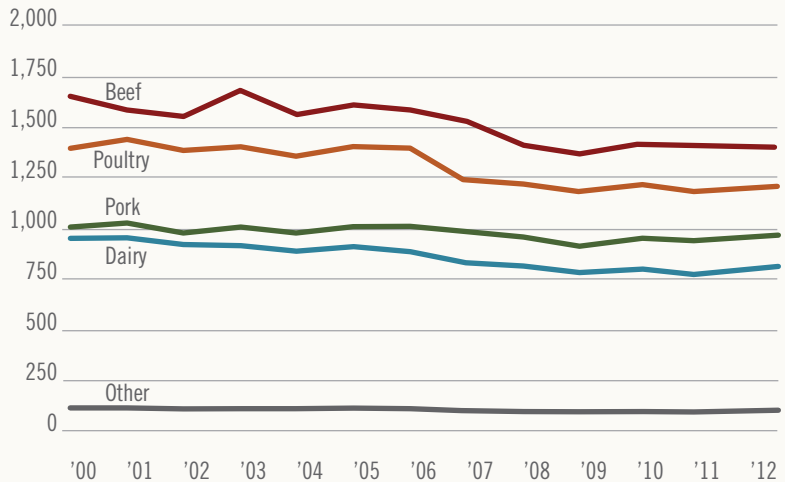


Source: USDA, ERS, Feed Outlook, Jan. 15, 2013 *Crop year ending Aug. 31, 2012

Corn Fed by Species

2000-2012

(million bushels)



Source: ProExporter Network. Crop year ending Aug. 31, 2012

*projections

beef



poultry



pork



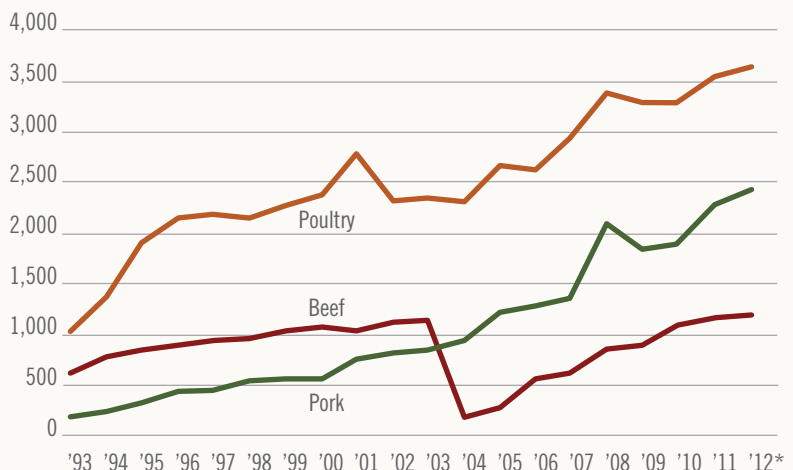
dairy



U.S. Meat Exports by Animal Group

1993-2012*

(kilometre ton)

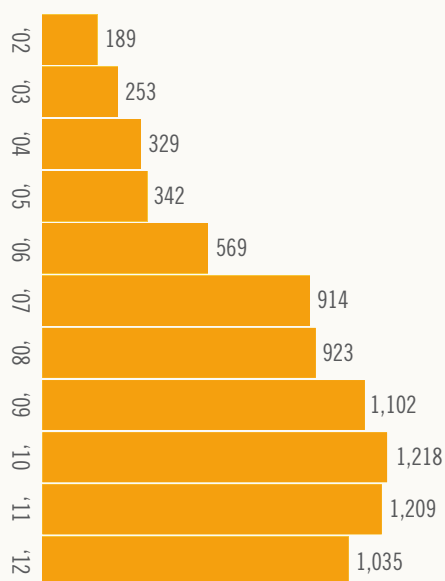


Source: PRX; USDA, WAOB, World Agriculture Supply and Demand Estimates, January 2013

* Calendar year estimates

Corn Displaced by DDG/CGF in Domestic Livestock Rations

(million bushels)



Source: ProExporter Network. Crop year ending Aug 31, 2012
*projections

TODAY, THE AVERAGE
U.S. FARMER FEEDS
155 PEOPLE

IN 1960, THE AVERAGE
U.S. FARMER FED
26 PEOPLE

95%

OF CORN FARMS ARE
FAMILY FARMS

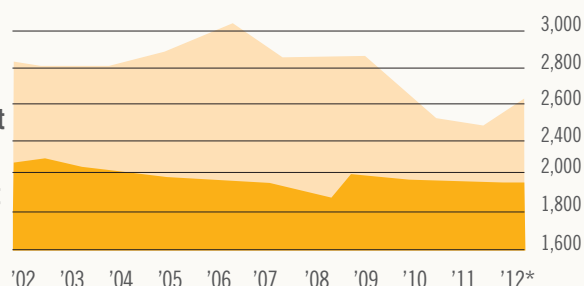
U.S. Corn Fed by Region

2002-2012

(million bushels)

Non-Corn Belt

Corn Belt



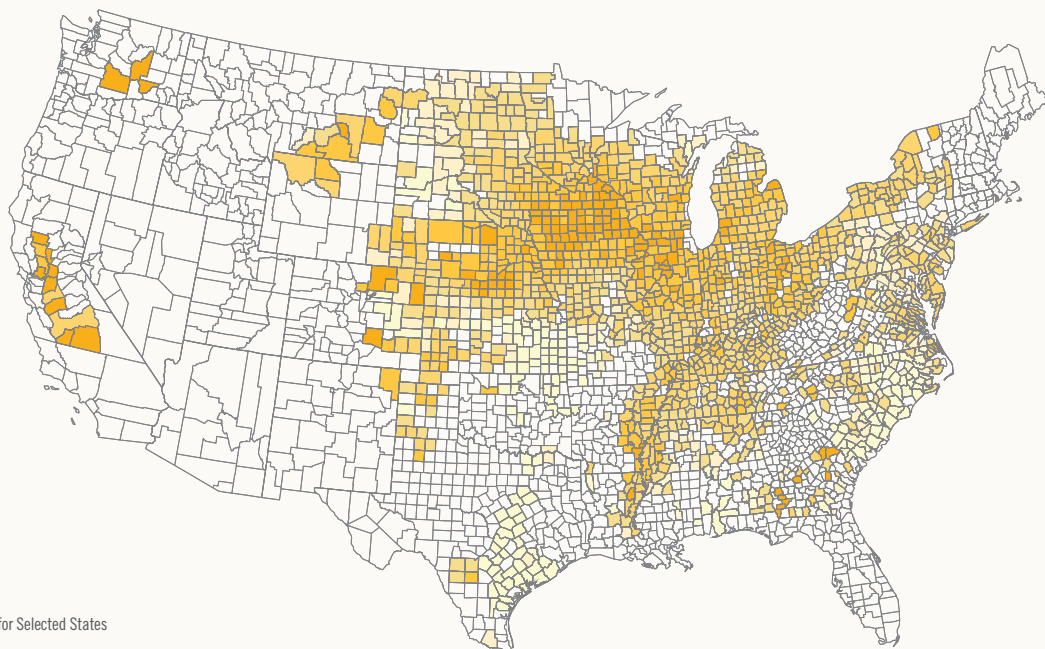
Source: ProExporter Network.
Crop year ending Aug. 31, 2012
*projections

WHAT IS THE CORN BELT?

The term 'Corn Belt' is thrown around a lot and generally refers to the upper Midwest. But is it really a 'belt'?

As you can see by this map from the USDA, significant yields occur in the Pacific Northwest, California's Central Valley, along the Mississippi River, and up the Eastern Seaboard from Georgia to Upstate New York.

It's easy to see why no other crop is truly more 'All-American' than corn.



Source: Map based on 2011 Yield Per Harvested Acre by County for Selected States
USDA, NASS

Corn Consumption Biotech

Everyday Sustainability

The Sustainable Resource

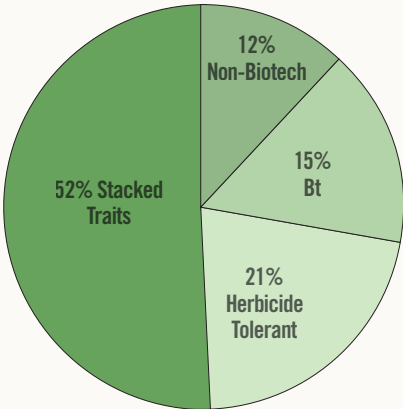
Innovation and research pave an even wider path for new uses derived from the kernel and germ oil. From foods, beverages, snacks and livestock feed to industrial uses in plastics, adhesives, pharmaceuticals, textiles and fuel, getting more yield drives this industry.

Biotech corn innovation offers distinct advantages under certain conditions and insect pressure, helping producers reduce yield loss during average growing conditions. Latest numbers conclude that biotech accounted for 88 percent of corn planted in 2012.



In addition to fuel, more plastics are being produced with sustainable resources like corn. This will reap great dividends in the future because nearly 10 percent of the world’s oil consumption is used to make plastics.

Biotech Share of U.S. Corn Acres Planted 2012



	(1,000 acres)
Non-Biotech	11,659
Insect Resistant	14,573
Herbicide Tolerant	20,403
Stacked Traits	50,521
Total	97,155

Source: USDA, NASS, Crop Production Annual, Jan 11, 2013

Percentage of Biotech Acreage 2010-2012

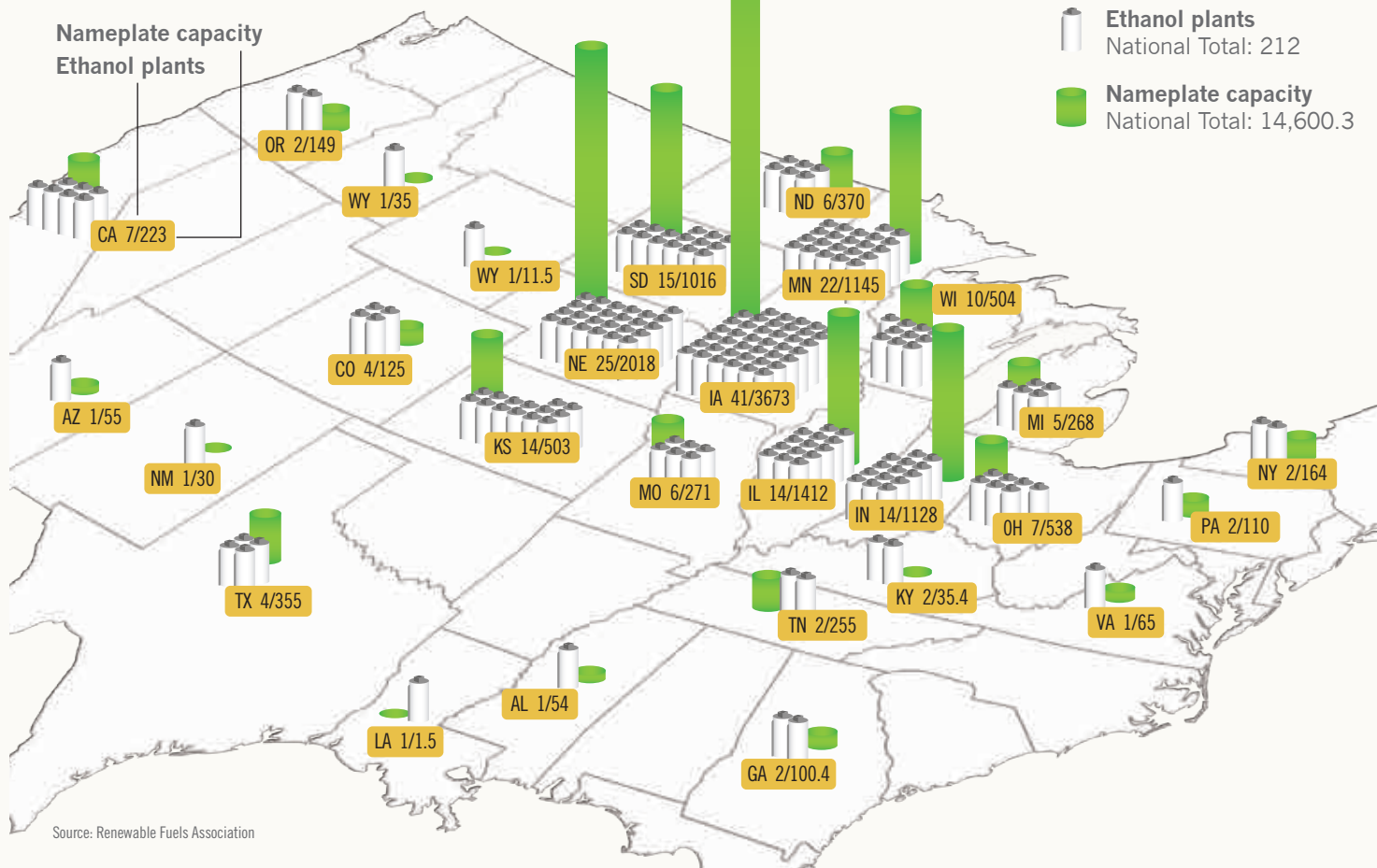
Year	Insect Resistant			Herbicide Tolerant			Stacked Traits			All Biotech Hybrids		
	'10	'11	'12	'10	'11	'12	'10	'11	'12	'10	'11	'12
Illinois	15	14	14	15	17	18	52	55	53	82	86	85
Indiana	7	7	9	20	22	15	56	56	60	83	85	84
Iowa	15	13	12	14	16	15	61	61	64	90	90	91
Kansas	22	28	20	28	22	19	40	42	51	90	92	90
Michigan	11	11	8	25	24	26	44	52	52	80	87	86
Minnesota	18	16	19	28	29	22	46	48	47	92	93	88
Missouri	15	27	18	19	22	20	45	36	48	79	85	86
Nebraska	22	15	16	24	26	20	45	52	55	91	93	91
North Dakota	22	26	17	34	32	36	37	39	43	93	97	96
Ohio	13	24	13	22	13	20	36	37	43	71	74	76
South Dakota	6	7	9	29	25	23	60	64	62	95	96	94
Texas	18	22	20	27	24	21	40	42	44	85	88	85
Wisconsin	13	18	10	29	27	23	38	41	53	80	86	86
Other	21	20	18	30	30	26	31	36	41	82	86	85
Total	16	16	15	23	23	21	47	49	52	86	88	88

Source: USDA, NASS, Acreage June 29, 2012

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.

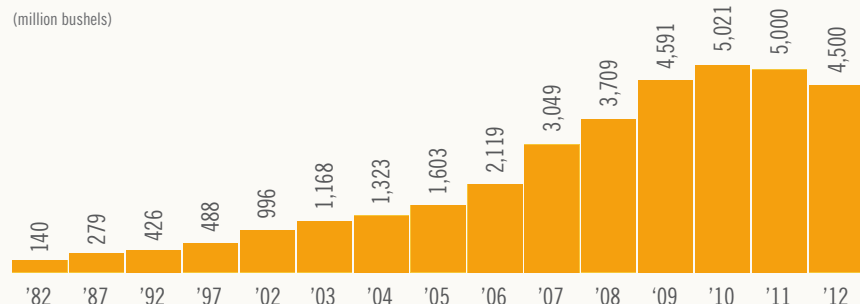
“The U.S. Department of Energy estimates for every one billion gallons of ethanol produced, 10,000 to 20,000 jobs are added to our domestic economy.”



Corn Used for Ethanol and DDG Production

1982-2012

(million bushels)



Source: USDA ERS, Feed Outlook, Jan. 15, 2013

*Crop year ending Aug. 31, 2013. Includes approximately 1.3 billion bushels to be used as distillers grains for livestock feed.

Source: ProExporter Network. Similar ratios apply for previous years.

Henry Ford designed the first Model T, produced in 1908, to run on pure ethanol.

Organizations

A Shared Vision

**From food and feed to fiber and fuel,
corn connects us all.**

While we individually consume this vital commodity, we gratefully acknowledge all customers and suppliers who continually bring great knowledge, value and efficiencies to the production and advancement of corn.



Over 23 million U.S. jobs are tied to agriculture from growing and distribution to processing and manufacturing. These organizations are working hard to ensure America's economy is thriving.

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) 515-2721
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) 466-4613
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

US 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) 613-4216
Buddy Adamson, Director
badamson@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
Marcia Crowley, Agricultural Manager
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Georgia Corn Growers Association
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