WORLD OF CORN 2015
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
U.S. Select Crop Value ($ billion)

<table>
<thead>
<tr>
<th>Crop</th>
<th>2013</th>
<th>2014</th>
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<td>Barley</td>
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<td>Sorghum</td>
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<td>Wheat</td>
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<td>Soybeans</td>
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<td>$40.48</td>
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<tr>
<td>Corn</td>
<td>$51.89</td>
<td>$61.68</td>
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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

Components of Yellow Dent Corn

Source: Corn Chemistry and Technology, 1999

World of Corn

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

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

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

In dry-grind ethanol process.
**In wet-mill ethanol process.
U.S. Corn Production

### 2014 U.S. Corn Production by State

<table>
<thead>
<tr>
<th>State</th>
<th>Acres Planted (1,000s)</th>
<th>Acres Harvested for Grain (1,000s)</th>
<th>Average Yield (bushel/acre)</th>
<th>Total Production (1,000 bushels)</th>
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</table>

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

### Historical Corn Performance, 1934–2014

#### U.S. Corn Acres Harvested (1,000 acre)

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

#### U.S. Corn Ending Stocks (million bushels)

Source: USDA, ERS Feed Outlook, Jan. 15, 2015

#### U.S. Corn Acres Planted (1,000 acre)

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

#### U.S. Corn Prices ($/bu)

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

*Estimated

**Projected for crop year Sept. 2014 – Aug. 2015

#### U.S. Average Corn Yield (bushels/acre)

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

#### U.S. Corn Crop Value ($ billion)

Source: USDA, WASDE, Jan. 12, 2015

*Estimated

**Projections
## Global Corn Production

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

**Exporting Nations**

- U.S.: 1,752 (38.8%)
- Brazil: 866 (19.2%)
- Ukraine: 472 (10.4%)
- Argentina: 472 (10.4%)
- Russia: 118 (2.6%)
- Other: 169 (3.7%)

**Importing Nations**

- Japan: 606 (13.4%)
- Mexico: 429 (9.5%)
- South Korea: 378 (8.4%)
- Egypt: 295 (6.5%)
- EU-27: 276 (6.1%)
- Iran: 217 (4.8%)
- Taiwan: 165 (3.7%)
- Brazil: 866 (19.2%)
- Argentina: 866 (19.2%)
- Russia: 866 (19.2%)
- India: 866 (19.2%)
- EU-27: 866 (19.2%)
- Burma: 866 (19.2%)
- Paraguay: 866 (19.2%)
- Other: 1,694 (37.5%)

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


### U.S. Corn Exports 1994-2014

- 2,177 (1994)
- 2,229 (1995)
- 2,388 (1996)
- 2,199 (1997)
- 2,199 (1998)
- 1,941 (1999)
- 1,888 (2000)
- 1,806 (2001)
- 1,899 (2002)
- 1,806 (2003)
- 1,796 (2004)
- 1,588 (2005)
- 1,588 (2006)
- 1,835 (2007)
- 1,796 (2008)
- 1,730 (2009)
- 1,750 (2010)

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


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

<table>
<thead>
<tr>
<th>Country</th>
<th>2011-12</th>
<th>2012-13</th>
<th>2013-14</th>
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<tr>
<td>Japan</td>
<td>453</td>
<td>270</td>
<td>466</td>
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<td>Mexico</td>
<td>401</td>
<td>180</td>
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<td>South Korea</td>
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<td>Colombia</td>
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<td>136</td>
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<tr>
<td>China</td>
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<td>94</td>
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<tr>
<td>Taiwan</td>
<td>61</td>
<td>21</td>
<td>71</td>
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*Source: USDA, ERS Feed Outlook, Jan. 14, 2015

### World Corn Production 2014-2015*

- U.S.: 11,845 (30.8%)
- Brazil: 7,002 (18.4%)
- Argentina: 4,724 (12.4%)
- Russia: 4,724 (12.4%)
- China: 4,724 (12.4%)
- Other: 4,724 (12.4%)

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


### World Corn Consumption 2014-2015*

- U.S.: 11,845 (30.8%)
- Brazil: 7,002 (18.4%)
- Argentina: 4,724 (12.4%)
- Russia: 4,724 (12.4%)
- China: 4,724 (12.4%)
- Other: 4,724 (12.4%)

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

Corn Consumption Overview

**Corn Processed by Segment**
1994-2014 (million bushels)

**Corn Usage by Segment**
2014 (million bushels)

Total Usage 13,595 million bushels

- **Exports** 1,750 million bushels (12.9%)
- **Fuel**
  - Ethanol 4,148 million bushels (30.5%)
- **DDGs** 1,027 million bushels (7.6%)
- **Starch** 250 million bushels (1.8%)
- **Cereal/Other** 200 million bushels (1.5%)
- **Beverage/Alcohol** 142 million bushels (1.0%)
- **Seed** 23 million bushels (0.2%)
- **High-Fructose Corn Syrup** 496 million bushels (3.6%)

**Food/Seed/Industrial Usage**
1984-2014 (million bushels)

**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
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 Consumption Ethanol

Corn Used for Ethanol and DDG Production
1984-2014
(million bushels)

Biotech Share of U.S. Corn Acres Planted
2014
(1,000 acres)

Percentage of Biotech Acreage
2012-2014

Source: USDA, NASS, Crop Production Annual Jan. 12, 2015

Source: USDA, NASS, Acreage Jun. 30, 2014

*Crop Year Ending Aug. 31, 2015

Source: USDA, ERS Feed Outlook, Jan. 15, 2015

*Crop Year Ending Aug. 31, 2015

Source: Renewable Fuels Association, Jan. 2015
Organizations

CORN PROCESSING
Corn Refiners Association (202) 331-1634 www.corn.org
North American Millers’ Association (202) 484-2200 www.namimillers.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
Renewable Fuels Association (202) 289-3835 www.ethanolrfa.org

FOOD AND SNACK CORN
Popcorn Board (312) 644-6610 www.popcorn.org
Snack Food Association (703) 896-4900 www.sfa.org

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

RENEWABLE FUELS
American Coalition for Ethanol (605) 334-3881 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.afa.org
National Cattlemen’s Beef Association (303) 694-0305 www.beef.org
National Grain & Feed Association (202) 289-0873 www.ngfa.org

STATE ORGANIZATIONS
Alabama Corn and Soy Growers Association (256) 382-3369
Mark Hall, Executive Director mark@alabamacorn.org
Alabama Wheat and Feed Grain Producers (334) 613-4216
Carla Moore Hornady, Director chornady@alafarmers.org
Arkansas Corn and Grain Sorghum Board (501) 228-1297
Ethan Branscum, Executive Director ethan.branscum@arfb.com
Colorado Corn Growers Association Colorado Corn Administrative Committee (970) 351-8201
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Georgia Agricultural Commodity Commission (404) 656-3678
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Georgia Corn Growers Association (229) 386-3006
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Illinois Corn Marketing Board (309) 827-0912
Rodney Weinzierl, Executive Director weinzierl@illinoiscorn.com www.icorn.org
Indiana Corn Growers Association Indiana Corn Marketing Council (800) 736-0195
(317) 347-3620
Jane Ade Stevens, Executive Director jadestevens@indianacorn.org www.icorn.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
Greg Krissek, Executive Director gkrissek@ksgrains.org www.ksgrains.com/ corn
Kentucky Corn Growers Association Kentucky Corn Promotion Council (859) 543-6764 (800) 326-0906
Laura Knuth, Executive Director laura@kycorn.org www.kycorn.org
Louisiana Soybean and Grain Research and Promotion Board (225) 922-6209
Kyle McCann, Executive Director kjem@lbf.org
Maryland Grain Producers Association Maryland Grain Producers Utilization Board (410) 956-5771
Lyne Hoot, Executive Director lyne.mdag@gmail.com www.marylandgrain.com
Michigan Corn Growers Association Corn Marketing Program of Michigan (517) 668-CORN (2676)
(888) 323-6601
Jim Zook, Executive Director zook@micorn.org www.micorn.org
Minnesota Corn Growers Association Minnesota Corn Research and Promotion Council (952) 233-0333
Adam Birr, Ph.D., Executive Director abirr@mngrain.com www.mncorn.org
Mississippi Corn Growers Association Mississippi Corn Promotion Board (662) 325-2311
Dr. Erick Larson elarson@ppss.msstate.edu
Missouri Corn Growers Association Missouri Corn Merchandising Council (573) 893-4181
Gary Marshall, CEO gmmarsh@moconnect.org www.mocorn.org
Nebraska Corn Board (402) 471-CORN (2676)
(800) 632-6704
Kelly Brunkhorst, Executive Director kelly.brunkhorst@nebraska.gov www.nebraskacorn.com
Nebraska Corn Growers Association (402) 438-6459
(308) 267-6479
Scott Merritt, General Manager smerritt@nebraska.gov www.necga.org
New York Corn and Soybean Growers Association (315) 778-1443
Julia Robbins, Executive Director julia Robbins@gmail.com www.nycom.org
Ohio Corn and Wheat Growers Association Ohio Corn Marketing Program (740) 201-8089
Tadd Nicholson, Executive Director tnicolson@ohiocommoditywheat.org www.ohioconwheat.org
North Dakota Corn Growers Association North Dakota Corn Utilization Council (701) 364-2265
Tom Lila, Executive Director tom@ndcorn.org www.ndcorn.org
Ohio Corn and Wheat Growers Association Ohio Corn Marketing Program (740) 201-8089
Tadd Nicholson, Executive Director tnicolson@ohiocommoditywheat.org www.ohioconwheat.org
Oklahoma Corn Growers Association (580) 338-1568
Raylon Earls, Acting President
Pennsylvania Corn Growers Association (610) 932-5785
H. Grant Troup, Executive Director info@pacorngrowers.org www.pacorngrowers.org
South Carolina Corn and Soybean Association (803) 356-3727
Kathy Fudge, Executive Director scagf@collabeforts.org www.sccsboybeans.org
South Dakota Corn Growers Association South Dakota Corn Utilization Council (605) 334-0100
Lisa Richardson, Executive Director lisal@sdcorn.org www.sdcorn.org
Tennessee Corn Growers Association (731) 536-6226
Polk Glover, Secretary/Treasurer polk@kein-tennwireless.com www.tncorn.com
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 Corn Producers Association (804) 726-6022
Katie Hellebush, Executive Director kate@virginiagrains.com www.virginiagrains.com
Wisconsin Corn Growers Association Wisconsin Corn Promotion Board (262) 495-2232
Robert Olsson, Executive Director wicolor@centurytel.net www.wicorn.org

US Poultry & Egg Association (770) 493-9401 www.poultry.org
Founded in 1957, the National Corn Growers Association represents more than 42,000 dues-paying corn farmers nationwide and the interests of more than 300,000 growers who contribute through corn check-off 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.