USDA
National Agricultural Statistics Service

Bruce Eklund, State Statistician

New Jersey Field Office

Agriculture counts and NASS counts for U.S. Agriculture
NASS Mission

To provide timely, accurate, and useful statistics in service to U.S. agriculture.

*Agriculture counts and NASS counts for U.S. Agriculture*
Prospective Plantings

Released March 31, 2011, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA).

Corn Planted Acreage Up 5 Percent from 2010
Soybean Acreage Down 1 Percent
All Wheat Acreage Up 8 Percent
All Cotton Acreage Up 15 Percent

Corn growers intend to plant 92.2 million acres of corn for all purposes in 2011, up 5 percent from last year and 7 percent higher than in 2009. If realized, this will be the second highest planted acreage in the United States since 1944, behind only the 93.5 million acres planted in 2007. Acreage increases of 250,000 or more are expected in Iowa, Kansas, Nebraska, North Dakota, Ohio, and South Dakota. The largest decrease is expected in Texas, down 150,000 acres.

Soybean planted area for 2011 is estimated at 76.6 million acres, down 1 percent from last year. If realized, the United States planted area will be the third largest on record. Compared with last year, planted acreage declines of 100,000 acres or more are expected in Iowa, Kansas, Mississippi, Nebraska, and Ohio. If realized, the planted area in New York and North Dakota will be the largest on record.

All wheat planted area is estimated at 58.0 million acres, up 8 percent from last year. The 2011 winter wheat planted area, at 41.2 million acres, is 10 percent above last year and up 1 percent from the previous estimate. Of this total, about 29.4 million acres are Hard Red Winter, 8.2 million acres are Soft Red Winter, and 3.7 million are White Winter. Area planted to other spring wheat for 2011 is estimated at 14.4 million acres, up 5 percent from 2010. Of this total, about 13.6 million acres are Hard Red Spring wheat. Durum planted area for 2011 is estimated at 2.37 million acres, down 8 percent from 2010.

All cotton plantings for 2011 are expected to total 12.6 million acres, 15 percent above last year. Upland acreage is expected to total 12.3 million acres, up 14 percent from 2010. American Pima acreage is expected to total 252,500 acres, up 24 percent from 2010. Cotton acreage increases are expected in every State. The largest increase, at 548,000 acres, is expected in Texas. Acreage increases of more than 100,000 acres are expected in North Carolina, Georgia, and Mississippi.

Agriculture counts and NASS counts for U.S. Agriculture
Program Areas

- Commodities
- Economics
- Environmental
- Census

Agriculture counts and NASS counts for U.S. Agriculture
Agriculture counts and NASS counts for U.S. Agriculture
New Jersey Land in Farms, 1950 to 2015

Agriculture counts and NASS counts for U.S. Agriculture
• Census reports for each State, Nation, and outlying areas
What Does NASS Do?

- Administer USDA’s Statistical Estimating Program and the 5-year Census of Agriculture
- Coordinate Federal/State Agricultural Statistical needs
- Statistical consulting for other Federal/State or private organizations and other countries
- Statistical Research

Agriculture counts and NASS counts for U.S. Agriculture
George Washington himself conducted first Ag. Survey

Purposed National Board of Agriculture

1839 Comm. of Patents - $1,000 seeds, Research, Ag Stats

1840 Census of Agriculture

Abe Lincoln created ‘the people’s department’

Division of Statistics

First crop report 1863

Crop Reporting Board (now called the Agricultural Statistics Board) 1905
<table>
<thead>
<tr>
<th></th>
<th>Farm Real Estate</th>
<th>Cropland</th>
<th>Pasture</th>
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<tr>
<td>CA</td>
<td>$7,700</td>
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<td>NM</td>
<td>510</td>
<td>1,400</td>
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<tr>
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<tr>
<td>RI</td>
<td>13,800</td>
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<tr>
<td>NJ</td>
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<tr>
<td>NE</td>
<td>5,020</td>
<td>5,330</td>
<td>3,480</td>
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</table>
Cash Rents

• Cropland, Irrigated, non irrigated, pastureland

• Quick Stats
  • State estimates the first week of August
  • County estimates the second week of September
  • Biannually

2015: US $144/acre  NJ $67/acre
Percentage of Farms with Women Principal Operators in Tri-States and U.S

- New Jersey
- New York
- Pennsylvania
- U.S.
Selected Farm Production Expenses
Census of Agriculture, New Jersey

Contract Labor  Hired Labor  Fertilizer, lime, & Soil conditioner  Chemicals  Seeds, Plants, Vines, etc  Livestock, poultry  Gasoline, fuel, oil  Utilities  Property taxes  Cash rents  All other expenses

Millions

2012  2007  2002

0  50  100  150  200  250  300  $
NJ Vegetables, Harvested Acres, as Percent of Harvested Cropland, 2012
Other 2012 Census of Agriculture Products

• Desktop Data Query Tool
• Agricultural Atlas
• Ag Census Web Maps
• Ag Census Highlights
Other 2012 Census of Agriculture Products - continued

- American Indian Reservations
- Watersheds
- Typology
- Special Organics Tabulation
- Years on Present Farm of Principal Operator
2012 Census of Agriculture Follow on Surveys

- 2013 Census of Aquaculture
- 2013 Farm and Ranch Irrigation Survey
- 2014 Census of Horticulture Specialties
- 2014 Organic Production Survey
- 2014 Tenure, Ownership and Transition of Agriculture Land
Data Collection

• Producers
• Objective measurement
• Remote sensing
Producers

Voluntarily Reporting for most reports
Mail, Telephone, Personal Interviews, Internet

Mandatory Reporting
Cold Storage plants with Dairy Products
Census of Agriculture

Agriculture counts and NASS counts for U.S. Agriculture
Remote sensing

Agriculture counts and NASS counts for U.S. Agriculture
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High Profile Uses of NASS Data

- U.S. principle economic indicators
- Farm Bill counter-cyclical payments
- Disaster payment determination
- Group Risk policy payments and premiums
- Livestock compensation program
- EPA risk analysis in re-registration of chemicals
- Levels the playing field for commodity markets

Agriculture counts and NASS counts for U.S. Agriculture
Other Uses of NASS Data

Farm business plans
Local lenders
Grants
Policy issues
  Local, State, Federal, International

*Agriculture counts and NASS counts for U.S. Agriculture*
Access reports at www.nass.usda.gov

Agriculture counts and NASS counts for U.S. Agriculture
Smattering of uses

• Level the playing field
• Importance of Agriculture
• Local information – no moderation in appetite
• Conservation on natural resources
• Pesticide use
• Policy impact on farms and rural America
• Trends
• Administer farm programs
Quick Stats - Download historic data for most commodities

Select Commodity (one or more)

<table>
<thead>
<tr>
<th>Program</th>
<th>Sector</th>
<th>Group</th>
<th>Commodity</th>
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<tbody>
<tr>
<td>CENSUS SURVEY</td>
<td>ANIMALS &amp; PRODUCTS</td>
<td>ANIMAL TOTALS</td>
<td>AG LAND</td>
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<td>CROPS</td>
<td>AQUACULTURE</td>
<td>AG SERVICES</td>
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<td>DEMOGRAPHICS</td>
<td>CROP TOTALS</td>
<td>AG SERVICES &amp; RENT</td>
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<td>DAIRY</td>
<td>AGRITOURISM &amp; RECREATIONAL SERVICES</td>
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<td>EXPENSES</td>
<td>ALMONDS</td>
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<td>FARMS, LAND &amp; ASSETS</td>
<td>ALPACAS</td>
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<td>FERTILIZER &amp; CHEMICALS</td>
<td>AMARANTH</td>
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<td>FIELD CROPS</td>
<td>ANIMAL SECTOR</td>
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<tr>
<td></td>
<td></td>
<td>FRUIT &amp; TREE NUTS</td>
<td>ANIMAL TOTALS</td>
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Select Location (one or more)

<table>
<thead>
<tr>
<th>Geographic Level</th>
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<tbody>
<tr>
<td>AGRICULTURAL DISTRICT</td>
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<tr>
<td>INTERNATIONAL</td>
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<tr>
<td>NATIONAL</td>
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<tr>
<td>REGION : MULTI-STATE</td>
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<tr>
<td>REGION : SUB-STATE</td>
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<tr>
<td>STATE</td>
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<tr>
<td>ZIP CODE</td>
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</table>

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Missing data

• Item imputation

• Missing Records
  • Must Cases

How do we know what we do not know?
Locations

HQ in Washington, DC
National Operations Center in Olivette, MO

12 Regional Field Offices
- Harrisburg, PA
- Little Rock, AK
- Sacramento, CA
- Denver, CO
- Athens, GA
- Des Moines, IA
- Louisville, KY
- East Lansing, MI
- Lincoln, NE
- Olivette, MO

• 33 other Field Offices
Need Help?

www.nass.usda.gov

www.nass.usda.gov/nj

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