



# Cultivating Cumberland

September - 2018 VOL. 23, ISSUE 9

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### We Now Charge Sales Tax on Pesticide Manuals

Effective immediately, we are now required to collect sales tax on the Pesticide Manuals that we sell in our office. We can accept the sales tax exemption certificates (ST-7 form) if you have one. You will need to fill out the certificate and give it to us, and we will keep it on file for future purchases. We accept cash, credit cards or checks, but would prefer payment by check if that's possible.

### 2018 Bear Hunt

Governor Murphy signed an Executive Order directing the Department of Environmental Protection (DEP) to close all public lands under the Department's jurisdiction to bear hunting for the 2018 season. This includes all State forests, State parks, State recreation areas, State historic sites, State Wildlife Management Areas and State natural areas.

Farmers may continue to apply for Depredation Permits on their private land through the Division of Fish & Wildlife. There is no limit to the number of depredating black bears that may be taken.

Farmers may also apply for a Special Farmer Black Bear Permit for the two segments of the 2018 Black Bear Season. Only the owner or lessee of a farm, who resides on the farm, or members of his/her immediate family, 10 years of age or older, who also resides on the farm may apply for this permit. There is a bag limit of one bear. There is no fee. The application deadline is September 1, 2018. Farmers who applied for this permit previously, do not need to reapply provided that their information and farm situation has not changed.

Farmers that lease state-owned land from Fish & Wildlife or Parks & Forestry must request approval to obtain a Depredation Permit from the Landlord prior to applying for such a permit.

### **Spotted Lanternfly Confirmed**

The Spotted Lanternfly has been confirmed to be found in Hunterdon County. Hunterdon joins Mercer and Warren Counties where the Spotted Lanternfly has been confirmed in New Jersey. The first two sightings led the Department to quarantine the three counties last month to prevent the spread of the Spotted Lanternfly. The Lanternfly is in its full adult stage now and while it prefers the Tree of Heaven as its host, it can feed on more than 70 different types of plant life, including vegetables and fruits, such as grapes and hops. To date, almost 1,200 direct hits have been made on the checklist on the NJDA Spotted Lanternfly site at <https://www.state.nj.us/agriculture/divisions/pi/prog/spottedlanternfly.html>. Staff will continue to investigate all inquiries made to its hotline 1-833-BAD-BUG-0 or sent to the email address at [SLF-plantindustry@ag.nj.gov](mailto:SLF-plantindustry@ag.nj.gov)

### **New Jersey Crop Forecasts**

**TRENTON, NJ** -- Apple production is forecast at 49.2 million pounds, up 17 percent from last year's crop. Peach production is forecast at 32 thousand tons, up 13 percent from 2017. If realized, New Jersey would have the nation's third largest peach crop, behind only California and South Carolina. New Jersey cranberry production totaled 556,000 barrels, up 23 percent from the 2017 crop of 451,200 barrels and also third nationally.

Soybean production is forecast at 4.72 million bushels, up 6 percent from the previous year, driven by increased acreage. Based on August 1 conditions, yield is forecast to average 40.0 bushels per acre, down 5.0 bushels from 2017. Producers expect to harvest 504,000 cwt of summer potatoes in 2018.

All reports are available electronically, at no cost, on the NASS web site at [www.nass.usda.gov](http://www.nass.usda.gov). Both national and state specific reports are available via a free e-mail subscription. To set-up this free subscription, visit [www.nass.usda.gov](http://www.nass.usda.gov) and click on "National" or "State" in upper right corner above "search" box to create an account and select the reports you would like to receive.

*For the complete "Crop Production" report, go to:*

<https://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1046>

Contact Bruce Eklund  
(503) 308-0404

## **Fire Inspections on Commercial Farms in New Jersey**

***Information received from the New Jersey Department of Community Affairs - Divisions of Fire Safety and Codes & Standards is summarized below to provide guidance to the agricultural community regarding the Uniform Fire Safety Act and accompanying Fire Code.***

- “Commercial Farm” is defined in accordance with the Right-to-Farm Act.
- We have been informed by the Division of Fire Safety and Codes and Standards that the current focus of fire safety concern is farm labor housing.
- Essential safeguards and limits on occupancy will be required to allow buildings without a valid Certificate of Occupancy (CO) for a housing use to continue to be occupied until after the current growing season.
- Sufficient time (i.e. 180 days) will be provided to abate other violations.
- Farm equipment is NOT under the provisions of the Fire Code.
- Either smoke alarms or hard wired interconnected smoke detectors will be required depending on the layout of the structure. Emergency lighting, exit signs and discharge lighting may also be required depending on building size and layout.
- If any fuel burning equipment is present, carbon monoxide alarms will be required.
- All other buildings that are located on a “commercial farm”, except for owner-occupied one and two-family dwellings, must be inspected and comply with all applicable provisions of the Fire Code.
- If the building was built prior to 1977 and does not possess a valid CO issued under the Uniform Construction Code (UCC), then it must comply with Subchapter 4 Retrofit Code requirements under the Uniform Fire Code.
- Buildings built under the UCC (after 1977) must possess a valid CO for the use that they are being utilized for.
- Structures built after 1977 that do not possess a valid CO or possess a CO for a use that is different than the current use, will be referred to the local Construction Official for follow up.
- Fire Officials will make sure that imminent hazards such as locked doors and lack of smoke alarms are corrected immediately.
- At a recent Fire Inspector training we were told that Inspectors will also inspect for:
  - o Hazardous conditions from defective or improperly used or installed wiring, equipment or appliances.
  - o Fuel dispensing and tank/container storage.
  - o Vacant buildings that are unsecure or falling down.
  - o Work or systems without proper permits.
  - o Appropriate storage in barns and greenhouses.
  - o Cutting/welding areas

## Farm Storage Facility Loans

FSA's Farm Storage Facility Loan (FSFL) programs provides low-interest financing to producers to build or upgrade storage facilities and to purchase portable (new or used) structures, equipment and storage handling trucks.

The low-interest funds can be used to build or upgrade permanent facilities to store commodities. Eligible commodities include corn, grain sorghum, rice, soybeans, oats, peanuts, wheat, barley, minor oilseeds harvested as whole grain, pulse crops (lentils, chickpeas and dry peas), hay, honey, renewable biomass, fruits, nuts and vegetables for cold storage facilities, floriculture, hops, maple sap, rye, milk, cheese, butter, yogurt, meat and poultry (unprocessed), eggs, and aquaculture (excluding systems that maintain live animals through uptake and discharge of water). Qualified facilities include grain bins, hay barns and cold storage facilities for eligible commodities.

Loans up to \$50,000 can be secured by a promissory note/security agreement and loans between \$50,000 and \$100,000 may require additional security. Loans exceeding \$100,000 require additional security.

Producers do not need to demonstrate the lack of commercial credit availability to apply. The loans are designed to assist a diverse range of farming operations, including small and midsized businesses, new farmers, operations supplying local food and farmers markets, non-traditional farm products, and underserved producers.

To learn more about the FSA Farm Storage Facility Loan, visit [www.fsa.usda.gov/pricesupport](http://www.fsa.usda.gov/pricesupport) or contact your local FSA county office. To find your local FSA county office, visit <http://offices.usda.gov>

## New Rutgers Fact Sheet

The following fact sheets are now available:

FS1295	Soil Fertility Recommendations for Producing Grass Hay Joseph Heckman <a href="https://njaes.rutgers.edu/fs1295">https://njaes.rutgers.edu/fs1295</a>
FS1296	Jersey Summer Shore Safety: Wetsuit Recycling Steve Yergeau <a href="https://njaes.rutgers.edu/fs1296">https://njaes.rutgers.edu/fs1296</a>

## **Pesticide Container Recycling Program 2018**

**Helena Chemical**  
66 Route 206 (North of the Route 30/206 intersection)  
Hammonton, New Jersey  
Friday, September 7th  
9:00 am to 12:00 pm (Noon)

**Helena Chemical**  
440 N. Main St.  
Woodstown, New Jersey  
Friday, September 14<sup>th</sup>  
9:00 a.m. to 12:00 p.m. (Noon)

### Trade Mitigation Programs

On August 27, 2018 Secretary of Agriculture Sonny Perdue announced the U.S. Department of Agriculture is authorizing up to \$12 billion in trade mitigation programs, which is directly in line with the estimated impact of unjustified tariffs on U.S. agriculture. The Department will be using three different programs to facilitate this mitigation:

- The Market Facilitation Program
- The Food Purchase and Distribution Program, and
- The Agricultural Trade Promotion Program

USDA's Agricultural Marketing Service (AMS) will administer the Food Purchase and Distribution Program to purchase up to \$1.2 billion in commodities. The specific commodities to be purchased are those impacted by unjustified tariffs imposed by other nations.

Amounts to be purchased are based on an economic analysis of the damage caused by tariffs illegally imposed on these crops by some U.S. trade partners. The chart below sets forth the commodities that will be purchased by AMS through the Food Purchase and Distribution Program. Farmers and vendors can learn more on the AMS webpage, [Selling Food to USDA](#)

<u>Commodity</u>	<u>Food Purchases Target Amount (in \$1,000s)</u>
Apples.....	\$93,400
Apricots.....	\$200
Beef .....	\$14,800
Blueberries .....	\$1,700
Cranberries.....	\$32,800
Dairy .....	\$84,900
Figs.....	\$15
Grapefruit .....	\$700
Grapes.....	\$48,200
Hazelnuts .....	\$2,100
Kidney Beans .....	\$14,200
Lemons/Limes .....	\$3,400
Lentils .....	\$1,800
Macadamia .....	\$7,700
Navy Beans .....	\$18,000
Oranges (Fresh) .....	\$55,600
Orange Juice .....	\$24,000
Peanut Butter.....	\$12,300
Pears .....	\$1,400
Peas .....	\$11,800
Pecans.....	\$16,000
Pistachios .....	\$85,200
Plums/Prunes .....	\$18,700
Pork .....	\$558,800
Potatoes .....	\$44,500
Rice .....	\$48,100
Strawberries .....	\$1,500
Sweet Corn.....	\$2,400
Walnuts.....	\$34,600
Total .....	\$1,238,800

Purchases will be spread over several months. USDA's Food and Nutrition Service will distribute these commodities through nutrition assistance programs such as The Emergency Food Assistance Program and child nutrition programs. For details on purchases as they happen, see the AMS webpage, [Purchase Programs: Solicitations and Awards](#).

For more information regarding the Food Purchase and Distribution Program please contact Christopher Purdy at [Christopher.Purdy@ams.usda.gov](mailto:Christopher.Purdy@ams.usda.gov) or 202-720-3209.

Source URL: <http://www.ams.usda.gov/selling-food-to-usda/trade-mitigation-programs>

## **Harmonized GAP Plus+ Achieves Technical Equivalence**

Wes Kline

The USDA Harmonized GAP Plus+ Audit has achieved Technical Equivalence against Version 7.1 of the Global Food Safety Initiative (GFSI) Benchmarking Requirements. “Technical equivalence means producers utilizing this one-stop USDA audit also meet other U.S. and international regulatory and market requirements” according to Greg Ibach, Under Secretary for Marketing and Regulatory Programs. GFSI certification assists industry selling in international markets, including distributors in the European Union and Japan where GFSI certification is often required. The USDA program fulfills the technical requirements of GFSI, the Food and Drug Administration’s Food Safety Modernization Act Produce Safety Rule, the industry driven Produce GAP Harmonization Initiative and industry best practices.

There are three different audits administered by USDA. The basic audit is the “USDA Good Agricultural Practices Good Handling Practices Audit” which was updated in September 2014. The second is “Produce GAPs Harmonized Food Safety Standard” updated January 2018. USDA incorporated the FSMA Produce Safety Rule requirements in this audit. The last “Harmonized GAP Plus+ Standard” was developed for operations that need to meet GFSI standards for export or the domestic market which was approved in August 2018. It has more provisions than the Harmonized audit to be able to comply with GFSI.

## **It’s Cover Crop Time**

Wes Kline

As we move into fall it is time to think about what cover crop to plant. Cover Crops return organic matter to the soil, provide winter cover, reduce certain disease and other pests, provide nitrogen for the following crop if a legume is included and improves soil physical properties.

Selecting the right cover crops depends on the purpose, how early it can be planted and how long it needs to survive. Small Grains and ryegrasses are the most common over winter cover crops. Oats will winter kill in most years, but the others such as grain rye, barley or winter wheat will survive through the spring and can be used as wind breaks for early plantings. Brassica species such as forage radishes have become more important for reducing soil compaction.

Pages 43 and 44 in the 2018 Mid-Atlantic Commercial Vegetable Production Recommendations Guide has a summary of the different cover crop options, seeding rates and timing.

## Calendar of Important Events

✓ Indicates the newly added event since last calendar

### September 2018

#### **September 12**

**MidAtlantic Women in Agriculture: Soil Maps for Production Agriculture;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018-Wednesday-webinars-tickets>

#### ✓**September 13**

**Regulatory Training in Underground Storage Tanks;** Rutgers Eco Complex- Bordentown, NJ, auditorium, 1200 Florence-Columbus Rd, Bordentown, NJ 08505; Registration fee is \$295. To register go to [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271– press “2” for registration

#### **September 17-19**

**American Hort, Plug & Cutting Conference;** 555 South McDowell Street, South Tower, Charlotte, NC, 28204; For young plant producers and growers to learn the newest and best strategies, technologies and techniques; Register at [AmericanHort.org/Plug](http://AmericanHort.org/Plug)

#### **September 21**

**CORE Training Program for the NJ Pesticide Applicators License;** Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 12:30-4:30p.m. 6 CORE credits assigned for this class. Registration fee \$145.00. For more information call Carol Broccoli 848-932-7207

#### **September 24-26**

**2018 United Fresh Washington Conference;** 1901 Pennsylvania Ave NW #1100, Washington, DC 20006; Registration begins at 7:00 a.m. everyday; March on Capitol Hill: U.S. House & Senate Congressional Meetings on 9/25 at 2:30 - 5:30 p.m.; Tickets sold separately for United FreshPAC Reception & Dinner on 9/25 at 6:15 p.m. - 9:00 p.m. For more information contact Angela Tiwari, Director of Grassroots and Political Action 202-303-3416

#### **September 26-27**

**Sensory Evaluation;** University Inn & Conference Center, 178 Ryders Lane, New Brunswick, NJ. Registration \$945 by 9/12; \$975 after. Continental breakfast and deli buffet lunch provided. Day 1 check in 8:00 a.m.; class runs 8:30 a.m. - 4:30 p.m. For more information call Suzanne Hills, Coordinator 848-932-7234

#### **September 26**

**MidAtlantic Women in Agriculture: Farm Recordkeeping;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018-Wednesday-webinars-tickets>

#### ✓**September 27**

**OSHA 8-hr HAZWOPER Refresher;** Rutgers Eco Complex- Bordentown, NJ, auditorium, 1200 Florence-Columbus Rd, Bordentown, NJ 08505; This one-day hands-on practical course is designed to meet the 8-hour annual refresher training requirements under OSHA's Hazardous Waste Operations and Emergency Response regulation [29 CFR 1910.120(e)]; Registration fee is \$260; To register go to [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271– press “2” for registration

**September 28**

**Making Sense of the Numbers: Statistics for Food Scientists;** University Inn & Conference Center, 178 Ryders Lane, New Brunswick, NJ; 8:30 a.m. - 4:30 p.m. Check in time 8:00 a.m. Registration \$395 by 9/14; \$450 after. For more information call Suzanne Hills, Program Coordinator 848-932-7234

**October 2018****October 4**

**Invasive Plant Symposium;** Convened by the Connecticut Invasive Plant Working Group UConn Student Union, Storrs, CT. For more information visit [www.cipwg.uconn.edu](http://www.cipwg.uconn.edu) or call 860-486-6448

**October 10**

**MidAtlantic Women in Agriculture: Smart Choice Health Insurance Basics;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018-Wednesday-webinars-tickets>

**October 11-12**

**BioControls Conference and Expo;** Rochester Riverside Hotel, 120 E Main Street, Rochester, NY 14604; Introduction to the latest biological products and techniques; specialized workshop and local tour sessions; For more information or to register go to <https://www.biocontrolsconference.com/usa-east/about/>

**October 12-13**

**Fall Flower and Garden Fest;** Truck Crops Experiment Station, 2024 Experiment Station Road, Crystal Springs, MS 39059; 9:00 a.m.-2:00 p.m.; For more information contact the Mississippi County Extension office, or call 601-892-3731.

**✓October 12-15**

**Hydroponic Intensive Workshops;** Controlled Environment Agriculture Center, 1951 East Roger Rd, Tucson, AZ 85719; CEAC's unique facilities support a quality learning experience, where knowledge from classroom lectures is immediately applied in the greenhouse. Ticket cost is \$1,195; Register at [CEAC.Arizona.edu](http://CEAC.Arizona.edu); For more information call Danae, the program coordinator, at 520-626-9566 or email her at [danaem@email.arizona.edu](mailto:danaem@email.arizona.edu)

**✓October 16-18**

**HACCP Plan Development for Food Processors;** Rutgers University Inn & Conference Center in New Brunswick, NJ; 3-day course 9:00 a.m.—4:30 p.m.; \$995 per person before October 2, 2018; Continental breakfast and deli lunch buffet are included; Credits available: Certified Food Scientist—17.75 CHs; Credits available: NJ Public Health Continuing Education Contact Hours-18 CE; Contact Suzanne Hills with questions at 848-932-7234; Register at <https://ce-catalog.rutgers.edu/coursedisplay.cfm?schID=68318>

**October 19-22**

**American Society of Landscape Architects (ASLA) Annual Meeting and Expo;** Philadelphia, PA. For more information call 847-996-5829; email [asla@experient-inc.com](mailto:asla@experient-inc.com); or to register visit <https://www.aslameeting.com>

**October 19**

**CORE Training Program for the NJ Pesticide Applicators License;** Extension Conference Center, 18 Ag Extension Way, New Brunswick, NJ; 12:30-4:30p.m. Registration fee \$145.00. 6 CORE credits assigned for this course. For more information call Carol Broccoli 848-932-7207.



**October 24**

**2018 Petal It Forward;** Join the nationwide effort to show others the positive impact flowers have on our emotional well being by incorporating Petal It Forward in your town. For more information visit [www.safnow.org](http://www.safnow.org) or email [safnow.org/piform](mailto:safnow.org/piform)

**October 24**

**MidAtlantic Women in Agriculture: Preparing Your Marketing Efforts for the Holidays;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018/Wednesday-webinars-tickets>

**✓October 24**

**LSRP Case Study Training: The Next Generation;** Douglass Campus Center - Traves Hall Meeting Rooms, DCCMRC, Nichol Ave & George St, New Brunswick, NJ 08901; This course satisfies the prerequisite course requirement for the LSRP Licensing Exam. Registration fee is \$280. To register go to [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271– press “2” for registration

**October 25**

**The Landscape Conference;** Rutgers EcoComplex, 1200 Florence Columbus Rd., Bordentown, NJ 08505; Pesticide Credits assigned to this conference; More information coming soon. To register go to [www.njnla.org](http://www.njnla.org); Call 609-291-7070 with questions

**✓October 25**

**Fall Field Day– Sports Field Managers Association of NJ;** Manahasset Creek Park, 536 Long Branch Creek Park Ave, Long Branch, NJ 07740; 7:30 a.m.-- 2:30 p.m.; Free for members that pre-register; \$10 for members on the day of; non-members is \$25; Contact Debra Savard, Executive Secretary, at 856-514-3179 or [mail@sfmanj.org](mailto:mail@sfmanj.org)

**November****November 1**

**Farm Lease Agreements;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018/Wednesday-webinars-tickets>

**✓November 1**

**New! Fundamentals of NSR/PSD Permitting;** Cook Student Center, CCC202ABC, 59 Biel Road, New Brunswick, NJ 08901; Registration fee is \$280. To register go to [www.cpe.rutgers.edu](http://www.cpe.rutgers.edu) or call 848-932-9271 - press “2” for registration

**November 7-8**

**Northeast Greenhouse Conference and Expo;** Boxborough Regency Hotel, 242 Adams Pl, Boxborough, MA 01719; Come visit vendors at the trade show with three dedicated hours in each day of the program. Contact Karen Forbes at [Karen@delaneymeetingevent.com](mailto:Karen@delaneymeetingevent.com) or visit [www.negreenhouse.org](http://www.negreenhouse.org)

**November 7-8**

**Growing Innovations;** Las Vegas Convention Center, 3150 Paradise Rd, Las Vegas, NV 89109; A pioneering conference and exhibition that unites growers and advisors from across all specialty crops to address the most pressing on-farm challenges, from pre-production through post-harvest. Register at [growing-innovations.com](http://growing-innovations.com)

**November 14**

**Farm Lease Agreements;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018/Wednesday-webinars-tickets>

**November 14**

**Rutgers Climate Symposium 2018;** Climate Change and Food Security; Beach Student Center, Piscataway, NJ; Stimulating collaboration among natural and social services researchers and students interested in climate change from institutions in the NJ, NY and Philadelphia region. Complete details and registration coming soon.

**November 15-16**

**Pacific Northwest Vegetable Association Conference & Trade Show;** Three Rivers Convention Center 7016 W Grandridge Blvd, Kennewick, WA 99336; Ticket sales start July 1, \$110-\$550, Register at <https://www.eventbrite.com/e/2018-pacific-northwest-vegetable-association-conference-and-trade-show-registration-43723580406>

**November 28**

**GMO;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018/Wednesday-webinars-tickets>

**November 28-30**

**National Council of Agricultural Employers Ag Labor Forum;** Tropicana 3801 S Las Vegas Boulevard, Las Vegas, NV 89109, Register online at <http://ncaeonline.org/register/>. For more information call 202-629-9320

**December****December 3-7**

**2018 Irrigation Show, Long Beach Convention & Entertainment Center;** 300 East Ocean Boulevard, Long Beach, California 90802; Provides the industry's most comprehensive list of education offerings hands-on access to the latest products and technologies; valuable programs, events and sessions designed to help you improve your irrigation practices. Call 703.536.7080 with questions.

**December 12**

**Using an LLC to Strengthen Your Farm Operation;** Webinar series held 2nd & 4th Wednesdays each month at noon. Cost is free. To register visit: <https://www.eventbrite.com/e/2018/Wednesday-webinars-tickets>

**January 2019**✓ **January 9-11**

**MANTS 2019;** Baltimore Convention Center, One West Pratt Street, Baltimore, MD. For more information call 800-431-0066; email [info@mants.com](mailto:info@mants.com) or visit [www.mants.com](http://www.mants.com)

✓ **January 17-19**

**Future Harvest: Chesapeake Alliance for Sustainable Agriculture 20th Anniversary Conference;** 3501 University Blvd E, Hyattsville, MD 20783; Contact Agatha Grimsley with questions at 540-520-9522 or by email [Agatha@futureharvestcasa.org](mailto:Agatha@futureharvestcasa.org)

## REGULARLY SCHEDULED MEETINGS

✓ Indicates meeting will be held at RCE of Cumberland County

<p>✓</p> <p><b>Pesticide Certification Exam Schedule—Cumberland County</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel)</p> <p><u>2018</u></p> <p>Sep 20    Oct 18</p> <p><b>To Register call 609-984-6614 For directions call 856-451-2800</b></p> <p>*****</p>	<p><b>Cumberland County Agriculture Development Board</b> County Administration Bldg. Freeholder Room 164 W. Broad Street Bridgeton, NJ 08332</p> <p><u>2018</u></p> <p>Sept 11 Oct 9    Nov 13    Dec 11</p> <p><b>Reg. Meetings start at 7 p.m. Information call 856-453-2211</b></p> <p>*****</p>	<p>✓</p> <p><b>Cumberland County Board Of Agriculture</b> 291 Morton Avenue Millville, NJ 08332 (Between Rosenhayn &amp; Carmel) 7 pm meetings</p> <p><u>2018</u></p> <p>Sept 20 Oct 18    Nov 15    Dec 20</p> <p><b>For info call Hillary Barile, President 856-453-1192</b></p> <p>*****</p>
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**Cumberland County Improvement Authority (CCIA)  
Pesticide Container Recycling  
9:00 a.m. to 12 Noon**

Cumberland County Solid Waste Complex  
169 Jesse's Bridge Rd. (located off Route 55 Exit 29)  
Deerfield Township, New Jersey

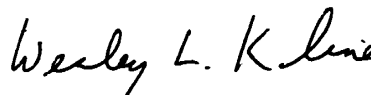
Questions? Call Division of Ag & Natural Resources, NJ Dept. of Ag 609-292-2242

Program in Cumberland County suspended until further notice.

Sincerely,



Salvatore S. Mangiafico, Ph.D.  
County Agent II/Associate Professor  
Environmental & Resource Management  
Internet: Mangiafico@njaes.rutgers.edu



Wesley L. Kline, Ph.D.  
County Agent II/Associate Professor  
Vegetable & Herb Production  
Internet: wkline@njaes.rutgers.edu

**Pesticide User Responsibility:** Use pesticides safely and follow instructions on labels. The user is responsible for the proper use of pesticides, residues on crops, storage and disposal, as well as damages caused by drift.

**Use of Trade Names:** Trade names are used in this publication with the understanding that no discrimination is intended and no endorsement is implied. In some instances the compound may be sold un-

Have you visited the Cumberland County website for the Present and/or past issues of "Cultivating Cumberland"? It's a great resource for information and dates.....

<http://Cumberland.njaes.rutgers.edu/>

Public Notification and Non-discrimination Statement

Rutgers Cooperative Extension is an equal opportunity program provider and employer. Contact your local Extension Office for information regarding special needs or accommodations. Contact the State Extension Director's Office if you have concerns related to discrimination, 848-932-3584.

*Cooperative Extension of Cumberland County*

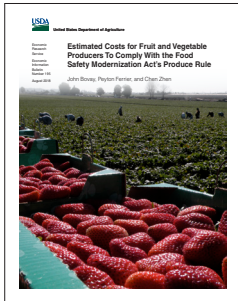


1915-2017

NONPROFIT ORGANIZATION  
U.S. POSTAGE PAID  
VINELAND, NJ  
PERMIT NO. 186

Cooperative Extension of Cumberland County  
Extension Education Center  
291 Morton Avenue  
Millville, NJ 08332-9791

**RUTGERS**  
New Jersey Agricultural  
Experiment Station



# Estimated Costs for Fruit and Vegetable Producers To Comply With the Food Safety Modernization Act's Produce Rule

John Bovay, Peyton Ferrier, and Chen Zhen

## What Is the Issue?

In an effort to improve food safety by reducing foodborne illnesses, the Food Safety Modernization Act of 2011 (FSMA) empowered the U.S. Food and Drug Administration (FDA) to impose new regulatory requirements on food producers and handlers, to expand requirements for and inspections of food imports, and to issue mandatory recalls of food. As a result, FDA gained expanded authority to regulate fresh-produce production practices at the farm level. The FSMA Produce Rule will be implemented in phases beginning in 2018 and will affect farms supplying almost all fresh produce sold in the United States.

As part of the rule-making process, FDA estimated the cost of compliance with the Produce Rule for a few broad categories of farms distinguished by annual produce sales value and exemption status. In its analysis, FDA estimated the total costs of compliance to be \$368 million for domestic farms (annualized over 10 years, using a 7-percent discount rate) but did not estimate the costs by commodities or regions. Using those original FDA estimates, this study provides estimates of the cost of compliance with the Produce Rule by commodity, State, and farm size (based on sales). The findings of the study have implications for understanding future competitiveness of smaller farms and markets for locally grown fruits and vegetables and enable researchers to characterize effects of FSMA on retail prices, by commodity.

## What Did the Study Find?

The many fixed costs associated with the administrative and personnel components and the food safety process components of complying with the Produce Rule cause compliance costs to be higher as a share of revenue for smaller farms. For this reason, fruit and vegetables produced on larger farms are estimated to have smaller compliance costs than those produced primarily on small farms. Findings on the annual costs of compliance with the Produce Rule upon full implementation of the rule in 2022 include the following:

- Farms with annual produce sales over \$3,450,000 account for 58.6 percent of U.S. farm produce sales and are estimated to incur annual costs of compliance of about 0.3 percent of the value of their produce sales. Farms with annual produce sales between \$500,000 and \$700,000 are estimated to incur annual costs of compliance of about 4.2 percent. Small farms (annual sales between \$250,000 and \$500,000) and very small farms (annual sales between \$25,000 and \$250,000) are estimated to incur annual costs of 6.0 percent and 6.8 percent, respectively.

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- Very small farms that qualify for a partial exemption from the rule are estimated to incur annual costs of around 2.4 percent of the value of their produce sales, compared with 6.8 percent for nonexempt farms of the same size.
- The annual costs of compliance with the Produce Rule are estimated to add about 0.3 percent to the farm cost of producing romaine lettuce (lowest among vegetables considered in this study) and 3.0 percent to the farm cost of producing snap beans (highest among vegetables).
- The annual costs of compliance with the Produce Rule are estimated to add about 0.7 percent to the farm cost of honeydew (lowest among fruits considered in this study). Among fruits primarily grown domestically for U.S. consumption, the highest farm cost is estimated at 3.0 percent for pears. These differences in cost of compliance across commodities reflect differences in farm sizes; fully regulated farms that grow honeydew tend to have much larger value of sales than fully regulated farms that grow pears.
- Differences in estimated cost of compliance, by State and county, depend on the average value of sales for farms subject to the FSMA Produce Rule in each locality. Fully regulated farms in Arizona tend to be quite large; on average, farms in Arizona that are subject to the FSMA Produce Rule are estimated to have the lowest annual cost of compliance among all States, at 0.6 percent of produce sales revenue. Farms in nine States with smaller produce-growing farms (Vermont, Arkansas, Minnesota, Kentucky, Mississippi, Iowa, Alabama, South Dakota, and Alaska) are estimated to have average compliance costs of 3.0 percent or higher.
- Our estimates of compliance costs assume that no farms are already in compliance prior to the enactment of the Produce Rule, thereby representing upper bounds on actual compliance costs. If large shares of farms were already in compliance prior to implementation of the rule, then actual compliance costs will be below our estimates.

## **How Was the Study Conducted?**

This study drew on the FDA's published estimates of the 10-year cost of complying with the Produce Rule to develop a function that relates each farm's produce sales to its cost of complying with the rule. Using data from the 2012 Census of Agriculture, researchers first computed estimates of the cost of compliance for regulated farms falling within different farm size categories, with varying implementation timelines and possible exemptions over the 2016 to 2022 period. They then calculated the average estimated cost of compliance by county and State for different farm sales categories and by fresh-produce commodity.



# NORTHEASTERN REGION 2017 FARM PRODUCTION EXPENDITURES REPORT

United States Department of Agriculture  
NATIONAL AGRICULTURAL STATISTICS SERVICE  
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## ATLANTIC REGION FARM PRODUCTION COSTS TOP \$43 BILLION IN 2017

**Farm Production Expenditures in the Atlantic Region** are estimated at \$43.1 billion for 2017, up from \$42.1 billion in 2016. The 2017 total farm production expenditures are up 2.4 percent compared with 2016 total farm production expenditures. For the 17 line items, 11 showed an increase from the previous year, while the rest showed a decrease.

The four largest expenditures for the Atlantic Region total nearly \$23.1 billion and account for 53.6 percent of total expenditures in 2017. These include feed, 22.1 percent; farm services, 11.6 percent; labor, 10.1 percent; and livestock, poultry and related expenses, 9.8 percent.

In 2017, the Atlantic Region Total Farm expenditure average per farm is \$106,117 compared with \$103,074 in 2016, up 3.0 percent. On average, Atlantic Region farm operations spent \$23,447 on feed, \$12,351 on farm services, \$10,703 on labor, and \$10,334 on livestock, poultry and related expenses. For 2016, Atlantic Region farms spent an average of \$23,082 on Feed, \$12,483 on farm services, \$11,162 on labor, and \$9,252 on livestock, poultry and related expenses.

Total fuel expense for the region is \$1.59 billion. Diesel, the largest sub-component, is \$890 million, accounting for 56.0 percent. Diesel expenditures are up 7.2 percent from the previous year. Gasoline is \$310 million, up 6.9 percent. LP gas is \$250 million, up 47.1 percent. Other fuel is \$140 million, up 40.0 percent from the previous year.

**Farm Production Expenditures in the United States** are estimated at \$359.8 billion for 2017, up from \$346.9 billion in 2016. The 2017 total farm production expenditures are up 3.7 percent compared with 2016 total farm production expenditures. For the 17 line items, 13 showed an increase from the previous year, while the rest showed a decrease.

The four largest expenditures at the United States level total \$176.2 billion and account for 49.0 percent of total expenditures in 2017. These include feed, 15.3 percent, farm services, 12.2 percent, livestock, poultry, and related expenses, 11.7 percent, and labor, 9.8 percent.

In 2017, the United States total farm expenditure averaged per farm is \$176,352, up 4.3 percent from \$169,035 in 2016. On average, United State farm operations spent \$27,056 on feed, \$20,635 on livestock, poultry, and related expenses, \$21,468 on farm services, and \$17,204 on labor. For 2016, United States farms spend an average of \$27,092 on feed, \$20,319 on farm services, \$19,491 on livestock, poultry and related expenses, and \$16,616 on labor.

Total fuel expense is \$12.0 billion. Diesel, the largest sub component, is \$7.6 billion, accounting for 63.3 percent. Diesel expenditures are up 2.7 percent from the previous year. Gasoline is \$2.2 billion, up 4.8 percent. LP gas is \$1.4 billion, up 22.4 percent. Other fuel is \$780 million, up 21.9 percent.

The United States economic sales class contributing most to the 2017 United States total expenditures is the \$1,000,000 - \$4,999,999 class, with expenses of \$114.9 billion, 31.9 percent of the United States total, up 1.7 percent from the 2016 level of \$113.0 billion. The next highest is the \$5,000,000 and over class with \$84.2 billion, up from \$80.6 billion in 2016.

## Farm Production Expenditures by Farms Reporting, Average per Farm, and Total, Atlantic Region <sup>2</sup> & U.S. <sup>1</sup>, 2016-2017

[Totals may not add due to rounding]

Expenditure	Farms reporting		Average per farm		Total expenditures	
	2016	2017	2016	2017	2016	2017
	(percent)	(percent)	(dollars)	(dollars)	(million dollars)	(million dollars)
<b>Atlantic Region <sup>2</sup></b>						
Livestock, poultry and related expenses	30.2	32.2	9,252	10,334	3,780	4,200
Feed	69.0	61.5	23,082	23,447	9,430	9,530
Farm services	95.0	91.3	12,483	12,351	5,100	5,020
Rent	27.9	19.8	4,259	3,961	1,740	1,610
Agricultural chemicals	42.5	33.5	2,839	2,805	1,160	1,140
Fertilizer, lime and soil conditioners	59.2	50.7	5,361	4,970	2,190	2,020
Interest	26.1	32.8	2,325	2,608	950	1,060
Taxes	100.0	100.0	3,916	4,232	1,600	1,720
Labor	25.0	20.9	11,162	10,703	4,560	4,350
Fuel	91.4	91.7	3,402	3,912	1,390	1,590
Farm supplies and repairs	87.9	87.6	6,242	6,446	2,550	2,620
Farm improvements and construction	50.3	52.7	5,972	6,840	2,440	2,780
Tractors and self-propelled farm machinery	13.1	13.2	3,696	3,740	1,510	1,520
Other farm machinery	14.4	16.1	1,713	1,968	700	800
Seeds and plants	34.4	35.6	5,385	5,536	2,200	2,250
Trucks and autos	8.6	12.3	1,738	2,067	710	840
Miscellaneous capital expenses	5.5	3.7	245	197	100	80
Total farm production expenditures	100.0	100.0	103,074	106,117	42,110	43,130
<b>United States <sup>1</sup></b>						
Livestock, poultry and related expenses	25.7	27.7	19,491	20,635	40,000	42,100
Feed	57.3	56.7	27,092	27,056	55,600	55,200
Farm services	91.1	91.5	20,319	21,468	41,700	43,800
Rent	30.0	27.2	14,521	14,557	29,800	29,700
Agricultural chemicals	45.4	40.8	7,407	7,597	15,200	15,500
Fertilizer, lime and soil conditioners	50.4	47.8	11,451	10,783	23,500	22,000
Interest	32.0	32.8	4,434	4,852	9,100	9,900
Taxes	99.5	99.6	5,799	6,372	11,900	13,000
Labor	25.8	24.0	16,616	17,204	34,100	35,100
Fuel	83.6	84.4	5,506	5,882	11,300	12,000
Farm supplies and repairs	80.4	81.2	8,576	8,970	17,600	18,300
Farm improvements and construction	48.8	49.6	7,065	8,038	14,500	16,400
Tractors and self-propelled farm machinery	13.0	13.3	5,165	6,176	10,600	12,600
Other farm machinery	15.1	15.2	2,436	2,892	5,000	5,900
Seeds and plants	36.3	38.5	10,623	10,881	21,800	22,200
Trucks and autos	11.6	13.9	2,144	2,696	4,400	5,500
Miscellaneous capital expenses	5.2	4.8	390	294	800	600
Total farm production expenditures	100.0	100.0	169,035	176,352	346,900	359,800

<sup>1</sup> Excludes AK and HI.

<sup>2</sup> Atlantic Region consists of CT, DE, KY, ME, MD, MA, NH, NJ, NY, NC, PA, RI, TN, VA, VT, WV.

For the complete "Farm Production Expenditures Annual Summary" report, go to <http://usda.mannlib.cornell.edu/MannUsda/viewDocumentInfo.do?documentID=1066>

The "Farm Production Expenditures Annual Summary" and all other NASS reports are available online at [www.nass.usda.gov](http://www.nass.usda.gov).

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