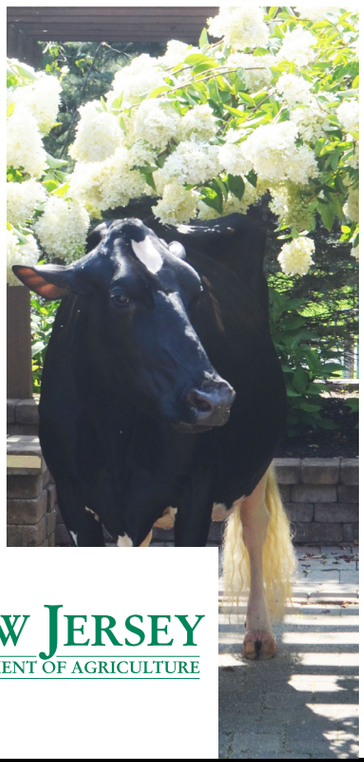
2021 ANNUAL REPORT AND AGRICULTURAL STATISTICS

Philip D. Murphy, Governor
New Jersey Department of Agriculture
Douglas H. Fisher, Secretary of Agriculture



NEW JERSEY
DEPARTMENT OF AGRICULTURE

A MESSAGE FROM SECRETARY OF AGRICULTURE

Douglas H. Fisher

We are pleased to offer this Annual Report to you as we do each year pursuant to N.J.S.A. 4:1-14. It includes many of the highlights and achievements by each of our Divisions within the New Jersey Department of Agriculture.

New Jersey has 10,000 farms on approximately 750,000 acres, growing more than 100 different crops. Our diverse industry continues to evolve and meet the needs of consumers not only here, but across the country and beyond. While adapting to a changing world landscape on so many important initiatives, one thing that does not waver is the dedication and commitment of our agricultural community. Producing the fruits and vegetables, nursery and landscape products, and livestock grown and raised here, our farmers are some of the most talented, creative, and innovative on the planet.

Our Agricultural and Natural Resources, Animal Health, Food and Nutrition, Marketing and Development, and Plant Industry Divisions, as well as the SADC play vital roles in serving the agricultural community. Whether it's Ag Education, right to farm, testing of animals and plants, promoting Jersey Fresh, ensuring our school children and others are fed nutritious meals, or preserving our precious farmland and more, we are proud of the work the professionals in our Department do each day to serve you.

About the cover: New Jersey has a very diverse agricultural industry. We rank in the top four in the country in cranberry production each year as the top cover photo was taken at Cutts Brothers Farm in Burlington County. We also have farmers whose tireless work places the Garden State in the top 10 in production of several commodities, including bell peppers, which the farmers were delivering at the bottom left photo, and cucumbers. We were fortunate to meet Sprinkles, the winner of the New Jersey Holstein Show during the summer, and we saw our nursery industry on full display with a visit to Overdevest Nurseries in the fall. Above, Secretary Fisher takes a carriage ride with Chet Halka in Monmouth County, At right, Secretary Fisher talks with Senator Cory Booker at a Somerset County event last summer.

Secretary Fisher visits with Matt Duffield during the fall agritourism season at the Gloucester County farm.

2021-22
New Jersey State Board of Agriculture

David DeFrange II
President
Hunterdon County
Nursery Industry

Dr. Ernest Beier
Vice President
Gloucester County
Livestock Industry

Kurt Alstede
Board Member
Morris County
Fruit Industry

Paul Hlubik
Board Member
Burlington County
Hay/Grain Industry

Barney Hollinger
Board Member
Cumberland County
Aquaculture

Debbie Norz
Board Member
Somerset County
Vegetable Industry

Lisa Specca
Board Member
Burlington County
Vegetable Industry

Holly Sytsema
Board Member
Sussex County
Dairy Industry

After meeting virtually for almost all of 2020 due to COVID-19, some State Board of Agriculture meetings were held in-person in 2021. The July meeting took place at the Horse Park of New Jersey and was the first time the 2020-21 board, led by President Erick Doyle and Vice President Al Natali, was in-person at the same location.

Beneficial Insect Lab Receives Funding

Secretary Fisher announced that the Phillip Alampi Beneficial Insect Laboratory (PABIL) received $4.2 million in funding from the Board of Public Utilities State Facilities Initiative to receive important upgrades to the facility that opened in 1985. The top priority will be to renovate the lab's HVAC system. Of the 33 temperature-controlled rooms, as many as 18 had been unusable. The funds will also go toward making major repairs to the HVAC system and to upgrade the greenhouse control systems.

"This funding will allow for essential upgrades to the laboratory so staff can continue the outstanding work it has provided for decades," Fisher said.

"This is one of the few state government labs of this type in the United States that rears beneficial insects. The lab produces environmentally friendly solutions for control of invasive pests while saving millions of dollars by restricting the use of pesticides."

Some of the PABIL programs that have helped New Jerseyans and others across country include the Mexican Bean Beetle program, which has allowed farmers and gardeners to not apply pesticides to control the beetle since 1985; the Mile-a-Minute program, where a weevil is released to defoliate the weed that can grow as much as six inches a day, choking out trees and other vegetation; and the Purple Loosestrife Program, where small beetles were released to invasive wetlands as the weed changes the wetlands environment essential to native wildlife.

Joe Atchison III Named Assistant Secretary

Secretary Fisher announced the appointment of Joe Atchison III, pictured at left, of Cherry Hill, N.J., as the Assistant Secretary of Agriculture. Atchison has been the Director of the Division of Marketing and Development and will continue in that role as well.

Atchison directs a division which handles promotion of New Jersey's agricultural products via several programs, most notably, Jersey Fresh fruits and vegetables; conducts Food Safety Modernization Act and other critical inspections; administers several regulatory programs including dairy registration; USDA Specialty Crop Block and other promotional grants; licensing and bonding; coordinates the New Jersey State Agricultural Convention; and oversees several equine programs.

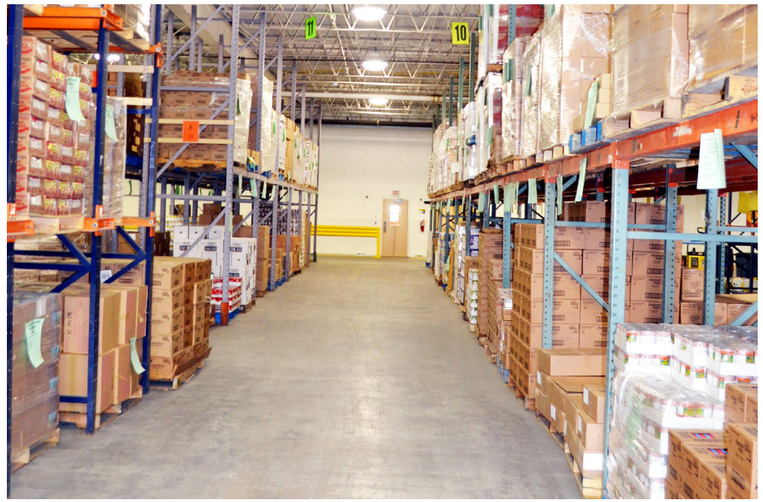
Two New Members Join State Board Of Agriculture

Burlington County farmer Lisa Specca and Morris County farmer Kurt Alstede, pictured at right, were sworn in to their terms on the New Jersey State Board of Agriculture during the July meeting of the Board at The Horse Park of New Jersey. The session also included the annual officer reorganization where Hunterdon County's David DeFrange II was elected President and Gloucester County's Dr. Ernie Beier Vice President.

Specca and her husband Dave Specca, own and operate Specca Farms in Burlington County. It is a fourth-generation family owned and operated vegetable farm. The farm markets directly to the public through a pick-your-own operation and seasonal farmers markets.

Alstede is the General Manager of Alstede Farms, a first-generation operation that is family owned and was built over the last 40 years evolving from raising hay, grain, and wholesale vegetables to becoming an entirely retail based business with nearly 800 acres of tree fruits, small fruits, vegetables, and flowers. All of the farm's output is sold through the on-farm store, pick your own, tailgate markets, and Community Supported Agriculture.

NJDA Distributes $10 Million To Emergency Feeding Organizations



It was announced in November that $10 million from American Rescue Plan State Fiscal Recovery Funds was being distributed to emergency feeding organizations. The funds were provided through a Memorandum of Understanding with the Department of Community Affairs and were allocated through The Emergency Food Assistance Program (TEFAP). The amount given to each of the six emergency feeding operations was based on the number of people they serve. Those amounts were Community Food Bank of New Jersey, $5.3 million; Food Bank of South Jersey, $1.5 million; Fulfill, $1.5 million; Mercer Street Friends, $1.1 million, NORWESCAP, $300,000, and the Southern Regional Food Distribution Center, $300,000.

Minch Named Ag And Natural Resources Director

Secretary Fisher announced in December the appointment, of Frank Minch, pictured at right, of Raritan Township, as Director of the Department's Division of Agricultural and Natural Resources.

Since 2013, Minch has served as Executive Secretary of the State Soil Conservation Committee (SSCC), which has oversight responsibility for the 14 Soil Conservation Districts and the State Soil and Water Conservation Cost Share Program. He also has managed the development of the Animal Waste Management Program and served as a liaison to the Department of Environmental Protection, Department of Community Affairs, Department of Transportation and USDA-Natural Resources Conservation Service.

Minch joined the Department in 2001 as an Erosion Control Specialist supporting the SSCC Executive Secretary and the Soil Conservation Districts. The Division plays a critical role in promoting resource conservation measures and service programs to the agricultural community and public.

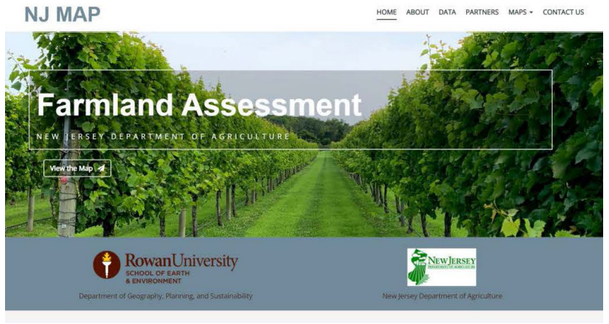
2021
Accomplishments Overview

Division of
AGRICULTURAL AND NATURAL RESOURCES

Frank Minch
Division Director

The Division of Agricultural and Natural Resources plays a critical role in promoting resource conservation measures and service programs to the agricultural community and the public. The Division's role includes providing interagency coordination and assistance in the area of Soil Conservation, Water Conservation, Municipal Planning Review, Farmland Assessment, Uniform Construction Code, Sales Tax, Highlands agricultural development, Motor Vehicle matters, Animal Waste Management, water allocation, composting drought assistance, and composting and source separated food waste. Also, the Division houses the Office of Aquaculture Coordination which gives technical and marketing assistance, the Agricultural Education program which offers State FFA Chapters assistance as needed, and the National Agricultural Statistics Service which works with the agricultural industry in New Jersey.

Collaboration with Rowan Results In Online Mapping Assessment Tool



The Department partnered with the Rowan University GeoSpatial Research Lab to provide an open access tool that allows users in the agricultural and governance community to access, view and print soils reports by tax parcel. The tool incorporates a number of components, capabilities, and functionalities that benefit the farmland assessment process and other programs that rely on soil data, such as the Farmland Preservation Program.

This updated information is readily available and accessible to the public and municipal officials who use this information for farmland assessment evaluation.

Issues accessing productivity information arose as historic information became outdated and not easily accessible to the public. In 2019, a legislative mandate was passed for the NJDA to develop an accessible mapping platform. The NJDA consulted the USDA-Natural Resource Conservation Service (NRCS) to identify an alternative method to assess soil productivity. The USDA-NRCS National Commodity Crop Productivity Index (NCCPI) was identified. The NCCPI is a method of arraying the soils of the United States for non-irrigated commodity crop production based on their inherent soil properties. This is an established method which directly correlates with current and future soil series mapping.

Aquaculture Farms Seeking Protections For Right To Farm

The State Legislature introduced a bill to amend the Right to Farm Act to clarify eligibility for aquaculture producers. Aquatic farms are currently covered by the right to farm program, however, the connection to farmland assessment and contiguous parcels for acreage calculations serve to limit eligibility for this sector of agriculture. A holistic review of the program has been underway and continues as staff work with the industry and our partners to make sure aquaculture has the same protections afforded to terrestrial farms.

State FFA Officers Elected At Convention

The 2021-2022 New Jersey State FFA officer team was elected as part of the 92nd Annual State FFA Convention. The state officers represent New Jersey FFA at several state and national functions throughout the year, including visiting FFA chapters throughout New Jersey.

The officers, pictured at right, with the chapters they represent are Abigail Goodenough (Northern Burlington), State President; Ivan Moore, (Salem Tech), State Vice President; Emily Sadlon, (Northern Burlington), State Secretary; Jonathan Finney, (Salem Tech), State Treasurer.

"I know each of our officers are dedicated to the FFA mission and have the best interest of all of our chapters as a top priority," said New Jersey State FFA Advisor and Food, Agriculture and Natural Resources Education Program Leader Erin Noble. "I know this group will represent New Jersey by being outstanding ambassadors at state and national FFA events. We are anticipating a great 2021-22."

Some state officer duties throughout the year include assisting chapters in the execution of their program of activities; encouraging FFA members to participate in food, agriculture and natural resources education and FFA programs; maintaining positive relations with members, the agribusiness sector, the public and others interested in agricultural education; traveling to FFA chapters around the state 2-3 times per month; assisting at career development events, and representing New Jersey FFA at events of other state agricultural organizations.

Department Assists With Restoration At Teaneck Creek

NJDA engineering staff continued to provide support to Soil Conservation Districts and the regulated public, remotely and through several field visits throughout the year. One project this year was the restoration of the wet land at Teaneck Creek Park. It involved removing all existing vegetation, much of which was invasive, and re-establishing native species.

The entire flood plain park was stripped of vegetation and has been regraded to create pools (pictured at right) and small diversion channels and is being replanted with specialized plants.

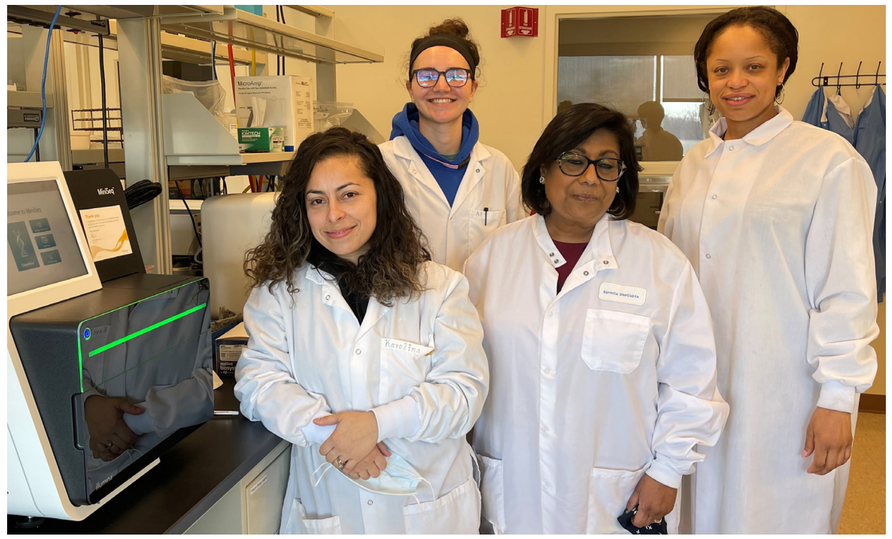
Division of

ANIMAL HEALTH

Diagnostic Lab At Forefront Of Industry

Dr. Manoel Tamassia
Division Director

The Division of Animal Health maintains disease control programs to protect the health and well-being of livestock in New Jersey. The Division tracks information about emerging diseases around the world that may impact the Garden State, conducts epidemiological investigations of livestock diseases, operates an animal health diagnostic laboratory, authorizes and oversees two contagious equine metritis quarantine facilities for imported horses, and supports an aggressive livestock welfare program. In addition, the Division is involved with animal emergency preparedness and response, especially during disasters that affect the health, safety and welfare of animals and their owners.



Advancements Include Next Generation DNA Sequencing

The Division's Animal Health Diagnostic Laboratory (AHDL) is the only animal health laboratory in New Jersey and performed over 26,000 tests, analyses, and examinations on animal samples in 2021. The AHDL's technological advancement is accelerating animal and public health protection on behalf of the State of New Jersey. The AHDL implemented a next-generation DNA sequencing method to track food borne disease outbreaks, COVID variants, and antimicrobial resistance emergence. The technology implementation is an example of collaboration between the State and the federal Food and Drug Administration (FDA) to enhance animal and public health in New Jersey. The next-generation technology will enhance the speed at which food-borne diseases, COVID variants, and antimicrobial resistance are identified compared to traditional testing methods. The AHDL also improved efficiency of its pathologic disease diagnosis by implementing an automated workflow for tissue processing and staining for examination by a veterinary pathologist. The workflow helped process approximately 4,000 tissue specimens efficiently to diagnose animal diseases in pets, livestock, wildlife, zoo, and marine animals. The AHDL secured additional funding from the USDA National Animal Health Laboratory Network (NAHLN) to increase foreign, emerging, and zoonotic disease testing capabilities in high throughput manner.

Division Oversees Contagious Equine Metritis Facilities

The state's two Contagious Equine Metritis (CEM) Quarantine facilities have operated this year with continued oversight by the Division of Animal Health. As this federally led program involves an official state quarantine with specific release criteria, it will be integrated into N.J.A.C. 2:5. This addition to the administrative code will reflect the program's use of New Jersey state quarantine rules and implementation. Through the first 11 months of 2021, there were a total of 157 horses that had completed the CEM quarantine process in a New Jersey facility. This is a 29 percent increase in the total number of horses during the same period in 2020. Continued support for the New Jersey CEM quarantine program enriches the state's involvement in the nation's equine industry, a vital component of the agricultural economy.

Department Gives Approval For Vaccine To Help Prevent Rabbit Hemorrhagic Disease

The Department approved the sale of a rabbit hemorrhagic disease virus, serotype 2 (RHDV2) vaccine to help prevent rabbit hemorrhagic disease, which is highly contagious and often fatal for domestic and wild rabbits. While the virus has not yet been detected in New Jersey, it has been found in rabbits in the U.S., mainly in the Western States. RHDV2 cannot be transmitted from rabbits to humans or other animals.

"Rabbit hemorrhagic disease (RHD) is very unforgiving and can decimate susceptible rabbit populations," New Jersey State Veterinarian Dr. Manoel Tamassia said. "We are very fortunate to have this experimental vaccine available to use before the disease reaches New Jersey. This is a head start rarely seen when dealing with these diseases. Rabbit owners should discuss the risks and benefits of vaccinating their rabbits against RHD with their veterinarian."

RHDV2 can cause acute death. Clinical signs associated with RHDV2 can include fever, bloody nasal discharge, hemorrhages, seizures, other neurological signs, difficulty breathing, inappetence, and lethargy. A strain of RHDV2 first emerged in Europe in 2010.

The United States Department of Agriculture, Center for Veterinary Biologics granted an Emergency Use Authorization as an experimental vaccine to protect against RHDV2. The vaccine is an inactivated recombinant vaccine given as a two-dose series, 21 days apart. The vaccine is available to New Jersey licensed veterinarians for in-state administration to domestic rabbits. Pet rabbit owners are encouraged to speak with their licensed veterinarian regarding RHDV2 vaccination.

Agreement With USDA Leads To Live Bird Market Inspections

Under a USDA cooperative agreement over the past year, the Division has consistently tested 39 live bird markets on a regular basis for Avian Influenza. The Division has an aggressive Avian Influenza program and solid regulatory authority to keep the disease from the live bird markets, protecting birds and people.

Based on quarterly testing at each market, the Division tested 5,148 birds, an average of 1,287 each quarter. Additional testing occurred at auctions, poultry distributor locations and crate wash facilities, adding another 3,200 birds or approximately 800 per quarter. Testing was performed on sick and dead birds, including necropsy examinations requested by owners or as part of a disease investigation.

The Division secured additional funding in a new cooperative agreement to help eradicate Avian influenza H2N2 from the region's live bird markets, allowing 1,385 more birds to be tested.


SPRING
DAIRY

Division of

FOOD AND NUTRITION

Rose Chamberlain
Division Director

The Division of Food and Nutrition administers the National School Lunch Program, the School Breakfast Program, Special Milk Program, Afterschool Snack Program, Summer Food Service Program, Child and Adult Care Food Program, Family Day Care Program, USDA Food Distribution Program and The Emergency Food Assistance Program.

Child Nutrition programs operate in public and nonpublic schools, residential and nonresidential childcare institutions, day care centers, family day care homes, adult day care centers, recreation centers, and other agencies.

Food Distribution coordinates the allocation and distribution of USDA Foods to sponsors of the above nutrition programs.

The Emergency Food Assistance Program further distributes to food insecure citizens through a network of food banks.

Stillwater Is Eat Right, Move More Champ

The Department and the New York Jets honored Stillwater Township Elementary School from Sussex County on Sunday, November 21 at the Jets/Miami Dolphins football game at MetLife Stadium in East Rutherford for its nutrition and wellness achievements.

Stillwater School was the 2020-21 Grand Champion in the Department of Agriculture's Jets Play 60 Eat Right, Move More Program, a collaboration between the Jets, the New Jersey Department of Agriculture, and the American Dairy Association North East. The program encourages New Jersey school children to take advantage of healthy foods in their school cafeterias and become more active. Also, as part of its award, the school received a $20,000 grant.

Stillwater students, teachers and staff attended the game. They recorded a short video played on the stadium's large video board during a break in the game as the school's achievement was announced.

The students who attended were Joseph Berrocal, Lincoln Hennet, Mia Keiling, Gianna DeStefano, and Julia Bunnell.

FFVP Participation In Record 202 Schools

The Department announced 202 New Jersey schools are participating in the 2021-2022 Fresh Fruit and Vegetable Program (FFVP), the highest number since the program began in 2008.

The Fresh Fruit and Vegetable Program is being offered in 16 counties, including new additions in Gloucester and Somerset, and 36 new schools.

FRESH fruit & vegetable PROGRAM

School Meals Remain Priority As COVID Causes More Changes

Since March of 2020, the Division of Food and Nutrition has been able to navigate through over 100 nationwide waivers issued by the USDA in order to give sponsors flexibilities in providing meals to children in New Jersey. The most challenging task was the rapid implementation of the Seamless Summer Option Program in collaboration with the technology team. Quick turnaround was required of program staff to develop, revise, and execute the necessary system updates in the web-based School Nutrition Electronic Assessment and Reimbursement System (SNEARS).

More than 600 School Food Authorities (SFAs) were approved to operate the Seamless Summer Option Program through the end of June 2021, with another 69 SFAs approved to operate the Summer Food Service Program through June. Under the Seamless Summer Option, almost 119 million breakfasts and lunches were provided to children attending schools participating in the National School Lunch Program. In the current 2021-2022 school year, there are 740 SFAs approved to operate the Seamless Summer Option Program and continue to provide free meals to all enrolled students.

Farm to School Week Celebrations Continue

Jersey Fresh Farm to School Week is designated as the last week of each September by a law signed in 2010. During this week, the New Jersey Department of Agriculture showcases schools that connect with New Jersey farmers to purchase local produce for school meals to increase student consumption of fresh fruits and vegetables.

The influence of the Farm to School Program has led to more than 250 schools purchasing local produce from their main distributor, more than 200 districts buying local produce directly from farms and using a curriculum that ties cafeteria meals to healthy eating education, and more than 100 districts organizing field trips to farms.

While COVID-19 has prevented the Department from doing in-school visits, several schools make it a priority to highlight their Farm to School Programs, such as the DeWitt D. Barlow School in Plainfield, pictured at right.

Jersey Fresh Farm to School Week will take place this year during the week of September 26-30 where the top school and a farm that is involved in the program are recognized.

Accomplishments Overview

Division of

MARKETING AND DEVELOPMENT

Joe Atchison III
Assistant Secretary of Agriculture
Division Director

The Division of Marketing and Development plays a critical role in enhancing the markets of New Jersey farm products by developing and expanding markets, both here and abroad. The Division also promotes New Jersey's racing and pleasure horse industries. In addition, the Division provides regulatory and service programs to the agricultural community, in accordance with policies of the State Board of Agriculture and the state so as to enable abundant supplies of fresh, wholesome, and safe agricultural commodities and products at affordable costs.

Jersey Fresh Produce Unparalleled

Secretary Fisher and Division staff made several visits to highlight Jersey Fresh produce as it came into season throughout the year. Some of the crops that were highlighted included asparagus, to kick off the season at Katona Farms with Chip Katona, pictured above, as well as peppers, blueberries, peaches, and apples. Jersey Fresh marketing initiatives included special promotions at the Jersey shore that featured giveaways for blueberries and peaches. Secretary Fisher also made early season stops at the Collingswood and Haddonfield Farmers Markets in Camden County.

New Jersey was a top five producer in the country for nine different crops in 2020.

New Jersey was No. 2 in the country in the production of peppers, according to the USDA. Garden State growers harvested nearly 105 million pounds of peppers on 3,800 acres for a production value of $56 million. In terms of pounds produced, peppers ranked as the No. 1 crop in New Jersey last year.

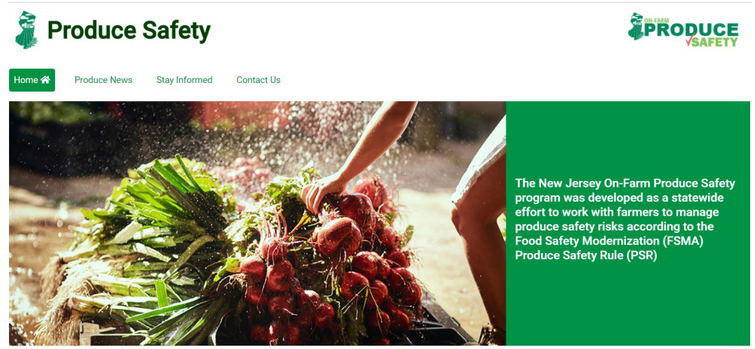
Along with being No. 2 in peppers, New Jersey was No. 1 in eggplant, No. 3 in tomatoes and spinach, No. 4 in cranberries, peaches, and asparagus, and No. 5 in blueberries and squash. In production value, blueberries were the State's No. 1 crop at $76 million, followed by peppers, and then tomatoes at $48 million.

Blueberries Take #JerseyFreshisCOOLER Contest

Secretary Fisher announced in late September the Grand Prize Winners of the 2021 #JerseyFreshisCOOLER social media photo contest are Matt and Caitlyn Macrie, who are proud members of the Macrie Brothers Blueberry Farm in Hammonton, the "Blueberry Capital of the World."

The winning photo featured a shot of nearly ripe blueberries still on the bush with the rising sun illuminating on the clouds in the background. The #JerseyFreshisCOOLER grand prize that the Macries received is a custom, Jersey Fresh, 75-quart YETI cooler. There were more than 1,000 photos submitted in this year's contest as the Department encouraged Jersey Fresh fans to share their photos on Facebook, Twitter, and Instagram. The contest ran from early June through early September.

Produce Safety Website Provides FSMA Guidance For Growers, Handlers



Secretary Fisher announced in the spring that the Department's new Produce Safety website is now active. The site provides information and frequently asked questions concerning the Food Safety Modernization Act (FSMA), the Produce Safety Rule and Compliance and Enforcement, Grower Training and Third Party Audit Training, and includes a Produce Safety Rule survey.

The Food and Drug Administration (FDA) has finalized seven major rules to implement FSMA, recognizing that ensuring the safety of the food supply is a shared responsibility among many different points in the global supply chain for both human and animal food. The FSMA rules are designed to make clear specific actions that must be taken at each of these points to prevent contamination. One of the key aspects of the program is the Produce Safety Rule, which establishes science-based minimum standards for the safe growing, harvesting, packing, and holding of fruits and vegetables grown for human consumption.

Along with the FDA compliance timelines and other information about FSMA and the Produce Safety Rule, the website also features links for what to expect during a regulatory inspection, records required by the FSMA Produce Safety Rule, an inspection checklist, grower and third party audit training courses, and an on-farm readiness review. There is also a link to a survey for those who grow, harvest, store and pack produce. The website features a calendar that includes training dates, grower/industry meetings, and events. The site also includes a page for any news that may be important to the industry.

The Produce Safety website address is https://www.nj.gov/agriculture/producesafety/.

Yearlings From NJ Sires Bring Top Prices At Prestigious Kentucky Sale

Yearlings from New Jersey sire Walner, pictured at right, led sales at the Lexington Selected Yearling Sale in Kentucky in the fall. Walner led all stallions in gross sales at just over $7.7 million and average sales at $160,792 with three or more sold. The Walner filly Exile set the high mark for opening night at $800,000, topping the previous record of $725,000 for a filly. Walner, along with famed sire Muscle Hill, each stand at Southwind Farms in Pennington in Mercer County.

"New Jersey-bred horses continue to be in high demand as yearlings from these sires bring premium prices at this prestigious sale," Secretary Fisher said. "Many agriculture-related businesses in our state are supported by this thriving industry."

On the second night of the five-day event, Walner colts had gross sales of more than $3.4 million for 25 yearlings. Most of Walner's yearlings were sold in the first two nights, where the gross sales total was more than $7.2 million. Also from Walner, colt Earthquake Bi went for $620,000, Wall to Wall went for $525,000, filly Singeth With Joy went for $510,000, and Cyberspace went for $500,000.

Muscle Hill offspring also garnered their fair share of attention with gross sales at more than $5.2 million for an average of $119,682. That included colts Detroit City going for $500,000, Cypress Hanover going for $475,000, La Dolce Vita going for $450,000, and Shiney Sunday going for $360,000. The success of New Jersey race horses has led to an increase in the amount of mares that are bred here each year by more than 500 since 2017, reaching nearly 800 in 2021.

Concord Stud, based in Cream Ridge in Monmouth County, led all consignors in average with $186,429 for seven sold.


SOMERSET
COUNTY


American
6871
6867
6867


JERSEY
blueberries
watermelon
FRESH & SWEET
FIG
erin.nicole.d

Division of
PLANT INDUSTRY

Joe Zoltowski
Division Director

The protection of New Jersey's plant resources from injurious insects, weeds and disease is basic to the vitality of the state's agricultural industry, natural environment, and homeowners. Plant pests can cost farmers, woodland and natural area owners, and eventually the consumer, millions of dollars through crop damage and pest control costs. The programs of the Division of Plant Industry provide protection to New Jersey food crops, forests and other plant resources against injurious plant insects and diseases through detection, control, and eradication programs. The Division helps to ensure that farmers, businesses and consumers buy and sell high quality pest-free plants and plant products.

Spotted Lanternfly Program Ramps Up

Crews Survey, Treat More than 20,000 Acres

The Department and USDA spotted lanternfly crews continued to survey and treat thousands of acres and trees around the state in an effort to slow the spread of the invasive species. In all, there were 22,568 acres treated, which included more than 7,000 trees on 631 parcels.

Crews also assessed 4,544 parcels on more than 31,000 acres for treatments that will take place in the spring of 2022.

During the winter, the crews work to prepare sites for future treatments and destroying egg masses by scraping or the use of golden oil. In December of 2021 alone, spotted lanternfly crews scraped egg masses at 67 properties and scraped and destroyed more than 30,000 egg masses.

Teams are continuing to designate new priority areas and secure permissions for treatment. Properties where permission for treatment is secured need to be assessed for the presence of the "Tree of Heaven" (Ailanthus altissima).

The Department announced in late August that it added five counties to the spotted lanternfly quarantine zone. The counties new to the list were Morris, Monmouth, Middlesex, Essex, and Union. They joined the previously announced quarantine counties of Burlington, Camden, Gloucester, Hunterdon, Mercer, Salem, Somerset, and Warren.

Residents in the quarantine area are required to use a checklist before moving any of the articles listed. The checklist serves to inform the public about the spotted lanternfly, including how to identify all life stages of the insect and minimize its movement. During the late spring, summer and fall, the Department asks people to check their vehicles before leaving an area as the spotted lanternfly has the ability hitchhike on any vehicle for several miles.

Gypsy Moth Treatments Recommended for 2022

The Department announced in late December that it is recommending more than 4,500 acres to be treated in New Jersey as part of the gypsy moth suppression program.

A statewide aerial defoliation survey of over 2.2 million acres identified gypsy moth populations impacting 7,365 acres of residential forestlands in 33 municipalities in 11 counties.

Proposed treatments are for a total of 4,525 acres in seven municipalities in Cape May and Burlington Counties during the spring of 2022. Of those, 2,840 acres are recommended to be treated a second time due to the large numbers of eggs.

PABIL Laboratory Fights To Reduce Invasive Pests, Plants

The NJDA's Phillip Alampi Beneficial Insect Lab (PABIL) has an on-going biological control program against noxious weeds and crop-eating insects and remains a model for other states. The program reduces the number of applications of agricultural pesticides and herbicides on many different crops, thereby decreasing grower expenses.

In 2021, there were nearly 260,000 parasitoids released at 49 sites for Mexican Bean Beetle control. These parasitoids have been highly effective at controlling bean beetles so that virtually no insecticides have been applied to the state's soybean crop in recent years. Also, treatments for bean beetle control have been reduced on snap beans and lima beans, saving growers hundreds of thousands of dollars annually and reducing insecticide applications by thousands of pounds.

An invasive plant PABIL has helped curb the growth of is the Mile-a-minute weed that can grow up to six inches per day, with mature plants reaching six feet. It can climb over, and shade out native plants at the edges of woods, along stream banks, and roadsides. There were 16,500 parasitoids released in New Jersey in 2021 with approximately 33,000 beneficials shipped to six states under federal cooperative agreements.

To fight Emerald Ash Borer, more than 18,000 parasitoids were released in Morris, Warren, Monmouth and Somerset counties to provide long term control in areas of these counties. To reduce the impacts of the invasive Bohemian and Japanese Knotweeds, staff collected 4,034 new adults of the beneficial psyllid Aphalara itadori that were placed in storage for later release.

New Jersey Hemp Program Continues Production in 2021

The New Jersey Hemp Program remained very active for the 2021 season as there were 58 licensed growers that grew hemp on 63 total acres (combined outdoor and indoor) throughout the state.

During the year, the Plant Laboratory tested 260 samples including initial and retest regulatory samples for compliance.

Out of those regulatory samples, a total of nine failed due to having high THC content.

Overall, there were four destructions of non-compliant material.

The Plant Lab continues to update its testing regimen and is developing and validating a faster, more efficient method for testing cannabinoid oils.

- The Hemp Program tested one delta-8 THC CBD, CBG blended oil sample and it was found to be twice the legal maximum with total delta-9 THC standards for hemp.
- Plant Lab staff has also developed a new method for mycotoxins testing in medical marijuana samples.

The new method will improve the sample extraction process to accommodate more samples at a time.

There are more than 25,000 reported uses for hemp products globally according to a 2018 Congressional Research Service report.

Accomplishments Overview

STATE AGRICULTURE DEVELOPMENT COMMITTEE

Susan Payne
Executive Director

The State Agriculture Development Committee (SADC) leads in the preservation of New Jersey's farmland and promotes innovative approaches to maintaining the viability of agriculture. The SADC administers the Farmland Preservation Program, providing grants to counties, municipalities and nonprofit groups to fund the purchase of development easements on farmland; directly purchasing farms and development easements from landowners; and offering grants to landowners in the program to fund up to 50 percent of the cost of soil and water conservation projects.

It also administers the Right to Farm Program, oversees the Transfer of Development Rights Bank, and operates the Farm Link Program, which helps connect farm owners with farmers seeking access to farmland and farming opportunities. The SADC consists of 11 members – six citizens appointed by the Governor with the advice and consent of the Senate, and five ex-officio members. Four citizen members must be active farmers.

Preservation Amount Surpasses 240,000 Acres

The State Agriculture Development Committee preserved 51 more farms consisting of almost 3,500 acres in 2021. Overall, that brought the total of preserved farmland in New Jersey to 241,981 acres on 2,723 farms in 182 municipalities that have been permanently preserved under the program. In terms of number of acres preserved, Salem County continues to be the leader at 41,029 acres, followed by Hunterdon County at 34,979 and Burlington County at 28,943. Hunterdon County is the leader in the number of farms preserved with 451 followed by Salem County at 374 and Warren County at 294.

Burlington County has the most municipalities with preserved land at 21, followed by Warren County with 19 and Hunterdon County with 17. The counties with the largest average farm size that is preserved are Burlington at 123 acres, Salem at 110 acres, Sussex and Atlantic each at 106 acres, and Cumberland at 95 acres.

There are valuable incentives for landowners to participate in the Farmland Preservation Program. The program can help them meet their financial goals, provide them with the capital to expand their existing operations; eliminate or reduce their debt load; or further their estate or retirement planning.

Participants in the program are eligible to apply for cost-sharing grants to fund soil and water conservation projects.

The SADC's State Acquisition program accepts applications year-round. Farms are prioritized by size and quality based on average census acres by county. If your farm has at least 50 percent of its acreage tillable and the size is over the following acreage, it could be prioritized for preservation: Atlantic (48 acres), Bergen (10), Burlington (78), Camden (35), Cape May (37), Cumberland (88), Gloucester (63), Hunterdon (47), Mercer (58), Middlesex (55), Monmouth (35), Morris (26), Ocean (24), Passaic (15), Salem (94), Somerset (59), Sussex (44) and Warren (60).

More Preserved Farms Take Advantage Of Deer Fencing Cost-Share Grants

The SADC provides cost-sharing grants to assist farmers with installing deer fencing on permanently preserved farms to protect against crop losses. The 50 percent matching grants help eligible established farmers pay for the cost of fencing materials and installation. The maximum grant award is $200 per acre of permanently preserved farmland owned or $20,000 total. Eligible farmers may apply at any time, and applications are reviewed on a rolling basis.

Through Fiscal Year 2021, 62 Deer Fence grant applications have been approved for an obligated $858,986.32 in cost-share grant funding. Twenty-two of these projects have been installed, enclosing 1,050 acres of farmland.

Applications are ranked and prioritized for available funding based on criteria including deer density per square mile, crop type to be fenced, hunting status on the farm and adjacent properties, and farmer military status. The ranking system awards additional points to applications from military veteran farmers who served any time since September 11, 2001, and were honorably discharged or released to support veterans who are transitioning into careers in agriculture.

SADC Approves Soil And Water Funding Projects

The SADC provides grants to help fund up to 50 percent of the costs of approved soil and water conservation projects on farms enrolled in permanent or term farmland preservation programs.

Landowners apply to their local Soil Conservation Districts, which assist in developing a farm conservation plan and ensure projects are necessary and feasible. Applications are forwarded to the N.J. State Soil Conservation Committee, which recommends projects to the SADC for funding approval. In Fiscal Year 2021, there were 42 projects approved for an obligated $899,764.

Accomplishments Overview

New Jersey is a National Top Ten Producer of Fruits and Vegetables

2020 Statistics	Produce	Rank	Production	Production Value	Acres
	eggplant	1st	14 million lbs.	$8.1 million	700
	bell peppers	2nd	104.5 million lbs.	$56 million	3,800
	spinach	3rd	19.5 million lbs.	$6.2 million	1,700
	tomatoes	3rd	79.5 million lbs.	$48 million	3,100
	cranberries	4th	531,000 barrels	$20.4 million	3,000
	asparagus	4th	5.7 million lbs.	$14.9 million	1,900
	peaches	4th	15.2 million lbs.	$21 million	3,800
	blueberries	5th	45 million lbs.	$76 million	8,400
	squash	5th	28.5 million lbs.	$11.1 million	3,700
	cucumbers	6th	27 million lbs.	$7.9 million	1,800
	sweet corn	9th	5.1 million lbs.	$18.2 million	6,300

New Jersey Agricultural Statistics

National Agricultural Statistics Service, USDA
Hubert Hamer, Administrator

and

New Jersey Department of Agriculture
Douglas H. Fisher, Secretary

New Jersey Field Office
200 Riverview Plaza - 3rd Floor
Trenton, NJ, 08611

Bruce Eklund, State Statistician
(503) 308-0404

Email: Bruce.Eklund@nass.usda.gov
Website: www.nass.usda.gov

New Jersey: Field Crops, Weights, Measures, and Conversion Factors

Crop and Unit	Approximate Net Weight	
	lbs	kgs
Corn:		
Ear, Husked ..... Bushel	70	31.8
Shelled ..... Bushel	56	25.4
Hay ..... Square Bale	40-50	18.2-22.7
Oats ..... Bushel	32	14.5
Potatoes ..... Sack	100	45.4
Rye ..... Bushel	56	25.4
Soybeans ..... Bushel	60	27.2
Sweet Potatoes ..... Box	25	11.4
Wheat ..... Bushel	60	27.2

New Jersey: Vegetables, Fruit, and Berries, Unit of Sale, Average Weight, and Number of Packages Used in Converting to Carlot Equivalents

Crop and Unit of Sale	Average Weight Per Unit	Package Per Carlot Equivalent	
	Pounds	Units	Cwt
Vegetables			
Asparagus ..... Crate, 12 bunches	28	1,050	294
Beets, topped ..... Bushel	50	700	350
Broccoli ..... Crate, 12-14 bunches	21	900	189
Cabbage ..... Crate or sack	50	600	300
Carrots, topped ..... Bushel	50	1,000	500
Cauliflower ..... Crate	50	400	200
Celery ..... Crate, 3-4 dozen	60	600	360
Cucumber ..... Bushel	55	700	385
Eggplant ..... 1 1 / 9 bushel crate	33	750	248
Escarole & Endive ..... 1 1 / 9 bushel crate	25	850	213
Lettuce, Head ..... Crate, 24 heads	50	825	413
Onions, dry ..... Sack	50	800	400
Peppers, Bell ..... Bushel	28	850	238
Snap Beans ..... Bushel	30	850	255
Spinach ..... Bushel	25	850	213
Sweet Corn ..... Crate, 50 ears	42	725	305
Tomatoes ..... Carton	25	2,000	500
Fruit and Berries			
Apples ..... Bushels or carton	42	900	378
Blueberries ..... Flat, 12 pints	11	1,400	154
Cranberries ..... Barrel	100	---	---
Peaches ..... 1 / 2 bushel or carton	25	900	342

Source: Fruit and Vegetable Market News Service, AMS, US Department of Agriculture.

Rank of New Jersey Counties for Selected Items − 2017 Census

Item	1	2	3	4	5
Field Crop Harvested Acres					
Corn for grain	Salem	Warren	Hunterdon	Cumberland	Gloucester
All hay	Hunterdon	Sussex	Warren	Salem	Somerset
Soybeans for beans	Salem	Burlington	Cumberland	Gloucester	Warren
Orchard and Berry Acres					
Land in orchards	Cumberland	Gloucester	Salem	Monmouth/Mercer 1/	Hunterdon
Blueberry	Atlantic	Burlington	Camden	---	---
All berries	Atlantic	Burlington	Camden	Cumberland	Gloucester
Nurseries					
Number of nurseries	Monmouth	Hunterdon	Morris	Burlington	Cumberland
Nursery stock acreage in the open	Burlington	Hunterdon	Cumberland	Gloucester	Salem
Livestock					
Number of horses on farms	Hunterdon	Monmouth	Burlington	Sussex	Salem
Number of cattle and calves	Salem	Warren	Hunterdon	Sussex	Gloucester
Number of milk cows	Salem	Gloucester	Sussex	Warren	Mercer

--- Other counties not published to avoid disclosure of individual operations.
[1] Tied in ranking.

Rank of States for Selected Items − 2020

Item	1	2	3	4	5
Crop Harvested Acres					
Blueberries	Washington	Michigan	Georgia	Oregon	New Jersey
Cranberries	Wisconsin	Massachusetts	New Jersey	Oregon	
Peaches, freestone[1]	California	South Carolina	Georgia	New Jersey	Pennsylvania
Peppers, bell	California	New Jersey	North Carolina	Michigan	

[1] Bearing acres.

New Jersey: Field Crops, Usual Planting and Harvesting Dates

Crop	Usual Planting Dates			Usual Harvesting Dates		
	Begin	Most Active	End	Begin	Most Active	End
Corn for grain	Apr 15	May 1 - May 20	June 15	Sep 25	Oct 10 - Nov 1	Nov 15
Corn for silage	Apr 15	May 1 - May 20	Jul 1	Aug 30	Sep 10 - Sep 30	Nov 20
Hay, alfalfa	(NA)	(NA)	(NA)	May 15	(NA)	Nov 1
Hay, other	(NA)	(NA)	(NA)	May 10	(NA)	Oct 15
Potatoes, summer	Apr 20	May 1 - May 20	Jun 1	Jul 10	Jul 20 - Sep 30	Oct 15
Soybeans	May 10	May 20 - Jul 1	Jul 10	Oct 1	Oct 1 - Nov 10	Nov 15
Sweet potatoes	May 10	May 20 - Jun 20	Jul 10	Sep 10	Sep 20 - Nov 10	Nov 20
Wheat, winter	Sep 30	Oct 5 - Oct 20	Nov 1	Jun 25	Jul 1 - Jul 10	Jul 15

(NA) Not available.

Field Crop Summary − New Jersey: 2020

Crop and Units	Acres Harvested	Yield per Acre	Production	Season Average Price per Unit	Value of Production	
					Total	Per Acre
			1,000	*dollars*	*$1,000*	*dollars*
Corn for Grain ....bu	80,000	156	12,480	4.35	54,288	67
Corn for Silage ....ton	6,000	20.0	120	(NA)	(NA)	(NA
All Hay ....ton	106,000	1.85	196	190	36,177	34
Alfalfa Hay ....ton	16,000	2.7	43	240	10,320	64
Other Hay ....ton	90,000	1.7	153	169	25,857	28
Soybeans for Beans ....bu	93,000	46	4,278	10.00	42,780	46
Winter Wheat ....bu	18,000	67	1,206	5.50	6,633	36

(NA) Not available.

Fruit Crop Summary − New Jersey: 2020

Crop and Units	Acres Bearing/ Harvested	Yield per Acre	Utilized Production	Season Average Price per Unit	Value of Production	
					Total	Per Acre
			1,000	*dollars*	*$1,000*	*dollars*
Blueberries ....lbs	8,400	5,350	44,460	1.690	75,098	8,94
Cranberries ....barrels	3,000	177.0	528	38.50	20,365	6,78
Peaches ....tons	3,800	2.0	8	2,740.00	20,824	5,48

Principal Vegetables Crop Summary − New Jersey: 2020 [1]

Crop, Estimate Date, and Unit	Acres Harvested	Yield per Acre	Production		Season Average Price per Unit	Value of Utilized Production	
			Total	Utilized		Total	Per Acre
	acres	*cwt*	*1,000 cwt*	*1,000 cwt*	*dollars/cwt*	*$1,000*	*dollars*
Principal Vegetables							
Asparagus ....Jan-Jun ....cwt	1,900	30.0	57.0	56.9	262.00	14,896	7,84
Cabbage[2] ....Jan-Dec ....cwt	1,600	273.0	437.0	416.0	24.00	9,984	6,24
Collards[2] ....Jan-Dec ....cwt	600	195.0	117.0	117.0	17.40	2,036	3,39
Cucumber ....July-Dec ....cwt	1,800	150.0	270.0	270.0	29.30	7,911	4,39
Eggplant[2] ....July-Dec ....cwt	680	205.0	140.0	132.0	61.10	8,066	11,86
Escarole & Endive[2] ....Jan-Dec ....cwt	210	165.0	35.0	30.0	29.60	888	4,22
Herbs[2 3] ....Jan-Dec ....cwt	1,600	125.0	200.0	200.0	74.00	14,800	9,25
Kale[2] ....Jan-Dec ....cwt	880	90.0	79.0	79.0	40.70	3,216	3,65
Lettuce, All[2 4] ....Jan-Dec ....cwt	1,100	182.0	200.0	188.0	49.00	9,222	8,38
Parsley[2] ....Jan-Dec ....cwt	550	125.0	69.0	69.0	43.40	2,995	5,44
Peppers, Bell....July-Dec....cwt	3,800	275.0	1045.0	1045.0	53.60	55,966	14,72
Pumpkins ....July-Dec ....cwt	1,300	110.0	143.0	143.0	55.10	7,879	6,06
Snap Beans....Jan-Dec ....cwt	1,500	30.0	45.0	45.0	62.80	2,827	1,88
Spinach....Jan-Dec ....cwt	1,700	115.0	195.5	194.5	31.80	6,182	3,63
Squash, Summer[2] ....July-Dec ....cwt	2,250	86.0	193.5	153.5	50.35	7,728	3,43
Squash, Winter[2]....July-Dec....cwt	1,450	63.0	91.4	85.8	38.80	3,328	2,29
Sweet Corn....July-Dec ....cwt	6,200	82.0	508.0	463.0	39.50	18,280	2,94
Tomatoes....July-Dec ....cwt	3,000	265.0	795.0	756.0	63.40	47,923	15,97
Total - 18 market crops	**32,120**	**---**			**---**	**224,127**	**6,42**

[1] Preliminary
[2] Not in the Federal Estimating Program, state estimates only.
[3] Includes arugula, basil, chives, coriander, cress, fennel, sage, thyme, etc., excludes parsley.
[4] Includes head lettuce, Romaine, and other lettuce.

Corn for Grain Area Planted and Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area planted[1]	Area harvested	Yield per acre	Production	Price per bushel[2]	Value of production
	1,000 acres	*1,000 acres*	*bushels*	*1,000 bushels*	*dollars*	*1,000 dollars*
2016	80	71	145.0	10,295	3.90	40,151
2017	77	70	167.0	11,690	3.75	43,838
2018	70	60	141.0	8,460	3.90	32,994
2019	77	68	155.0	10,540	4.30	45,322
2020	87	80	156.0	12,480	4.35	54,288

[1] Area planted includes corn planted for both grain and silage.
[2] Marketing year average price.

Corn for Silage Area Planted and Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area planted[1]	Area harvested	Yield per acre	Production	Price per ton[2]	Value of production
	1,000 acres	*1,000 acres*	*tons*	*1,000 tons*	*dollars*	*1,000 dollars*
2016	(NA)	5	16.0	80	(NA)	(NA)
2017	(NA)	6	19.5	117	(NA)	(NA)
2018	(NA)	6	19.0	114	(NA)	(NA)
2019	(NA)	7	22.0	154	(NA)	(NA)
2020	(NA)	6	20.0	120	(NA)	(NA)

(NA) Not available.
[1] For area planted, see corn for grain table.
[2] Marketing year average price.

Alfalfa Hay Area Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area harvested	Yield per acre	Production	Price per ton[1]	Value of production
	1,000 acres	*tons*	*1,000 tons*	*dollars*	*1,000 dollars*
2016	12	3.15	38	231.00	8,778
2017	13	3.10	40	156.00	6,240
2018	9	3.40	31	214.00	6,634
2019	11	3.20	35	224.00	7,840
2020	16	2.70	43	240.00	10,320

[1] Marketing year average price.

Other Hay Area Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area harvested	Yield per acre	Production	Price per ton[1]	Value of production
	1,000 acres	*tons*	*1,000 tons*	*dollars*	*1,000 dollars*
2016	103	1.70	175	160.00	28,000
2017	95	2.10	200	125.00	25,000
2018	105	1.80	189	182.00	34,398
2019	80	1.90	152	179.00	27,208
2020	90	1.70	153	169.00	25,857

[1] Marketing year average price.

All Hay Area Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area harvested	Yield per acre	Production	Price per ton[1]	Value of production
	1,000 acres	*tons*	*1,000 tons*	*dollars*	*1,000 dollars*
2016	115	1.85	213	191.00	36,778
2017	108	2.22	240	127.00	31,240
2018	114	1.93	220	186.00	41,032
2019	91	2.05	187	187.00	35,048
2020	106	1.85	196	190.00	36,177

[1] Marketing year average price. All hay price is based on weighted sales, not production.

Soybeans for Beans Area Planted and Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area planted	Area harvested	Yield per acre	Production	Price per bushel[1]	Value of production
	1,000 acres	*1,000 acres*	*bushels*	*1,000 bushels*	*dollars*	*1,000 dollars*
2016	100	98	36.0	3,528	9.59	33,834
2017	100	99	45.0	4,455	9.30	41,432
2018	110	107	39.5	4,227	7.98	33,731
2019	95	92	37.0	3,404	8.45	28,764
2020	94	93	46.0	4,278	10.00	42,780

[1] Marketing year average price.

Winter Wheat Area Planted and Harvested, Yield, Production, Price, and Value – New Jersey: 2016-2020

Year	Area planted	Area harvested	Yield per acre	Production	Price per bushel[1]	Value of production
	1,000 acres	*1,000 acres*	*bushels*	*1,000 bushels*	*dollars*	*1,000 dollars*
2016	25	21	64.0	1,344	4.15	5,578
2017	23	17	64.0	1,088	4.60	5,005
2018	18	15	62.0	930	4.90	4,557
2019	19	14	66.0	924	4.95	4,574
2020	25	18	67.0	1,206	5.50	6,633

[1] Marketing year average price.

Soybean Acreage, Yield, and Production, by County and District – New Jersey: 2019-2020

County and District	Planted		Harvested		Yield		Production	
	2019	2020	2019	2020	2019	2020	2019	2020
	acres	*acres*	*acres*	*acres*	*bushels*	*bushels*	*bushels*	*bushels*
Bergen	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Essex	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Hudson	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Hunterdon	6,600	5,900	6,500	5,800	45.4	49.0	295,000	284,000
Morris	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Passaic	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Somerset	([1])	1,700	([1])	1,670	([1])	44.0	([1])	73,500
Sussex	1,100	1,200	1,000	1,190	35.0	54.0	35,000	64,300
Union	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Warren	8,700	8,500	8,500	8,450	52.6	59.2	447,000	500,000
Other counties	2,800	([2])	2,600	([2])	31.5	([2])	82,000	([2])
North, Total	**19,200**	**([1])**	**18,600**	**([1])**	**46.2**	**([1])**	**859,000**	**([1])**
Burlington	19,600	20,900	19,100	20,800	35.3	43.0	675,000	894,000
Mercer	([1])	3,800	([1])	3,780	([1])	41.5	([1])	157,000
Middlesex	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Monmouth	4,700	5,200	4,600	5,100	36.7	42.7	169,000	218,000
Ocean	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Other counties	7,700	([2])	7,300	([2])	33.0	([2])	241,000	([2])
Central, Total	**32,000**	**([1])**	**31,000**	**([1])**	**35.0**	**([1])**	**1,085,000**	**([1])**
Atlantic	([1])	300	([1])	260	([1])	26.9	([1])	7,000
Camden	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Cape May	([1])	([1])	([1])	([1])	([1])	([1])	([1])	([1])
Cumberland	11,900	11,200	11,400	10,900	34.0	42.3	388,000	461,000
Gloucester	7,800	([1])	7,550	([1])	27.8	([1])	210,000	([1])
Salem	23,400	23,200	22,800	23,100	36.8	45.7	839,000	1,056,000
Other counties	700	([2])	650	([2])	35.4	([2])	23,000	([2])
South, Total	**43,800**	**([1])**	**42,400**	**([1])**	**34.4**	**([1])**	**1,460,000**	**([1])**
Other districts	-	-	-	-	-	-	-	-
New Jersey Total	**95,000**	**94,000**	**92,000**	**93,000**	**37.0**	**46.0**	**3,404,000**	**4,278,000**

- Represents zero.
[1] Represents zero or is included in Other counties.
[2] Represents zero or is included in Other districts.

Floriculture: Selected Crops and State Totals – New Jersey: 2020

Growers with Gross Value of Sales	Number of Growers	Covered Area	Expanded Wholesale Value of Sales [1]
	2020	2020	2020
		1,000 square feet	*$1,000*
$100,000 and over	140	21,509	277,420
$10,000 - $99,999	154	2,300	7,200
Total	294	23,809	

[1] Wholesale value of sales as reported by growers with $100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below $100,000. The value of sales for growers below the $100,000 level was estimated by multiplying the number of growers in each size group by the mid-point of each dollar value range.

Growing Area: By Type of Cover – New Jersey: 2020

Type of Cover	All Operations with $10,000+ Sales	All Operations with $100,000+ Sales
	2020	2020
	1,000 square feet	*1,000 square feet*
Total Greenhouse Cover	22,839	20,673
Glass Greenhouses	5,674	5,486
Fiberglass and Other Rigid Greenhouses	1,152	1,013
Film Plastic Greenhouse	16,013	14,174
Shade and Temporary Cover	970	836
Total Covered Area	**23,809**	**21,509**

Floriculture: Selected Crops and State Totals – New Jersey: 2020

Plant Type and Units for Quantity Sold	Operations with $100,000+ Sales		
	Growers	Quantity Sold	Wholesale Value 1,000 square feet
	2020	2020	2020
	number	*1,000 units*	*$1,000*
Bedding/Garden Plants, Total [2]			**188,858**
Annuals			129,218
Hanging Baskets, Geraniums(Cuttings) ....Baskets	56	373	3,536
Hanging Baskets, Impatiens (Other)....Baskets	23	183	1,252
Hanging Baskets, New Guinea Impatiens ....Baskets	55	299	2,575
Hanging Baskets, Petunias ....Baskets	56	488	4,314
Impatiens (Other)....Flats	57	434	3,800
Petunias ....Flats	61	229	2,623
Marigolds....Flats	66	272	2,977
Geraniums (Cuttings) ....Pots	75	2,314	6,054
New Guinea Impatiens ....Pots	69	1,586	3,680
Pansies/Violas ....Pots	40	1,918	4,013
Potted Herbaceous Perennials			**59,640**
Hardy/Garden Chrysanthemums ....Pots	59	6,420	15,715
Hostas ....Pots	38	1,573	5,861
Other Potted Herbaceous Perennials ....Pots	38	5,327	31,323
Flowering Plants, For Indoor Patio Use, Total			**34,934**
Lilies, Easter....Pots	21	306	1,386
Poinsettias....Pots	48	1,342	7,870
Foliage for Indoor or Patio Use, Total			**(D)**
Hanging Baskets, Foliage....Baskets	24	(D)	(D)
Potted Foliage....Pots	16		(D)

(D) Withheld to avoid disclosing data for individual operations.
[1] Equivalent wholesale value of all sales.
[2] Includes annual bedding plants and herbaceous perennials.

Oats	Bushel	32	14.5
Potatoes	Sack	100	45.4
Rye	Bushel	56	25.4
Soybeans	Bushel	60	27.2
Sweet Potatoes	Box	25	11.4
Wheat	Bushel	60	27.2

New Jersey: Vegetables, Fruit, and Berries, Unit of Sale, Average Weight, and Number of Packages Used in Converting to Carlot Equivalents

Crop and Unit of Sale	Average Weight Per Unit	Package Per Carlot Equivalent	
	Pounds	Units	Cwt
Vegetables			
Asparagus, Crate, 12 bunches	28	1,050	294
Beets, topped, Bushel	50	700	350
Broccoli, Crate, 12-14 bunches	21	900	189
Cabbage, Crate or sack	50	600	300
Carrots, topped, Bushel	50	1,000	500
Cauliflower, Crate	50	400	200
Celery, Crate, 3-4 dozen	60	600	360
Cucumber, Bushel	55	700	385
Eggplant, 1 1 / 9 bushel crate	33	750	248
Escarole & Endive, 1 1 / 9 bushel crate	25	850	213
Lettuce, Head, Crate, 24 heads	50	825	413
Onions, dry, Sack	50	800	400
Peppers, Bell, Bushel	28	850	238
Snap Beans, Bushel	30	850	255
Spinach, Bushel	25	850	213

Cranberry Acreage, Yield, Production, Price, and Value − New Jersey: 2016-2020

Year	Area harvested	Yield per acre[1]	Production		Price per barrel[2]	Value of utilized production
			Total	Utilized		
	acres	*barrels*	*barrels*	*barrels*	*dollars*	*1,000 dollars*
2016	3,100	208.4	653,000	646,000	43.10	27,835
2017	2,700	174.8	473,300	471,900	36.60	17,254
2018	3,100	165.3	512,000	508,420	29.30	14,886
2019	2,700	196.0	529,000	490,390	37.80	18,523
2020	3,000	177.0	531,000	528,310	38.50	20,365

[1] Yields prior to 2018 are based on utilized production.
[2] Marketing year average price.

Peach Acreage, Yield, Production, Price, and Value − New Jersey: 2016-2020

Year	Bearing acreage	Yield per acre[1]	Production		Price per ton[3]	Value of utilized production
			Total	Utilized[2]		
	acres	*tons*	*tons*	*tons*	*dollars*	*1,000 dollars*
2016	4,300	4.30	18,470	18,400	1,430.00	26,244
2017	4,100	6.00	24,580	24,570	1,560.00	38,318
2018	4,100	5.60	23,000	23,000	1,780.00	41,048
2019	3,900	5.00	19,500	17,980	1,430.00	25,657
2020	3,800	2.00	7,600	7,600	2,740.00	20,824

[1] Yield is based on total production.
[2] The amount of a crop sold plus the quantities used at home or held in storage.
[3] Marketing year average price.

New Jersey: Fruits and Berries, Usual Full Bloom and Harvesting Dates

Crop	Usual Date(s) of Full Bloom			Usual Harvesting Dates		
	Begin	Most Active	End	Begin	Most Active	End
Apples	Apr 12	(NA)	Apr 20	Jul 15	Sep 1 - Oct 25	Oct 31
Blueberries	Apr 15	(NA)	May 15	Jun 15	Jun 27 - Jul 11	Aug 15
Cranberries	Jun 1	(NA)	Jul 15	Sep 10	Oct 5 - Nov 5	Nov 18
Grapes	May 20	(NA)	Jun 10	Aug 20	Sep 10 - Sep 20	Oct 10
Peaches	Apr 7	(NA)	Apr 15	Jul 5	Jul 20 - Aug 31	Sep 15
Strawberries	May 1	(NA)	May 10	May 20	Jun 1 - Jun 31	Jul 10

(NA) Not available.

Cattle and Calves Number on Farms, January 1, Inventory Value and Value per Head − New Jersey: 2017-2021

Year	Cows and Heifers that have calved		Heifers 500 lbs. and over			Bulls	Steers	Calves	All Cattle and Calves		
	Kept for milk	Kept for beef	For milk replacement	For beef replacement	Other heifers	500 lbs. and over	500 lbs. and over	500 lbs. and less	Number	Value per head	Total value
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*dollars*	*1,000 dol.*
2017	6.0	8.0	3.7	1.6	1.2	1.0	2.1	4.4	28.0	1,140	31,920
2018	6.0	9.0	3.2	2.1	1.2	1.0	2.1	4.4	29.0	1,160	33,640
2019	5.5	9.5	3.3	2.5	0.7	1.0	2.5	5.0	30.0	1,100	33,000
2020	4.7	9.3	3.1	2.2	1.2	1.0	2.0	4.5	28.0	1,000	28,000
2021	4.4	8.6	2.9	1.6	0.9	0.7	1.9	4.0	25.0	970	24,250

Cattle and Calves Inventory, Supply, and Disposition − New Jersey: 2016-2020

Year	Beginning inventory January 1	Calf crop	Inshipments	Marketings[1]		Farm slaughter[2]	Deaths		Ending inventory following January 1
				Cattle	Calves		Cattle	Calves	
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*
2016	28.0	9.5	1.2	4.6	5.0	0.1	0.5	0.5	28.0
2017	28.0	9.5	1.2	3.6	5.0	0.2	0.4	0.5	29.0
2018	29.0	10.0	1.2	3.7	5.1	0.4	0.5	0.5	30.0
2019	30.0	10.0	1.2	6.8	5.1	0.4	0.4	0.5	28.0
2020	28.0	9.0	2.0	8.0	4.8	0.2	0.5	0.5	25.0

[1] Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.
[2] Excludes custom slaughter for farmers at commercial establishments.

All Cattle and Calves Production and Income − New Jersey: 2016-2020

Year	Production[1]	Marketings[2]	Value of Production	Cash Receipts[3]	Value of Home Consumption	Gross Income
	1,000 pounds	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2016	6,071	6,162	7,436	7,539	969	8,508
2017	6,108	5,120	7,215	6,233	947	7,180
2018	5,916	4,820	6,946	5,823	1,658	7,481
2019	7,303	8,338	8,031	9,101	1,654	10,755
2020	6,199	9,866	6,652	10,307	1,068	11,375

[1] Adjustments made for changes in inventory and inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the State.
[3] Receipts from marketings and sale of farm slaughter.

Cattle Number on Farms, January 1, by County − New Jersey: 2020-2021

County and District	All Cattle and Calves		Milk Cows	
	2020	2021	2020	2021
	head	*head*	*head*	*head*
North Counties				
Bergen	(D)	([1])	([1])	([1])
Essex	(D)	(D)	([1])	([1])
Hudson	(D)	(D)	([1])	([1])
Hunterdon	4,000	3,600	300	300
Morris	600	500	(D)	(D)
Passaic	(D)	([1])	([1])	([1])
Somerset	1,600	1,500	(D)	(D)
Sussex	4,000	3,600	800	800
Union	(D)	(D)	([1])	([1])
Warren	4,100	3,600	700	600
Central Counties				
Burlington	1,200	1,100	(D)	(D)
Mercer	800	700	300	300
Middlesex	(D)	(D)	([1])	([1])
Monmouth	500	400	(D)	(D)
Ocean	800	700	100	100
South Counties				
Atlantic	(D)	(D)	([1])	([1])
Camden	(D)	(D)	([1])	([1])
Cape May	(D)	(D)	([1])	([1])
Cumberland	1,200	1,100	200	200
Gloucester	2,900	2,600	900	800
Salem	5,900	5,300	1,200	1,100
All Other Counties	**400**	**300**	**200**	**200**
New Jersey Total	**28,000**	**25,000**	**4,700**	**4,400**

(D) Withheld to avoid disclosing data for individual operations.
[1] Represents zero or is included in All Other Counties.

Cattle Commercial Slaughter, by Month − New Jersey: 2019-2020 [1]

Month	2019			2020		
	Number Head	Average Live Weight	Total Live Weight	Number Head	Average Live Weight	Total Live Weight
	1,000	*pounds*	*1,000 pounds*	*1,000*	*pounds*	*1,000 pounds*
January	3.4	1,106	3,707	3.8	1,108	4,161
February	3.1	1,099	3,383	3.2	1,111	3,582
March	3.3	1,114	3,631	4.3	1,117	4,789
April	3.7	1,113	4,061	3.4	1,119	3,763
May	4.3	1,112	4,720	4.1	1,125	4,599
June	3.3	1,107	3,607	4.0	1,128	4,488
July	3.6	1,098	3,912	4.2	1,104	4,625
August	3.4	1,115	3,735	3.6	1,092	3,898
September	3.3	1,114	3,673	3.9	1,111	4,304
October	3.7	1,135	4,172	3.8	1,106	4,144
November	3.4	1,130	3,871	3.6	1,097	3,950
December	3.6	1,118	4,065	4.3	1,134	4,804
Total[2]	**42.1**	**1,113**	**46,537**	**46.2**	**1,113**	**51,107**

[1] Includes slaughter in federally inspected and other slaughter plants, but excludes animals slaughtered on farms.
[2] May not add due to rounding.

Hogs and Pigs Inventory by Class, December 1 − New Jersey: 2016-2020

Year	Breeding	Market	Weight Group				Sows farrowing[1]	Pigs per litter[1]	Pig crop[1]
			Under 50 pounds	50-119 pounds	120-179 pounds	180 pounds and over			
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*number*	*1,000 head*
2016	1.5	6.5	1.4	1.6	1.9	1.6	1.0	6.10	6.1
2017	1.5	7.0	1.8	2.1	1.3	1.8	1.0	7.80	7.8
2018	1.0	7.5	2.0	2.1	1.6	1.8	0.8	6.25	5.0
2019	1.0	6.5	1.3	1.9	1.5	1.8	0.8	7.00	5.6
2020	1.0	6.5	1.4	1.5	1.3	2.3	0.8	6.88	5.5

[1] Marketing year.

Hogs and Pigs Inventory, Supply, and Disposition − New Jersey: 2016-2020

Year	Beginning inventory Dec. 1 preceding	Pig crop	Inshipments	Marketings[1]	Farm slaughter[2]	Deaths	Ending inventory Dec. 1
	1,000 head	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*	*1,000 head*
2016	8.0	6.1	9.0	14.1	0.4	0.6	8.0
2017	8.0	7.8	9.0	15.2	0.1	1.0	8.5
2018	8.5	5.0	8.5	12.7	0.1	0.7	8.5
2019	8.5	5.6	7.5	13.4	0.1	0.6	7.5
2020	7.5	5.5	5.6	10.7	-	0.4	7.5

- Represents zero.

[1] Includes custom slaughter for use on farms where produced and State outshipments, but excludes interfarm sales within the State.
[2] Excludes custom slaughter for farmers at commercial establishments.

Hogs and Pigs Production, Marketings, and Income − New Jersey: 2016-2020
(Dollar values based on data received from United States Department of Agriculture's Agricultural Marketing Service.)

Year	Production[1]	Marketings[2]	Value of production[3]	Cash receipts[3] [4]	Value of home consumption	Gross income
	1,000 pounds	*1,000 pounds*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*
2016	1,291	1,239	344	632	156	788
2017	1,086	1,410	268	768	46	814
2018	836	1,204	89	616	76	692
2019	1,015	1,195	521	609	125	734
2020	924	1,160	418	563	32	595

[1] Adjustments made for changes in inventory and for inshipments.
[2] Excludes custom slaughter for use on farms where produced and interfarm sales within the State.
[3] Includes allowance for higher average price of State inshipments and outshipments of feeder pigs.
[4] Receipts from marketings and sale of farm slaughter.

Honey Number of Colonies, Yield, Production, Stocks, Price, and Value − New Jersey: 2016-2020
(Producers with 5 or more colonies.)

Year	Honey producing colonies[1]	Yield per colony	Production	Stocks on December 15 [2]	Average price per pound[3]	Value of production[4]
	1,000	*pounds*	*1,000 pounds*	*1,000 pounds*	*dollars*	*1,000 dollars*
2016	12	27	324	198	7.09	2,297
2017	13	28	364	167	8.74	3,181
2018	13	31	403	165	7.47	3,010
2019	15	28	420	155	4.68	1,966
2020	14	31	434	91	7.99	3,468

[1] Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to harvest honey from colonies which did not survive the entire year.
[2] Stocks held by producers.
[3] Average price per pound based on expanded sales.
[4] Value of production is equal to production multiplied by average price per pound.

Milk Cows and Production, by Quarter − New Jersey: 2019-2020

Quarter	Milk cows[1]		Milk per cow[2]		Milk production[2]	
	2019	2020	2019	2020	2019	2020
	1,000 head	*1,000 head*	*pounds*	*pounds*	*million pounds*	*million pounds*
Jan - Mar	5.0	4.7	5,200	5,532	26.0	26.0
Apr - Jun	4.8	4.7	5,417	5,319	26.0	25.0
Jul - Sep	4.8	4.7	5,000	5,106	24.0	24.0
Oct - Dec	4.7	4.6	5,106	5,217	24.0	24.0
Annual Total	**5.0**	**5.0**	**20,000**	**19,800**	**100.0**	**99.0**

[1] Includes dry cows. Excludes heifers not yet fresh.
[2] Excludes milk sucked by calves.

Milk Production, Disposition, and Income − New Jersey: 2016-2020

Year	Milk Cows[1]	Milk per Cow	Total Milk Production	Disposition of Milk Produced			Prices Received[2]	Gross Income[3]	Value of Milk Produced[4]
				Fed to Calves	Used for Milk, Cream and Butter	Sold			
	1,000 head	*pounds*	*million pounds*	*million pounds*	*million pounds*	*million pounds*	*dollars*	*1,000 dollars*	*1,000 dollars*
2016	7.0	17,429	122.0	1.5	0.5	120.0	16.40	19,762	20,008
2017	6.0	19,833	119.0	1.5	0.5	117.0	18.30	21,503	21,777
2018	6.0	18,333	110.0	1.5	0.5	108.0	16.20	17,577	17,820
2019	5.0	20,000	100.0	1.5	0.5	98.0	18.30	18,026	18,300
2020	5.0	19,800	99.0	2.5	0.5	96.0	17.20	16,598	17,028

[1] Average number on farms during the year.
[2] Prices received for all milk sold wholesale per cwt.
[3] Includes value of milk used for home consumption.
[4] Includes value of milk fed to calves.

Number of Farms, Land in Farms, and Average Farm Size − New Jersey and United States: 2016-2020
(Places with annual sales of agricultural products of $1,000 or more.)

Year	New Jersey			United States		
	Number of farms	Land in farms	Average farm size	Number of farms	Land in farms	Average farm size
	number	*1,000 acres*	*acres*	*number*	*1,000 acres*	*acres*
2016	9,700	730	75	2,055,340	902,680	439
2017	9,900	730	74	2,042,000	900,370	441
2018	9,900	750	76	2,029,200	899,500	443
2019	9,900	750	76	2,023,400	897,400	444
2020	9,900	750	76	2,019,000	896,600	444

Number of Farms and Land in Farms, by Sales Class − New Jersey: 2016-2020

Economic Sales Class	2016	2017	2018	2019	2020
	farms	*farms*	*farms*	*farms*	*farms*
Number of Farms					
$1,000 - $9,999	6,200	6,400	6,400	6,400	6,400
$10,000 - $99,999	2,350	2,350	2,350	2,350	2,350
$100,000 - $249,999	450	450	450	450	450
$250,000 - $499,999	280	280	280	280	280
$500,000 and over	(NA)	(NA)	420	420	420
$500,000 - $999,999	200	200	200	200	200
$1,000,000 and over	220	220	220	220	220
Total	9,700	9,900	9,900	9,900	9,900
	acres	*acres*	*acres*	*acres*	*acres*
Land in Farms					
$1,000 - $9,999	160,000	160,000	160,000	160,000	160,000
$10,000 - $99,999	160,000	160,000	170,000	170,000	170,000
$100,000 - $249,999	90,000	100,000	110,000	110,000	110,000
$250,000 - $499,999	90,000	80,000	80,000	80,000	80,000
$500,000 and over	(NA)	(NA)	230,000	230,000	230,000
$500,000 - $999,999	90,000	90,000	90,000	90,000	90,000
$1,000,000 and over	140,000	140,000	140,000	140,000	140,000
Total	730,000	730,000	750,000	750,000	750,000

(NA) Not available.


BARNYARD EXPRESS


BERGHOLZ'S
Tire Expert


JOHN DEERE


DEMAREST FARM
SINCE 1886
CAUTION: AUTOMATIC SLIDING DOOR
Door may close without warning
STANLEY


JERSEY
FRESH
FROM THE GARDEN STATE


JERSEY
FRESH