

2022 ANNUAL REPORT AND AGRICULTURAL STATISTICS

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





About the cover: New Jersey is ranked No. 4 in the country in floriculture sales, according to the United States Department of Agriculture's National Agriculture Statistics Service. A popular spring attraction that highlights the state's flower and nursery industry is the spring tulip festival at Holland Ridge Farms in Cream Ridge in Monmouth County, which features several varieties of tulips for the public to enjoy. **Above,** Secretary Fisher shows off part of the Farm to School display at Three Bridges Elementary School in Hunterdon County, which won the Best in New Jersey Farm to School Award in 2022. **At right,** Secretary Fisher takes the plow behind Howell Living Farm Belgian horses Bill and Jesse at the Chestnut Avenue Community Garden in Trenton to mark the beginning of the spring planting season.

A MESSAGE FROM SECRETARY OF AGRICULTURE

Douglas H. Fisher

This annual report is a review of highlights, activities, and events that occurred in New Jersey agriculture during 2022. The Department provides this summary each year pursuant to N.J.S.A. 4:1-14.

Each year presents its share of opportunities to the agricultural community. There are many examples to celebrate from this past year. The return of all the state's agricultural fairs after being limited by COVID-19 the previous two years; a New Jersey farmer being recognized with a National Outstanding Young Farmer Award; the FFA membership reaching its highest number ever in New Jersey; more active participation in the Farm to School Program; the cooperation of the NJDA with the USDA and other state departments for an effective Avian Influenza response; and the ongoing battle to limit the spread of the spotted lanternfly just to name a few.

New Jersey's 10,000 farms on approximately 750,000 acres continue to evolve to meet the ever-changing needs of consumers. One of the strengths of the Garden State agriculture industry is its diverse products that create a robust agricultural economy. Producers faced challenges head-on to fulfill their mission of supplying the residents in our state, and millions more in the U.S. and abroad.

Our five divisions, Agricultural and Natural Resources, Animal Health, Food and Nutrition, Marketing and Development, and Plant Industry, as well as the State Agriculture Development Committee, are here to serve and support the agricultural community in every way we can.





2022-23

New Jersey State Board of Agriculture



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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



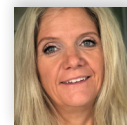
Barney Hollinger
Board Member
Cumberland County
Aquaculture



Debbie Norz
Board Member
Somerset County
Vegetable Industry



Lisa Specca
Board Member
Burlington County
Vegetable Industry



Holly Sytsema
Board Member
Sussex County
Dairy Industry



While most of the State Board of Agriculture meetings take place in the conference room at 200 Riverview Plaza in Trenton each month, the Board does on occasion travel to different locations. The June meeting in 2022 was held at Dream Park in Gloucester County, which hosts horse shows in its indoor and outdoor rings, and boards horses where owners also can give riding lessons for all levels of equine enthusiasts.

2022

Highlights



Barile Wins National Young Farmer Honor

New Jersey's 2021 Outstanding Young Farmer Hillary Barile, of Cumberland County, was selected as a national winner at the combined 2021 and 2022 National Outstanding Young Farmers Awards Congress in Hilton Head, S.C. Barile, with the support of her husband Jeffrey, owns and operates Rabbit Hill Farms in Shiloh along with her father Abe Bakker, brother Blair Bakker, and her uncle Robert Reed. She was one of four national winners selected from a group of eight finalists for the 2021 award based on their progress in an agricultural career, extent of soil and water conservation practices and contributions to the well-being of the community, state, and nation.

The winners received a savings bond from corporate sponsor John Deere and the opportunity to travel to Wash-

ington, D.C., during National Ag Week in 2022.

"We are very proud of Hillary for being an outstanding representative of New Jersey on the national agricultural scene," Secretary Fisher said. "Hillary's ability to create a new vision for her family farm is a credit to her and an excellent example of the ingenuity and innovation that so many farmers in our state possess."

Hillary Barile grew up on Rabbit Hill Farms originally located in Central Jersey. After graduating from Dartmouth University and working in the agricultural field, she returned to the family farm in 2010. The farm relocated to Shiloh and after evaluating its viability as primarily growing potatoes, it switched to growing barley for malt and building New Jersey's first craft malt house.



Dr. Patil Named Animal Health Division Director

Secretary Fisher announced the appointment of Dr. Amar Patil as Director of the New Jersey Department of Agriculture's Division of Animal Health. The appointment was approved by the New Jersey State Board of Agriculture. Dr. Patil had been the Director of the NJDA's Animal Health Diagnostic Laboratory (AHDL) since July 2021, and before that was the lab's Assistant Director from November 2011 to July 2021. He started with the NJDA as a Research Scientist in the Division of Animal Health in October 2007.

During Dr. Patil's work with the laboratory, the AHDL received ISO 17025:2005 accreditation from the American Association for Laboratory Accreditation, making it one of approximately two dozen such labs in the United States and the only one in New Jersey, that offers veterinary diagnostic testing.

State Budget Dedicates \$85 Million to Food Banks

Governor Phil Murphy was joined by Secretary Fisher and other members of the Administration, government officials, and advocates at the Community Food Bank of New Jersey to highlight ongoing efforts to address food insecurity on behalf of families throughout New Jersey as part of the Governor’s commitment to making life more affordable for residents. Efforts to strengthen food security include the enactment of legislation, inclusion of funding in the State budget, and the creation of a first-in-the-nation Office of the Food Security Advocate. From its outset, the Murphy Administration has secured historic increases in funding for New Jersey food banks, including an additional \$65 million in Fiscal Year 2023 (FY2023). A total of \$85 million was dedicated in the FY2023 budget to support the critical work of New Jersey’s six largest food banks.



Secretary Fisher Visits Farmers Who Grow for Ukrainian Seed Bank



Secretary Fisher visited The Seed Farm at Princeton University’s Stony Ford Research Station this fall to learn more about its mission and its role in growing plants for seeds for Ukraine. One of the farm’s partners is Nate Kleinman, who leads the Experimental Farm Network. Earlier this year, Nate went to the USDA’s national seed bank and got seeds from Ukraine as he was concerned how the war there would affect the country’s agriculture. One of the plants grown at The Seed Farm was the Ukrainian Sunflower. Also working on the project was Tomia MacQueen of Wildflower Farm, and Nagisa Manabe of River Stoa Farm. Joining the visit were Chief Vincent Mann and Michealine Picaro of the Ramapough Lenape Turtle Clan, and Princeton Associate Research Scholar Tessa Lowinske Desmond.

NJDA Becomes Part of One Health Initiative

In June 2021, Governor Murphy signed legislation establishing the “New Jersey One Health Task Force” in the NJDA, making New Jersey the first state, and the first regional jurisdiction in the United States and Canada, to legislate a One Health initiative to study, prepare for, and respond to instances where health concerns cross the barriers of human, animal, and environmental health.

The NJ One Health Task Force aims to anticipate, plan, and address issues that can benefit from the One Health approach, such as zoonotic diseases, cli-

mate change, antimicrobial resistance, as well as food safety and security.

The NJ One Health Task Force members are comprised of the Secretary of Agriculture, the Commissioner of Environmental Protection, and the Commissioner of Health (or their designees) along with 10 public members with transdisciplinary expertise that is tasked with providing the knowledge and leadership to devise programs relating to research, education, outreach, and emergency preparedness in the One Health arena.



2022

Accomplishments Overview

Division of AGRICULTURAL AND NATURAL RESOURCES

New Jersey's FFA Membership Grows to Highest Number Ever



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 inter-agency 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.

The New Jersey FFA Association marked a banner year by increasing its membership to more than 3,000, the highest it has ever been. Some of the FFA highlights throughout the year included the 93rd Annual State FFA



Convention, which included the election of the 2022-23 State Officer team of Jonathan Finney (Salem Tech), State President; Loriann De Sousa Rego, (East Brunswick), State Vice President; Chase Sherburne, State Secretary (Salem Tech).

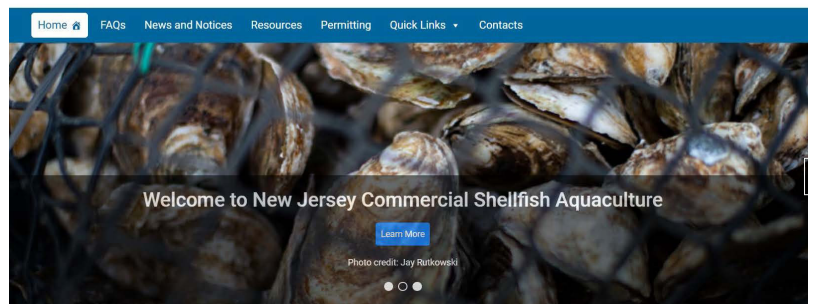
Some other major events to take place during the year included the Floral Design Career Development Event (CDE) and Horticultural Expo in March (pictured above), the Advocacy and Legislative Leadership Event in February, the Leadership Experience and Development Conference in October, many other career development events, as well as many state chapters attending the National FFA Convention in Indianapolis in October.

New Website Highlights Aquaculture

With significant input from the NJDA, the New Jersey Department of Environmental Protection launched the New Jersey Commercial Shellfish Aquaculture website.

Commercial shellfish aquaculture information from several state and federal agencies is packaged within a single source. This new website focuses on leasing, licensing, permitting, safe harvest and handling practices and highlights upcoming meetings and important and timely news - all in one convenient location. The page can be visited at <https://dep.nj.gov/aquaculture/>.

NJ Commercial Shellfish Aquaculture



This website is the result of a multi-agency effort to provide both new and existing shellfish growers with resources on a variety of topics related to commercial shellfish aquaculture in New Jersey all in one place. This includes, but is not limited to: leasing, permitting, and safe harvest and handling practices. Each aquaculture operation in New Jersey is unique and will require different considerations, but the information provided in this website is meant to serve as a resource for general information needed to grow shellfish in the state.

Manure Link to Connect Producers, Composters

The Department is partnering with the Rutgers University, Office of Research Analytics to develop and the New Jersey Manure Link website to connect manure producers with composters and farmers to provide an option for many farming operations in the state.

The NJDA's Division of Agricultural and Natural Resources applied for and received a Conservation Innovation Grant from the USDA's Natural Resources Conservation Service for the Manure Link project.

The New Jersey Manure Link website is expected to be activated in late 2023 or early 2024. It will list producers with manure availability and manure seekers requests. The project will give the opportunity for smaller farms with limited land capacity a way to distribute their manure to composters and farmers who can use it to benefit their operations.

The New Jersey Compost Council (NJCC) and Honey Brook Organic Farm will also be partners in the project. The NJCC will provide support for the outreach and educational components including hands-on composting field days and resources for the website. Honey Brook has years of successful composting experience as it is an established farm that incorporates manure from local equine farms into their



composting operation.

Field days will be scheduled for livestock farmers and composters, as well as producers across all agricultural sectors including urban farming to demonstrate the importance of composting, and nutrient management.

NJACD Meeting Brings Together 'Souls of the Soil'

The New Jersey Association of Conservation Districts Annual Conference took place in late November at the Monmouth County Agriculture Building in Freehold. The meeting brings together representatives from each of the state's 14 soil conservation districts as well as staff from the NJDA, Rutgers Cooperative Extension and the New Jersey Natural Resources Conservation office.

Secretary Fisher delivered remarks at the meeting and commended the representatives, reminding them they are the "Souls of the Soil" for the work they do.



Division of ANIMAL HEALTH

Avian Influenza Reaches New Jersey



Dr. Amar Patil
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.



Cooperation with Other Departments Keys Effective Response

Animal Health Division staff coordinated with other state departments and the USDA to effectively respond to Avian Influenza cases in the state in 2022. The most substantial animal health outbreak since 2005 started in the Midwest in 2021. By 2022, the outbreak had encompassed 46 states. From the beginning of the national outbreak at the end of 2021, the Division instituted increased surveillance of poultry and domestic waterfowl in the state through field operations and laboratory testing at the Division's New Jersey Animal Health Diagnostic Laboratory (AHDL). In May of 2022, the Division made the first detection of Highly Pathogenic Avian Influenza in Monmouth County and subsequently quarantined, depopulated, and disinfected the farm where the detection was made according to national and international standards. Division staff also instituted surveillance and control zones surrounding the premises.

Subsequent detections occurred in Warren and Ocean counties in October and Bergen County in November. In all cases, the Division mitigated the detection according to national and international standards. In addition, Division staff participated in multiple trace events due to detections in neighboring states as well as instituted substantial permitting activities to continue to allow the movement of poultry and eggs from affected locations into New Jersey.

Hiring of Animal Humane Chief Enhances Program

The Division of Animal Health (DAH) successfully hired an Animal Humane Chief. A bureau for the humane treatment of domestic livestock has been on the division's wish list since the inception of the Humane Standards in 2004. It had been identified that the division's expert Certified Livestock Inspectors (CLI) faced challenges bringing their findings to the various Law Enforcement Agencies tasked with the enforcement of the law. The Chief acts as a liaison between the Division and the various local and county law enforcement agencies keeping the increasing number of animal humane cases on the radar of the appropriate agencies. Through the Chief's work of building relationships with enforcement, the outcomes of cases involving the department's CLI have improved through supporting the efforts of various enforcement agencies.



NJDA Organizes Pet Shelter Training for Emergencies

The Division's animal emergency preparedness coordinator, in partnership with the New Jersey Department of Human Services Office of Emergency Management organized a pet sheltering training that took place in two locations in October.

The first training on October 1 was in Gloucester County and the second training took place in Middlesex County on October 2.

The training was for County Animal Response Team (CART) and State Animal Response Team (SART) members.

The two events had identical agendas, allowing team members to choose one nearby location to attend. Subject matter experts from Red Rover, a nationally recognized organization, traveled to New Jersey to lead the exercise.

The primary focus of the one-day training was to learn more about the intake and registration process at an emergency pet shelter, utilizing the current CART/SART Standard Operating Guidelines as a framework for the content. Additionally, there was a practicum in daily pet care and identifying animal behavioral cues. The Department is the lead organization for animal care during an emergency.

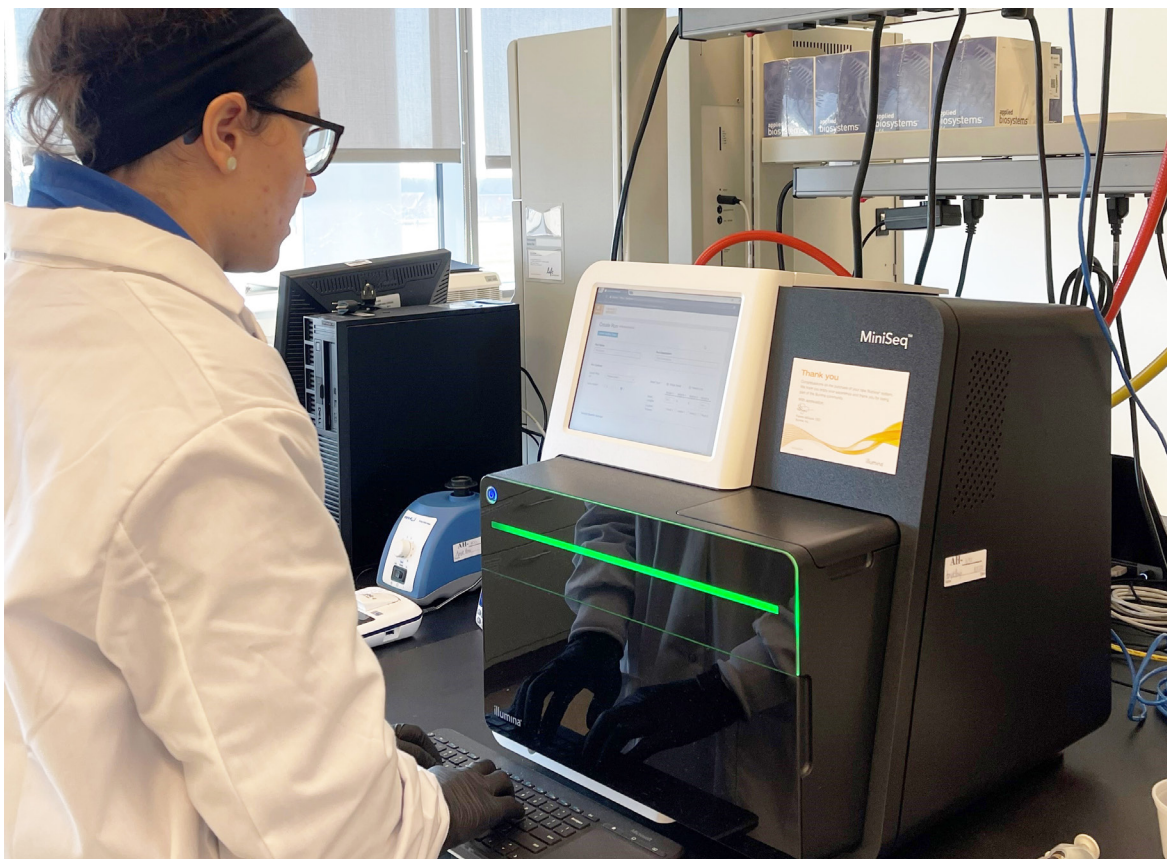


Animal Health Lab Implements COVID Variant Testing Program

The Animal Health Division's New Jersey Animal Health Diagnostic Laboratory (AHDL) implemented COVID next-generation sequencing to identify emerging COVID variants in collaboration with Federal and State partners. The variant detection was performed on wastewater samples.

The AHDL conducted wastewater surveillance in agricultural areas. Sequencing nucleic acids isolated from raw wastewater is a reliable predictor for any COVID variant emerging at any given time in a community.

The AHDL's COVID wastewater surveillance data can be accessed at <https://tinyurl.com/2s3h9p44>.







Division of FOOD AND NUTRITION



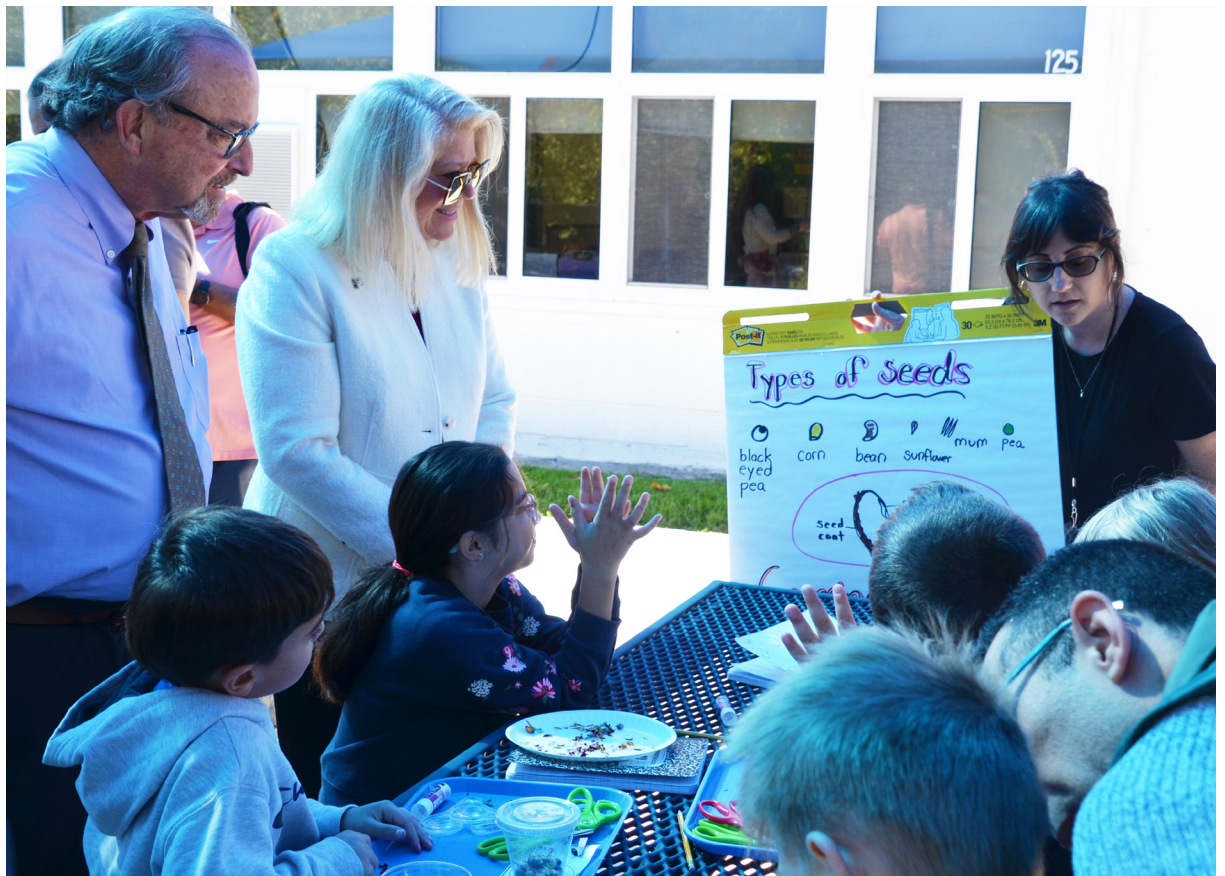
Rose Chamberlain
Division Director

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.



Top Farm to School Programs Recognized

The Department recognized Three Bridges Elementary School in Hunterdon County and Cheyenne's Road Market in Burlington County for their outstanding Farm to School Programs during the 12th Annual Farm to School week September 26-30, 2022.

Three Bridges Elementary School (pictured above) won the Best in New Jersey Farm to School Award during a visit to the school's outdoor classroom. The school's activities include daily participation in Farm to School Week, menu offerings from local farms, harvest of the

month featured in the cafeteria, taste tests with food from the school garden, a curriculum tied to the garden, indoor herbs grown in AeroGrow, sending flyers home to parents, and presenting to the school board about the importance of nutrition and local foods.

Cheyenne's Road Market won the Jersey Fresh Farm to School Farmer Recognition Award. Over the last 15 years, Cheyenne's Road Market has set up displays in the hallways of local schools, libraries, and gymnasiums to promote eating healthy and how agriculture relates to them.

USDA Foods Conference Previews School Meals

School officials from around New Jersey previewed the newest lunch and breakfast offerings available from food manufacturers during the USDA Foods Conference. The conference had more than 350 school food service directors, superintendents, and business administrators attend who could sample meals they can order for the 2023-2024 school year.



FFVP Tops Participation Mark, Honors Elizabeth School No. 3

The Department announced in early November that the number of schools participating in the Fresh Fruit and Vegetable Program continues to increase with a record-high 210 schools registered. The program has grown from 33 schools since its inception in 2008. The United States Department of Agriculture allocated \$5,580,688 to New Jersey for this school year's FFVP to provide fresh produce to approximately 100,000 students in 54 districts throughout 16 counties during the school day. The students also receive nutrition education. Of the 210 schools, 84 percent agreed to link their FFVP to the Jersey Fresh Farm to School Program.

In December, the Department honored Nicholas LaCorte-Peterstown School No. 3 in Elizabeth (pictured at right) with the FFVP VIP Award. Students at the school have been served Jersey Fresh throughout the year as FFVP snacks, including snap dragon apples, kale, spinach, corn on the cob (shucked by students), asparagus, tomatoes, green beans, bell peppers, squash, and brussels sprouts. School No. 3 also features a farm stand with fresh produce which allows students to grab a fruit or vegetable throughout the day for a healthy snack.



School Lunches a Hit At Bacon Elementary

Secretary Fisher marked National School Lunch Week with a visit to R.M. Bacon Elementary School in Cumberland County to learn about the school's and Millville School District's student meal program.

Secretary Fisher watched as students taste tested offerings on the lunch menu, which included cheesy chicken alfredo with pasta, a whole grain dinner roll, parmesan green beans, fresh apple slices, and milk.

The Millville District serves more than 5,000 meals daily with the USDA breakfast, lunch, dinner, and the Fresh Fruit & Vegetable Program (FFVP). Millville also participates in the Department of Defense (DOD) Direct Delivery, which brings fresh produce into the Millville District schools. Through the FFVP and DOD the district purchases food from New Jersey farmers, including Circle M Farms, and Fichera Farms each in Salem County, and Sheppard Farms in Cumberland County.

National School Lunch Week was created by the School Nutrition Association to encourage participation in the National School Lunch Program and recognize the school districts providing healthy meals.

Division of MARKETING AND DEVELOPMENT

County Fairs Return To Full Schedule



Joe Atchison III
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.



One of the highlights of 2022 was the return of all of the county fairs as they had a full schedule. That also meant the return of having a County Fair Ag Ambassador, which was Rachel Ewing of Hunterdon County. Secretary Fisher visited several local fairs throughout the summer and early fall months.

Ewing also made the rounds to see many of the fairs. This is the 18th year the Agricultural Fair Association of New Jersey has named an ambassador. In choosing an ambassador, the Association seeks a good representation of young people active in agriculture in the Garden State and their county fair.

"It means so much that the ag fairs are back and now, and it will be really valuable seeing families and children interacting," Ewing said last spring. "The fairs are really important to help people understand agriculture. A lot of people don't see cows, or goats, or whatever it may be, and it's great to see their faces light up when they do."

There were 18 agricultural fairs scheduled throughout the state last summer, including the New Jersey State Fair at the Sussex County Fairgrounds.

The earliest fair is held in late June, with the final fair of the season in mid-September.



Produce Promotions Popular at Shore Sites

The Department highlighted three of the state's top crops with the return of popular promotions at boardwalks along the Jersey Shore. This past summer's produce days at the shore were blueberries on National Blueberry Day on July 8, a tomato distribution on July 21, and a peach giveaway was on August 22 on National Eat a Peach Day.

The events took place on the boardwalks in Wildwood, Atlantic City and Seaside Heights. Blueberry Day took place in conjunction with the New Jersey Blueberry Industry Advisory Council, and Peach Day took place in conjunction with the New Jersey Peach Promotion Council. New Jersey is regularly among the top five producers in the country in blueberries, tomatoes and peaches, according to the USDA's National Agricultural Statistics Service.

Visits to Stores, Farms, Markets Highlight Jersey Fresh Produce

Secretary Fisher and Department Staff made several visits throughout the growing season to farms, farmers markets and supermarkets to highlight Jersey Fresh produce being widely available.

Among the stops were Walker Brothers Farm in Salem County to highlight asparagus; Macrie Brothers Farm, Giordano Farms, and Wuillermin and Sons Farms in Atlantic County to highlight blueberries and vegetables; Eastmont Orchards in Monmouth County to highlight peaches; Lipman Family Farms Value Added facility in Gloucester County and ZRH Farms in Salem and Gloucester counties to highlight peppers; a Stop & Shop in Passaic County, and a Stew Leonard's Supermarket in Bergen County (pictured above) that each featured produce from many New Jersey farms; the Maplewood Farmers Market in Essex County, and the Trenton Farmers Market in Mercer County during National Farmers Market Week; and Bonacorsi's Farm in Hunterdon County to highlight pick your own strawberries.

Jersey Fresh was also promoted at several major events in North America, including the New York Produce Show, the Eastern Produce Council Dinner, the USDA Foods Conference, the New Jersey Food Council Good Government Breakfast; the Food Export Conference in Chicago, the International Fresh Produce Association Global Produce and Floral Show in Orlando, the New England Produce Council Show in Boston, and the Allegiance/Foodtown Show in Edison, N.J.



Yearlings from NJ Sires Again Among Leaders At Prestigious Sale

Yearlings from New Jersey sire Walner, pictured at right, led individual sales at the Lexington Selected Yearling Sale in Kentucky in October. Walner led all stallions in gross sales at almost \$7 million with 60 of his offspring sold. Two other New Jersey Sires were among the gross sales leaders with Muscle Hill's 38 offspring going for just over \$4.7 million and Tactical Landing's 54 offspring going for more than \$3.5 million. Walner, Muscle Hill, and Tactical Landing, each stand at Southwind Farms in Pennington in Mercer County.



"The yearlings for our New Jersey-bred horses are in high demand and the results at this prestigious sale continue to prove their value," Secretary Fisher said. "The thriving horse industry here supports many agriculture-related businesses."

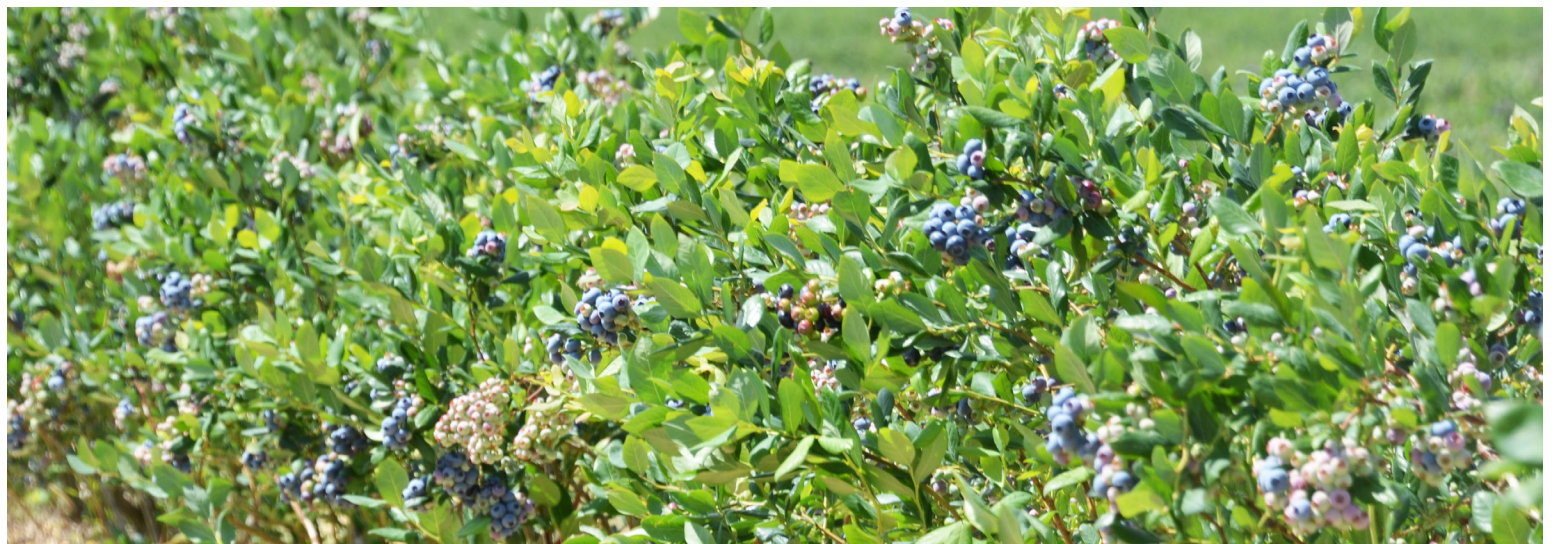
Muscle Hill led Day 1 of the sale with 17 yearlings going for

a total of just over \$3.5 million, while Walner was third with 16 yearlings at slightly more than \$3 million. Walner led Day 2 of the five-day event with 35 offspring going for almost \$3.4 million. The Walner-sired Awaiting, out of Lonely Lady, and the Muscle Hill-sired Stardust Volo, out of Starling Volo, tied for the fourth highest selling price each at \$525,000. The top seller from Tactical Landing was Fala, out of Swing it Cathy, for \$375,000.

Overall, Muscle Hill offspring sold for the fourth-highest average at \$124,158, while Walner's

average was sixth at \$115,817. The totals for the week were 886 yearlings sold for a total of \$65,289,000, an average of \$73,690 per horse. Concord Stud, based in Cream Ridge in Monmouth County, was third among consignors in average with \$108,714 for 14 yearlings.





Division of PLANT INDUSTRY

Beneficial Insect Lab Featured on Netflix



Joe Zoltowski
Division Director

'Getting Curious with Jonathan Van Ness' Tapes Show at PABIL

Secretary Fisher and staff from the Phillip Alampi Beneficial Insect Laboratory were featured on the Netflix show "Getting Curious with Jonathan Van Ness." The first episode "Are Bugs Gorgeous or Gross?" included a visit to the lab where Secretary and Division staff informed Jonathan about some of the positive uses of insects. The show became available on Netflix in late January of 2022.



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.



LDD Treatments Recommended for 2023

The Department announced in late December that it is recommending approximately 5,000 acres to be treated in New Jersey as part of the *Lymantria dispar dispar* (formerly gypsy moth) suppression program.

A statewide aerial defoliation survey of over 2.2 million acres identified gypsy moth populations

impacting 3,384 acres of residential and municipal forestlands, and 1,185 acres of state-owned lands in eight municipalities in Burlington, Cape May and Ocean counties.

To qualify for the program, a residential or recreational forest must have an average of more than 500 egg masses per acre and be at least 40 acres in size.

Nursery Inspection Program Certifies Dealers, Shipments



The NJDA's nursery inspection staff inspected 974 nursery and greenhouse locations in 2022. These seasonal inspections occur on a yearly basis to ensure that regulated plant material is free from injurious insect pests and disease. In addition to this seasonal inspection, growers may also request phytosanitary certification for individual shipments on a load-by-load basis.

A total of 1,660 nursery plant dealer locations, including garden centers and landscape firms, were certified in 2022. Plant dealer certification involves verification that plant dealer stock originates from certified sources and visually inspecting nursery stock when present.

Also, more than 500 phytosanitary inspections were conducted during 2022. Accredited Certification Officials (ACO's) issued 342 state phytosanitary certificates for shipments of bulbs, corms, tubers, assorted tree/shrub seedlings, blueberry plants, poinsettia cuttings, and assorted annual plugs to other states.

There were 161 federal phytosanitary certificates (PPQ Form(s) 577 & 579) issued to facilitate the export or re-export of assorted nursery stock (B&B, grafts, and rooted cuttings), poinsettia cuttings, bulbs, corms, tubers, cranberry plants, fig trees, and containers of agricultural seed out of the country. To meet an increased demand for phytosanitary certification, compliance agreements have been developed for many growers in which they must routinely provide records for review during audit inspections by program staff. Currently, the NJDA maintains compliance agreements for 80 certified nurseries and fruit producers.

Municipal Funding Reimbursements Help With Spotted Lanternfly Battle

The NJDA continued its battle against the invasive spotted lanternfly (SLF) by treating 11,100 trees on 277 parcels totaling 13,488 acres in 2022. The Department also initiated a county treatment reimbursement funding program to enlist county governments to conduct local treatments to aid in SLF population reduction. The funding amount can be as much as \$15,000 and possibly more. The funds will be given to counties for costs they accrue for chemical treatment activities associated with spotted lanternfly control. As of the end of the 2022, there were 10 counties that had applied for the funding opportunity.

conducted egg mass inspections with NJDA SLF teams at several shipping nurseries during 2022.

Eight nurseries were selected for these inspections based on the volume of nursery stock shipped and the number destinations outside of the SLF quarantine area. More than 60,000 SLF egg masses were detected and removed from stock that could have moved these egg masses out of the quarantine zone. Additional egg masses were detected in surrounding hedge rows and woodlands. Staff used the inspections as an opportunity to confirm each grower's quarantine compliance.

Nursery inspection staff



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 on projects, such as deer fencing.

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 Nearing 250,000 Acres

The State Agriculture Development Committee preserved 64 more farms consisting of more than 6,000 acres in 2022. Overall, that brought the total of preserved farmland in New Jersey to 248,009 acres on 2,813 farms in 185 municipalities that have been permanently preserved under the program. In terms of number of acres preserved, Salem County continues to be the leader at 42,644 acres, followed by Hunterdon County at 35,797 and Burlington County at 29,288. Hunterdon County is the leader in the number of farms preserved with 462 followed by Salem County at 396 and Warren County at 310.

Burlington County has the most municipalities with preserved land at 21, followed by Warren County and Hunterdon County each with 19. The counties with the largest average farm size that is preserved are Burlington at 121 acres, Salem at 108 acres, Atlantic at 106 acres, Sussex at 105 acres, and Cumberland at 94 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).

Future Program Subcommittee to Examine Farmland Protection Factors

The State Agriculture Development Committee (SADC) convened a “Future Program Subcommittee” to ensure the SADC builds on its progress to date, identifies how conditions have changed over time, and develops recommendations for future program enhancements.

The subcommittee is comprised of four SADC members including two farmer members, one public member and a representative of Rutgers University’s Cooperative Extension.

The subcommittee’s first order of business was the development and distribution of a Farmland Preservation Program (FPP) survey to program partners, including members of New

Jersey’s 18 County Agriculture Development Boards (CADBs), county FPP administrators, municipal agriculture advisory committee members, municipal FPP program coordinators, and nonprofit land trusts who participate in the FPP.

In Fiscal Year 2023, the subcommittee will evaluate the results from the survey, interview all program partners, conduct technical data analysis in conjunction with Rutgers University, send a second program survey to the broader agricultural community, and issue a report to the SADC containing recommendations to guide the future of the FPP goals and its mission.

Roohr Named SADC Deputy Executive Director

The SADC named Charles “Chuck” Roohr as its new Deputy Executive Director in 2022. Roohr has been with the SADC since 2000 and has worked extensively in all aspects of the Farmland Preservation Program (FPP), including the Right To Farm program, acquiring easements and the purchase and resale of farms in fee simple, and stewardship of preserved farmland.

Since 2019, Roohr has been the SADC’s Chief of Agriculture Resources, responsible for managing all post-preservation aspects of preserved farmland, including applications for solar installations, agricultural labor housing, house replacement, and division of preserved farms.

He has also led in developing and imple-

menting programs to support New Jersey’s agricultural businesses, including deer fencing, soil and water cost-share grants, and the SADC’s one-time “business development” grants program.

Roohr was born and raised on his family’s Central Jersey farm, which specializes in vegetables, fruit, grain, and pheasants.

His first-hand knowledge of the challenges of operating a farm in New Jersey, coupled with his over two decades of work within the SADC, uniquely positions him to help lead the agency’s future.

He has continued to farm nights and weekends actively throughout his professional career.











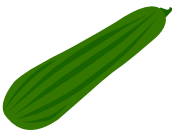


Right to Farm A Safeguard For NJ Operations

The SADC administers New Jersey’s Right to Farm (RTF) Act in partnership with the state’s 18 County Agriculture Development Boards (CADBs) to protect responsible commercial farms from public and private nuisance actions and unduly restrictive local regulations. To receive RTF protection, farms must be operated in conformance with generally accepted practices and meet other eligibility criteria. RTF deter-



minations are made by CADBs and the SADC on a case-by-case basis and must include a consideration and balancing of the interests of each party, including relevant local ordinances. Because understanding and administering the RTF Act is critical and can be complex, the SADC continues to engage those involved through continued education. In 2022 the SADC engaged with virtual and in-person educational presentations through the NJ Association of Planning and Zoning Administrators and to the Foodshed Alliance.

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

2021 Statistics	Produce	Rank	Production	Production Value	Acres
	eggplant	1st	23.7 million lbs.	\$7.2 million	760
	spinach	3rd	13.7 million lbs.	\$14.1 million	1,400
	tomatoes	3rd	56 million lbs.	\$18.7 million	2,900
	cranberries	3rd	58.8 million lbs.	\$23.2 million	2,900
	bell peppers	3rd	129.7 million lbs.	\$48.7 million	4,000
	peaches	3rd	27.4 million lbs.	\$35.7 million	3,600
	asparagus	4th	5.7 million lbs.	\$10.8 million	1,900
	blueberries	6th	41 million lbs.	\$78 million	7,500
	cucumbers	6th	28 million lbs.	\$7.8 million	1,800
	squash	7th	32 million lbs.	\$17.7 million	2,900
	sweet corn	9th	4.6 million lbs.	\$17.4 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



#AgCensus
  

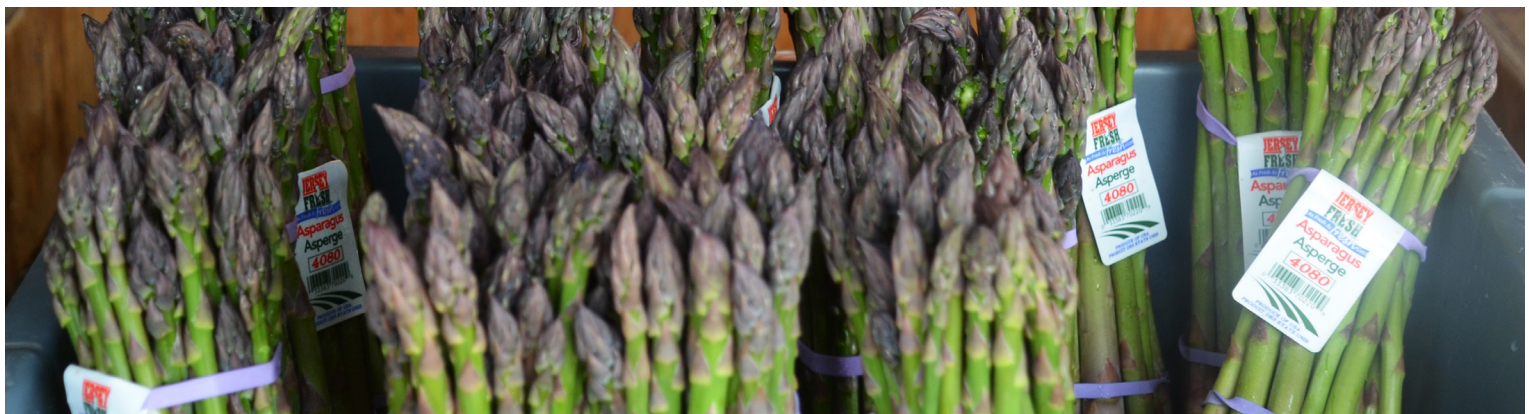
New Jersey: Field Crops, Weights, Measures, and Conversion Factors

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 – 2021

Item	1	2	3	4	5
Crop Harvested Acres					
Blueberries	Georgia	Washington	Michigan	Oregon	New Jersey
Cranberries	Wisconsin	Massachusetts	New Jersey	Oregon	
Peaches ^{1,2}	California	South Carolina	Georgia	New Jersey/Pennsylvania	North Carolina
Peppers, bell	Florida	California	New Jersey	Georgia	

¹Bearing acres.

²Tied in ranking

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



Field Crop Summary – New Jersey: 2021

Crop and Units	Acres Harvested	Yield per Acre	Production	Season Average Price per Unit	Value of Production	
					Total	Per Acre
			<i>1,000</i>	<i>dollars</i>	<i>\$1,000</i>	<i>dollars</i>
Corn for Grainbu	72,000	163	11,736	6.10	71,590	994
Corn for Silageton	5,000	20.0	100	(NA)	(NA)	(NA)
All Hayton	98,000	2.18	214	162	34,770	352
Alfalfa Hayton	13,000	3.4	44	230	10,120	778
Other Hayton	85,000	2.0	170	145	24,650	290
Soybeans for Beansbu	99,000	46	4,554	12.20	55,559	561
Winter Wheatbu	16,000	67	1,072	6.50	6,968	435

(NA) Not available.

Fruit Crop Summary – New Jersey: 2021

Crop and Units	Acres Bearing/ Harvested	Yield per Acre	Utilized Production	Season Average Price per Unit	Value of Production	
					Total	Per Acre
			<i>1,000</i>	<i>dollars</i>	<i>\$1,000</i>	<i>dollars</i>
Blueberrieslbs	7,500	5,600	41,160	1.890	77,878	10,384
Cranberriesbarrels	2,900	203.0	588	39.60	23,283	8,028
Peachestons	3,600	3.8	14	2,610.00	35,731	9,928

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
	<i>acres</i>	<i>cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>dollars/cwt</i>	<i>\$1,000</i>	<i>dollars</i>
Principal Vegetables							
AsparagusJan-Juncwt	1,900	30.0	57.0	56.9	262.00	14,896	7,840
Cabbage ²Jan-Deccwt	1,600	273.0	437.0	416.0	24.00	9,984	6,240
Collards ²Jan-Deccwt	600	195.0	117.0	117.0	17.40	2,036	3,396
CucumberJuly-Deccwt	1,800	150.0	270.0	270.0	29.30	7,911	4,392
Eggplant ²July-Deccwt	680	205.0	140.0	132.7	61.10	8,066	11,864
Escarole & Endive ²Jan-Deccwt	210	165.0	35.0	30.0	29.60	888	4,224
Herbs ^{2,3}Jan-Deccwt	1,600	125.0	200.0	200.0	74.00	14,800	9,256
Kale ²Jan-Deccwt	880	90.0	79.0	79.0	40.70	3,216	3,656
Lettuce, All ^{2,4}Jan-Deccwt	1,100	182.0	200.0	188.0	49.00	9,222	8,384
Parsley ²Jan-Deccwt	550	125.0	69.0	69.0	43.40	2,995	5,440
Peppers, Bell.....July-Deccwt	3,800	275.0	1045.0	1045.7	53.60	55,966	14,352
PumpkinsJuly-Deccwt	1,300	110.0	143.0	143.0	55.10	7,879	6,064
Snap Beans.....Jan-Deccwt	1,500	30.0	45.0	45.0	62.80	2,827	1,880
Spinach.....Jan-Deccwt	1,700	115.0	195.5	194.5	31.80	6,182	3,632
Squash, Summer ²July-Deccwt	2,250	86.0	193.5	153.5	50.35	7,728	3,432
Squash, Winter ²July-Deccwt	1,450	63.0	91.4	85.8	38.80	3,328	2,296
Sweet Corn.....July-Deccwt	6,200	82.0	508.0	463.0	39.50	18,280	2,944
Tomatoes.....July-Deccwt	3,000	265.0	795.0	756.0	63.40	47,923	15,976
Total - 18 market crops.....	32,120	---	---	---	---	224,127	6,976

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: 2017-2021

Year	Area planted ¹	Area harvested	Yield per acre	Production	Price per bushel ²	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>bushels</i>	<i>1,000 bushels</i>	<i>dollars</i>	<i>1,000 dollars</i>
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.....	80	73	156.0	11,388	5.70	64,912
2021.....	78	72	163.0	11,736	6.10	71,590

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: 2017-2021

Year	Area planted ¹	Area harvested	Yield per acre	Production	Price per ton ²	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>tons</i>	<i>1,000 tons</i>	<i>dollars</i>	<i>1,000 dollars</i>
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)
2021.....	(NA)	5	20.0	100	(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: 2017-2021

Year	Area harvested	Yield per acre	Production	Price per ton ¹	Value of production
	<i>1,000 acres</i>	<i>tons</i>	<i>1,000 tons</i>	<i>dollars</i>	<i>1,000 dollars</i>
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
2021.....	13	3.40	44	230.00	10,120

¹ Marketing year average price.

Other Hay Area Harvested, Yield, Production, Price, and Value – New Jersey: 2017-2021

Year	Area harvested	Yield per acre	Production	Price per ton ¹	Value of production
	<i>1,000 acres</i>	<i>tons</i>	<i>1,000 tons</i>	<i>dollars</i>	<i>1,000 dollars</i>
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
2021.....	85	2.00	170	145.00	24,650

¹ Marketing year average price.

All Hay Area Harvested, Yield, Production, Price, and Value – New Jersey: 2017-2021

Year	Area harvested	Yield per acre	Production	Price per ton ¹	Value of production
	<i>1,000 acres</i>	<i>tons</i>	<i>1,000 tons</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	185.00	36,177
2021.....	98	2.18	214	162.00	34,770

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: 2017-2021

Year	Area planted	Area harvested	Yield per acre	Production	Price per bushel ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>bushels</i>	<i>1,000 bushels</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	11.50	49,197
2021.....	100	99	46.0	4,554	12.20	55,559

¹ Marketing year average price.

Winter Wheat Area Planted and Harvested, Yield, Production, Price, and Value – New Jersey: 2017-2021

Year	Area planted	Area harvested	Yield per acre	Production	Price per bushel ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>bushels</i>	<i>1,000 bushels</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	5.80	6,995
2021.....	23	16	67.0	1,072	6.50	6,968

¹ Marketing year average price.



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

County	Planted	Harvested	Yield	Production
	<i>acres</i>	<i>acres</i>	<i>bushels</i>	<i>bushels</i>
Atlantic	300	260	26.9	7,000
Bergen.....	(¹)	(¹)	(¹)	(¹)
Burlington.....	20,900	20,800	43.0	894,000
Camden.....	(¹)	(¹)	(¹)	(¹)
Cape May.....	(¹)	(¹)	(¹)	(¹)
Cumberland	11,200	10,900	42.3	461,000
Essex.....	(¹)	(¹)	(¹)	(¹)
Gloucester.....	(¹)	(¹)	(¹)	(¹)
Hudson.....	(¹)	(¹)	(¹)	(¹)
Hunterdon	5,900	5,800	49.0	284,000
Mercer.....	3,800	3,780	41.5	157,000
Middlesex	(¹)	(¹)	(¹)	(¹)
Monmouth	5,200	5,100	42.7	218,000
Morris	(¹)	(¹)	(¹)	(¹)
Ocean.....	(¹)	(¹)	(¹)	(¹)
Passaic	(¹)	(¹)	(¹)	(¹)
Salem	23,200	23,100	45.7	1,056,000
Somerset	1,700	1,670	44.0	73,500
Sussex.....	1,200	1,190	54.0	64,300
Union	(¹)	(¹)	(¹)	(¹)
Warren	8,500	8,450	59.2	500,000
Other Counties	12,100	11,950	47.1	563,200
New Jersey Total.....	94,000	93,000	46.0	4,278,000

¹ Represents zero or is included in Other Counties.

Soybean Acreage, Yield, and Production, by County – New Jersey: 2021

County	Planted	Harvested	Yield	Production
	<i>acres</i>	<i>acres</i>	<i>bushels</i>	<i>bushels</i>
Atlantic	(¹)	(¹)	(¹)	(¹)
Bergen	(¹)	(¹)	(¹)	(¹)
Burlington.....	21,200	21,100	44.2	933,000
Camden.....	(¹)	(¹)	(¹)	(¹)
Cape May	(¹)	(¹)	(¹)	(¹)
Cumberland	12,000	11,800	42.3	499,000
Essex.....	(¹)	(¹)	(¹)	(¹)
Gloucester.....	(¹)	(¹)	(¹)	(¹)
Hudson	(¹)	(¹)	(¹)	(¹)
Hunterdon.....	5,500	5,490	42.3	232,000
Mercer	4,100	4,050	48.6	197,000
Middlesex	(¹)	(¹)	(¹)	(¹)
Monmouth	4,200	4,160	44.7	186,000
Morris.....	(¹)	(¹)	(¹)	(¹)
Ocean.....	(¹)	(¹)	(¹)	(¹)
Passaic	(¹)	(¹)	(¹)	(¹)
Salem.....	25,900	25,800	48.1	1,240,000
Somerset.....	1,900	1,880	33.9	63,800
Sussex.....	(¹)	(¹)	(¹)	(¹)
Union.....	(¹)	(¹)	(¹)	(¹)
Warren.....	9,400	9,250	57.2	529,000
Other Counties.....	15,800	15,470	43.6	674,200
New Jersey.....	100,000	99,000	46.0	4,554,000

¹ Represents zero or is included in Other Counties.



Floriculture: Selected Crops and State Totals – New Jersey: 2021

Growers with Gross Value of Sales	Number of Growers	Covered Area	Total Value of Sales ¹
		<i>1,000 square feet</i>	<i>\$1,000</i>
\$100,000 and over	146	21,993	348,708
\$10,000 - \$99,999	160	2,191	6,905
Total.....	306	24,184	355,613

¹ Total value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated 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: 2021

Type of Cover	All Operations with \$10,000+ Sales	All Operations with \$100,000+ Sales
	2021	2021
	<i>1,000 square feet</i>	<i>1,000 square feet</i>
Total Greenhouse Cover	23,178	21,031
Glass Greenhouses	5,579	5,439
Fiberglass and Other Rigid Greenhouses	1,163	1,005
Film Plastic Greenhouse	16,436	14,587
Shade and Temporary Cover.....	1,006	962
Total Covered Area.....	24,184	21,993

Floriculture: Selected Crops and State Totals – New Jersey: 2021

Plant Type and Units for Quantity Sold	Operations with \$100,000+ Sales		
	Growers	Quantity Sold	Total Value of Sales
	2021	2021	2021
	<i>number</i>	<i>1,000 units</i>	<i>\$1,000</i>
Bedding/Garden Plants, Total ¹			194,263
Annuals			123,704
Hanging Baskets, Geraniums(Cuttings)..... Baskets	55	490	4,880
Hanging Baskets, Impatiens (Other)..... Baskets	21	211	1,515
Hanging Baskets, New Guinea Impatiens..... Baskets	50	205	2,254
Hanging Baskets, Petunias..... Baskets	54	705	6,623
Impatiens (Other)..... Flats	54	514	4,594
Petunias..... Flats	61	273	3,159
Marigolds..... Flats	64	297	3,163
Geraniums (Cuttings)..... Pots	70	2,451	7,236
New Guinea Impatiens..... Pots	60	1,529	3,731
Pansies/Violas..... Pots	40	2,119	5,864
Potted Herbaceous Perennials			70,559
Hardy/Garden Chrysanthemums..... Pots	62	6,159	21,219
Hostas	41	1,689	7,455
Other Potted Herbaceous Perennials..... Pots	47	4,895	28,134
Flowering Plants, For Indoor Patio Use, Total			52,121
Lilies, Easter	21	350	1,628
Poinsettias	47	1,652	11,064

¹ Includes annual bedding plants and herbaceous perennials.

**Blueberry Acreage, Yield, Production, Price, and Value – New Jersey: 2017-2021
(Cultivated Blueberries)**

Year	Area harvested	Yield per acre ¹	Production		Price per pound ²	Value of utilized production
			Total	Utilized		
	<i>acres</i>	<i>pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>dollars</i>	<i>1,000 dollars</i>
2017.....	9,300	4,380	41,180	40,770	1.910	77,882
2018.....	9,000	4,940	44,500	44,010	1.420	62,441
2019.....	9,200	5,090	46,800	45,590	1.850	84,407
2020.....	8,400	5,350	44,900	44,460	1.690	75,098
2021.....	7,500	5,600	42,000	41,160	1.890	77,878

¹ Yields prior to 2018 are based on utilized production.

² Marketing year average price.

Blueberry Production, Price, and Value, by Utilization – New Jersey: 2017-2021

Year	Fresh			Processed		
	Quantity	Price per pound ¹	Value of production	Quantity	Price per pound ¹	Value of production
	<i>1,000 pounds</i>	<i>dollars</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>	<i>dollars</i>	<i>1,000 dollars</i>
2017.....	36,250	2.040	73,950	4,520	0.870	3,932
2018.....	35,960	1.620	58,255	8,050	0.520	4,186
2019.....	37,630	2.150	80,905	7,960	0.440	3,502
2020.....	37,810	1.900	71,839	6,650	0.490	3,259
2021.....	32,930	2.190	72,117	8,230	0.700	5,761

¹ Marketing year average price.



Cranberry Acreage, Yield, Production, Price, and Value – New Jersey: 2017-2021

Year	Area harvested	Yield per acre ¹	Production		Price per barrel ²	Value of utilized production
			Total	Utilized		
	<i>acres</i>	<i>barrels</i>	<i>barrels</i>	<i>barrels</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	39.30	20,771
2021	2,900	203.0	589,000	588,420	39.60	23,283

¹ Yields prior to 2018 are based on utilized production.

² Marketing year average price.

Peach Acreage, Yield, Production, Price, and Value – New Jersey: 2017-2021

Year	Bearing acreage	Yield per acre ¹	Production		Price per ton ³	Value of utilized production
			Total	Utilized ²		
	<i>acres</i>	<i>tons</i>	<i>tons</i>	<i>tons</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	2,850.00	21,660
2021	3,600	3.80	13,700	13,690	2,610.00	35,731

¹ Yield is based on total production.

² Excludes mature fruit not harvested.

³ Marketing year average price.

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

Crop	Usual Planting Dates			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: 2018-2022

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
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>dollars</i>	<i>1,000 dol.</i>
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
2022.....	4.2	7.8	2.8	1.5	1.2	0.7	2.2	3.6	24.0	1,060	25,440

Cattle and Calves Inventory, Supply, and Disposition – New Jersey: 2017-2021

Year	Beginning inventory January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter ²	Deaths		Ending inventory following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
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
2021.....	25.0	8.0	3.9	7.8	4.2	0.2	0.3	0.4	24.0

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: 2017-2021

Year	Production ¹	Marketings ²	Value of Production	Cash Receipts ³	Value of Home Consumption	Gross Income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
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.....	6,198	9,866	6,664	10,324	1,069	11,393
2021.....	6,255	9,772	7,308	11,192	890	12,082

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: 2021-2022

County	All Cattle and Calves		Milk Cows	
	2021	2022	2021	2022
	<i>head</i>	<i>head</i>	<i>head</i>	<i>head</i>
Atlantic	(D)	(D)	(¹)	(¹)
Bergen.....	(¹)	(¹)	(¹)	(¹)
Burlington.....	1,100	1,100	(D)	(D)
Camden.....	(D)	(D)	(¹)	(¹)
Cape May.....	(D)	(D)	(¹)	(¹)
Cumberland	1,100	1,000	200	200
Essex.....	(D)	(D)	(¹)	(¹)
Gloucester.....	2,600	2,500	800	800
Hudson.....	(D)	(D)	(¹)	(¹)
Hunterdon	3,600	3,500	300	200
Mercer.....	700	700	300	300
Middlesex	(D)	(D)	(¹)	(¹)
Monmouth	400	400	(D)	(D)
Morris	500	500	(D)	(D)
Ocean.....	700	700	100	100
Passaic	(¹)	(¹)	(¹)	(¹)
Salem	5,300	5,000	1,100	1,100
Somerset	1,500	1,400	(D)	(D)
Sussex.....	3,600	3,400	800	700
Union.....	(D)	(D)	(¹)	(¹)
Warren	3,600	3,500	600	600
Other Counties	300	300	200	200
New Jersey.....	25,000	24,000	4,400	4,200

(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: 2020-2021 ¹

Month	2020			2021		
	Number Head	Average Live Weight	Total Live Weight	Number Head	Average Live Weight	Total Live Weight
	<i>1,000</i>	<i>pounds</i>	<i>1,000 pounds</i>	<i>1,000</i>	<i>pounds</i>	<i>1,000 pounds</i>
January.....	4.3	1,134	4,804	4.3	1,140	4,915
February.....	3.8	1,108	4,161	3.5	1,120	3,887
March.....	3.2	1,111	3,582	3.5	1,124	3,940
April.....	4.3	1,117	4,789	4.0	1,120	4,447
May.....	3.4	1,119	3,763	4.4	1,131	4,933
June.....	4.1	1,125	4,599	4.0	1,143	4,564
July.....	4.0	1,128	4,488	4.0	1,145	4,560
August.....	4.2	1,104	4,625	3.7	1,124	4,188
September	3.6	1,092	3,898	3.9	1,137	4,450
October.....	3.9	1,111	4,304	4.2	1,122	4,651
November	3.8	1,106	4,144	4.3	1,128	4,775
December.....	3.6	1,097	3,950	4.2	1,131	4,776
Total²	46.1	1,113	51,106	48.1	1,131	54,087

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: 2017-2021

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			
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>number</i>	<i>1,000 head</i>
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
2021.....	1.0	5.5	1.2	1.0	1.3	2.0	0.8	6.50	5.2

¹ Marketing year.

Hogs and Pigs Inventory, Supply, and Disposition – New Jersey: 2017-2021

Year	Beginning inventory Dec. 1 preceding	Pig crop	Inshipments	Marketings ¹	Farm slaughter ²	Deaths	Ending inventory Dec. 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
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
2021.....	7.5	5.2	6.0	11.8	-	0.4	6.5

- 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: 2017-2021

(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
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
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
2021.....	815	1,216	768	818	34	845

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: 2017-2021
(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
	<i>1,000</i>	<i>pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>dollars</i>	<i>1,000 dollars</i>
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	4.32	1,875
2021	15	35	525	158	3.27	1,717

¹ Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take 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: 2020-2021

Quarter	Milk cows ¹		Milk per cow ²		Milk production ²	
	2020	2021	2020	2021	2020	2021
	<i>1,000 head</i>	<i>1,000 head</i>	<i>pounds</i>	<i>pounds</i>	<i>million pounds</i>	<i>million pounds</i>
Jan - Mar.....	4.7	4.4	5,745	5,455	27.0	24.0
Apr - Jun.....	4.7	4.4	5,532	5,455	26.0	24.0
Jul - Sep.....	4.7	4.2	5,106	5,000	24.0	21.0
Oct - Dec	4.6	4.2	5,217	5,000	24.0	21.0
Annual Total	5.0	4.0	20,200	22,500	101.0	90.0

¹ Includes dry cows. Excludes heifers not yet fresh.

² Excludes milk sucked by calves.

Milk Production, Disposition, and Income – New Jersey: 2017-2021

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			
	<i>1,000 head</i>	<i>pounds</i>	<i>million pounds</i>	<i>million pounds</i>	<i>million pounds</i>	<i>million pounds</i>	<i>dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
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	20,200	101.0	2.5	0.5	98.0	17.20	16,942	17,372
2021.....	4.0	22,500	90.0	3.5	0.5	86.0	18.60	16,089	16,740

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: 2017-2021
(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
	<i>number</i>	<i>1,000 acres</i>	<i>acres</i>	<i>number</i>	<i>1,000 acres</i>	<i>acres</i>
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
2021	9,900	750	76	2,012,050	895,300	445

Number of Farms and Land in Farms, by Sales Class – New Jersey: 2017-2021

Economic Sales Class	2017	2018	2019	2020	2021
	<i>farms</i>	<i>farms</i>	<i>farms</i>	<i>farms</i>	<i>farms</i>
Number of Farms					
\$1,000 - \$9,999	6,400	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.....	9,900	9,900	9,900	9,900	9,900
	<i>acres</i>	<i>acres</i>	<i>acres</i>	<i>acres</i>	<i>acres</i>
Land in Farms					
\$1,000 - \$9,999	160,000	160,000	160,000	160,000	160,000
\$10,000 - \$99,999	160,000	170,000	170,000	170,000	170,000
\$100,000 - \$249,999	100,000	110,000	110,000	110,000	110,000
\$250,000 - \$499,999	80,000	80,000	80,000	80,000	80,000
\$500,000 and over	230,000	230,000	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	750,000	750,000	750,000	750,000







