**Rutgers Cooperative Extension (RCE) has served New Jersey residents since May, 1914. It has been a partnership of County, State, and Federal governments designed to bring the latest research based information to local residents. We have continually served the county in areas of agriculture, resource management, horticulture, nutrition, and 4-H Youth Development.**

**Joel Flagler**, Bergen County Agricultural Agent, provides training and continuing education for professionals in farming, landscape contracting, tree and turf maintenance, pesticide application, and public health. This continuing education is a requirement for all professionals who handle pesticides. It helps them stay up to date with new technology and keep their state licenses current. IPM (Integrated Pest Management) tactics work to minimize the amounts of pesticides applied in Bergen County.

**Agriculture is thriving** in Bergen County. It has diversified to meet changing consumer needs. Growers produce a wide variety of ornamental plants, vegetables, orchard fruits, organic, and ethnic specialties. Landscape and nursery industries continue to beautify our suburban surroundings with high quality trees, shrubs, turf grass, and flowers.

**Farmland Preservation**

The County Agricultural Development Board (CADB) has helped to preserve over 331 acres of farmland in Bergen County. That represents more than 42 percent of the 800 acres of our remaining farmland in the county. Bergen County is conducting a comprehensive study to identify farms to be protected in the future. Agent Flagler works with the CADB on Right-to-Farm as well as other issues involving agriculture.
The North Jersey Ornamental Horticulture Conference, now in its 58th year, annually trains over 700 professionals by providing the latest information and technology for solving problems and improving practices. Arborists, landscape contractors, turf managers, and golf course superintendents benefit from the training and updates presented by experts from Rutgers and the NJ Agricultural Experiment Station.

The 2018 Bergen County Fall Harvest Festival was a huge success with a great turnout and excellent weather. Van Saun County Park is a perfect setting for this event. From humble beginnings as the 4-H and Master Gardener Fair, it has grown, attracting thousands of visitors. Many farms participated, selling their seasonal fruits, vegetables, pumpkins, donuts and cider, honey, nursery plants and more. All of Bergen’s Freshest was featured. The Farm Market was expansive; it was both beautiful and delicious.

As always, the Bergen County Board of Agriculture helps plan, promote and deliver important agricultural events and Rutgers Cooperative Extension recognizes them for their huge support.

In June 2018, Agent Flagler offered a Worker’s Protection Standard (WPS) training for farms and nurseries. As required by the NJDEP, agricultural employers need to stay current on WPS mandates. This training was held at Rohsler’s Allendale Nursery with Rutgers’ Pat Hastings providing the training.

The Rutgers Horticultural Therapy and Training Programs offered in 2018 include a series of sessions for developmentally disabled youth at Garfield Middle School, as well as post-stroke seniors at the county centers in Ridgewood and Englewood.

Horticulture Therapy Programming for Veterans has become a major focus for Rutgers Cooperative Extension. Agent Flagler is a Registered Horticultural Therapist. Along with interns from Rutgers University, they have created six new grant-funded programs for Veterans at the VA Medical Centers in Lyons and East Orange.

Flagler is also involved in the new program at the Paramus Veterans Nursing Home. There, Veterans enjoy a therapy and learning garden with flowering trees, shrubs, and container plantings. The Rutgers Master Gardeners of Bergen County, headed up by Carolyn and Dennis Gretchen, coordinate the gardening and landscape projects, and deliver structured activity sessions for Veterans; to keep them in touch with Nature and help them to enjoy the many benefits of working with plants.

The Master Gardener Program, which started in Bergen County in 1984, is still actively training volunteers to work in our County Parks and provide unique services throughout the county. Agent Flagler has trained nearly 1,000 since he started in 1987. These skilled volunteers are recognized as some of the most important ambassadors for Rutgers and the NJ Agricultural Experiment Station.

New Projects for 2018 included a restoration project with native plantings at Pascack Brook County Park in Westwood, a collaborative effort of the Bergen County Environmental Council, the Bergen County Parks Department, the Soil Conservation District and Rutgers Cooperative Extension. Master Gardeners also participated in Earth Day events and Environmental Fairs in towns around the County.

The Master Gardener Helpline is busy answering calls and helping people improve their gardens and landscapes. The lines are staffed Monday-Thursday from 10 am-12 noon during the months of April through October (201-336-6783 or 6784).

By helping Bergen County residents make wise decisions about pest management and soil fertility, the Rutgers Master Gardeners have helped to bring about a significant reduction in the amounts of nitrogen & phosphorous fertilizers, and chemical pesticides being applied in Bergen County.

2018 AG Fast Facts
1,625 Calls to Garden Helpline
1,650 Plant/Insect specimens diagnosed
1,240 Licensed Pesticide Applicators trained & recertified
190 lbs. of produce donated
134 Soil samples tested
8,400 Extension Fact Sheets distributed
17 New Master Gardeners trained
8,750 Hours of volunteer service
(value of $247,800 to Bergen County)
The Expanded Food & Nutrition Education Program (EFNEP) is a federally funded program operated through Rutgers Cooperative Extension at Rutgers, the State University of New Jersey, New Jersey Agricultural Experiment Station (NJAES) that brings nutrition education to limited resource people in Bergen County. Since 1969 EFNEP has successfully addressed critical societal concerns by employing professional staff and influencing nutrition and physical activity behaviors of low-income families, particularly those with young children. Through a community-based, relationship-driven, hands-on educational approach, EFNEP has directly impacted economic, obesity, and food insecurity challenges that hinder the health and well-being of this nation.

In Bergen County, a total of 311 youth were reached through a series of 8-10 nutrition lessons and 212 adults were reached at special hands-on workshops on how to make nutritious food choices. EFNEP collaborated with 10 local agencies and organizations and 24 volunteers provided program assistance.

4-H in Bergen County…

4-H FAST FACTS FOR 2018

There are currently…
- 11 active clubs
- 50 adult volunteers
- 250 4-H members in Bergen County
- 400 youth reached through various programs
- 6 digital 4-H newsletters published
- 2 newspaper articles promoting 4-H
- 2 Facebook groups created to promote 4-H
- 1 Instagram account highlighting 4-H activities

The 4-H Youth Development Program is a free, inclusive, co-ed program for youth in grades K-13 (1 year post high school). 4-H uses a learn-by-doing approach to enable youth to develop the knowledge, attitudes, and skills they need to become competent, caring, and contributing citizens of the world. This is accomplished by using the knowledge and resources of Rutgers University in coordination with caring adult volunteers and the support of the Board of Chosen Freeholders.

4-H clubs are the backbone of the program and are led by appointed volunteers. Our clubs cover a variety of both traditional and modern project areas, including cooking, gardening, horse science, outdoor education, environmental science, engineering and robotics, leadership, teambuilding, and service learning. Through club work members experience four essential elements for positive youth development: Mastery of Skills, Belonging, Generosity, Independence.

In addition to 4-H clubs, the County 4-H office provides youth the opportunity to participate in various activities over the course of the 4-H year including skill-building and educational workshops, the Annual 4-H Awards Night, Winter and Fall Camp week-ends, public speaking workshops, and our most important skill-building event, Annual 4-H Public Presentations. Teen 4-H members also attended the North Jersey Teen Conference, a week-end long event that builds leadership skills. Older youth are eligible to participate in State and National 4-H events.

In 2018 the Bergen County 4-H Junior Council, youth in grades 6-8 grades, and our Teen Council, youth in grades 9-13, focused on building leadership and teambuilding skills through workshops, activities, and service projects, many of which they propose and coordinate themselves.

4-H Clubs Give Back to Their Communities…

All of our 4-H clubs participate in community service opportunities throughout the year. Some of our projects for the 2018 year included…

- Monthly Pet Therapy visits to nursing homes
- Cards for residents at Paramus Veterans Home
- Book Drive for local libraries
- Food drives for community food banks
- Two community gardens maintained
- A seed library maintained at Garfield Public Library
- STEM projects displayed and demonstrated at various events in Bergen County
- Set-up Garfield VFW for traveling Vietnam Vets Moving Wall
- Spring Garden Clean-Up at Paramus Veteran’s Home
- Loaded Beach Bags donated to the Center for Hope and Safety for Mother’s Day

Each year 4-H partners with Master Gardeners of Bergen County to help facilitate the Bergen County 4-H and Master Gardener Fall Harvest Festival. The fair is a showcase of our 4-H members’ many accomplishments, as well as highlighting all that our clubs and Master Gardeners have to offer county residents. The 2018 event took place September 23rd and 24th at Van Saun County Park. Over 5,000 County residents enjoyed two FREE, fun-filled days of hands-on exhibits, games, science, entertainment, interactive displays, farm vendors, and arts and crafts.
Rutgers Cooperative Extension

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We gratefully acknowledge the support of the
Bergen County Executive
James J. Tedesco, III
Board of Chosen Freeholders
Department of Parks & Recreation

RUTGERS COOPERATIVE EXTENSION
COMMUNITY PARTNERSHIPS

RCE of Bergen County is a valuable partner to other county agencies and organizations in developing, implementing, and evaluating programs that address the needs and issues of County residents. Key partners include:

- Bergen County Agriculture Development Board
- Bergen County Board of Agriculture
- Bergen County Department of Health
- Bergen County Department of Human Services
- Bergen County Department of Parks
- Bergen County Office of Disability Services
- Bergen County/Open Space Trust Fund Advisory
- Bergen Family Center
- Bergen Regional Medical Center
- Center for Food Action
- Department of Health and Human Services
- Department of Senior Services
- Englewood Recreation Department
- Garfield Health Department
- Garfield Middle School
- Garfield Housing Authority
- N.J. Landscape Contractors Association
- One Stop Career Center
- Paramus Veterans Home
- Skylands, NJ State Botanical Garden
- Soil Conservation District
- Team Management 2000

Rutgers Master Gardener Help Line
201-336-6784 or 201-336-6783

Web Sites
bergen.njaes.rutgers.edu - Main site
bergen.njaes.rutgers.edu/4h - 4-H site
mgofbc.org - Master Gardeners site

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Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Dept of Agriculture, and County Boards of Chosen Freeholders. Rutgers Cooperative Extension, a unit of the Rutgers New Jersey Agricultural Experiment Station, is an equal opportunity program provider and employer.