NEW YORK STATE OF OPPORTUNITY.

Agriculture and Markets

2018 Annual Report

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Overview

The New York State Department of Agriculture and Markets promotes New York agriculture and its high-quality and diverse products, fosters agricultural environmental stewardship, and safeguards the State's food supply, plant industry, land, and livestock to ensure the viability and growth of New York's agricultural industries.

Approximately 20% of New York's land area, or nearly 7 million acres, is farmland. There are nearly 33,500 family farms producing some of the world's best food, helping to drive the economy. New York is a major agricultural state, ranking in the top ten in production of 30 commodities. It is the second-largest producer of apples, snap beans, and maple syrup. It ranks third in cabbage, grapes, and dairy, which is the largest segment of the State's agricultural sector.

Section 164 of the Executive Law directs the Department to annually submit a report of its activities to the Governor and Legislature. This 2018 Annual Report outlines Department actions through its central administration and programmatic divisions, including the divisions of agricultural development, animal industry, food laboratory, food safety and inspection, land and water, milk control and dairy services, plant industry, weights and measures, and the New York State Fair.

Administration

Staffing

The Department's permanent administrative staff of 60 full-time employees perform the fiscal management, human resources, legal services, special projects, and executive management functions for the agency. All agency administration staff are located in the Albany headquarters.

Counsel's Office

Counsel's Office provides legal advice and representation to Department officers in connection with the exercise of their powers and duties under New York and applicable federal law. Specifically, the Division:

- Advises on issues arising under State and federal law and responds to requests of governmental entities for interpretation of the Agriculture and Markets Law (AML);
- Develops and coordinates the Department's legislative program, including the drafting of proposals and support memoranda, negotiation of bill language, and the research and analysis of bills relevant to the Department's work;
- Develops regulations and represents the Department in rulemaking proceedings;
- Represents the Department in administrative, judicial and other proceedings, both seeking to enforce the AML and responding to challenges to the Department's actions;
- Administers and collects civil penalties;
- Provides advice regarding procurement issues and best contracting practices;
- Prepares, reviews, and negotiates contracts, grants, and memoranda of understanding;
- Provides legal support services to the State Soil and Water Conservation Committee;
- Represents the interests of agricultural resources and farmers in proceedings before the Public Service Commission;
- Conducts investigations concerning, among other things, possible violations of the Agriculture and Markets Law, Department personnel matters and ethics issues;
- Performs risk analyses; and
- Responds to requests for Department records in conformance with the Public Officers Law.

In 2018, the Division completed the following:

Litigation and Contested Matters	444	Regulations	16
Adjudicatory Proceedings	90	Ethics Law Reviews	157
Contracts	848	FOIL Requests	317
Opinions	101	Miscellaneous	6
Legislation	6		

Fiscal Management

The Division of Fiscal Management provides financial and office services to support the programs and employees of the Department. The Division ensures that State and other resources allocated to the Department are used effectively and in accordance with applicable laws and regulations. Fiscal Management administers all agency budget development, coordination and execution activities, and all fiscal and business management services.

Specifically, the Division:

- Prepares the annual agency budget request;
- Assigns appropriated funds and prepares fiscal plans;
- Performs revenue accounting, fiscal monitoring, and budget execution;
- Reviews and processes contracts, purchases, and travel vouchers;
- Manages all agency spending and reporting requirements for the Minority and Women Owned Business Enterprises program and the Service-Disabled Veterans Business Development program;
- Acts as a liaison with the Business Services Center regarding the agency payroll;
- Performs office services such as fleet management, space and telecom planning;
- Completes federal grant applications, billings, and indirect cost proposals; and
- Manages inventory systems and procedures to safeguard physical assets.

In 2018, the Division completed the following:

Contracts Processed	835	Travel Approvals	3,041
Vouchers Processed	10,323	Size of Vehicle Fleet	163
MWBE Vendor Spending	38%		

Human Resources

The Division of Human Resources Management facilitates the Department's core mission by ensuring that the workforce is competent and productive. This is accomplished through the administration of Civil Service Law, rules and regulations, negotiated agreements, and other State and federal laws.

Major responsibilities include recruitment, position classification, exam development, labor relations, training, and health and safety. Specifically, the Division:

- Manages agency recruitment and terminations;
- Classifies jobs to ensure equitable salary distribution based on position requirements;
- Administers disciplinary processes and procedures;
- Develops examinations with the Department of Civil Service;
- Develops succession plans to ensure agency goals are continually met;
- Administers the Performance Evaluation Program;
- Presents or arranges for employee training;
- Administers compliance with the Americans with Disabilities Act, processes Reasonable Accommodation requests, researches Family Medical Leave Act issues, advises staff on Paid Family Leave Act eligibility, and manages the Ethics Law reporting system;
- Administers State and Department attendance and leave policies; and
- Is the liaison with the Business Services Center regarding health benefits, retirement, payroll and administration of time and attendance.

In 2018, the Division completed the following:

New Hires/Appointments (Perm)	78	Reasonable Accommodations	12
Separations (Perm)	48	Training Referrals	21
Exam Development	19	Staff Trained – Mandatory issues	All
Temp Separations	79	Temp Hires	58
Classification Actions	57		

Agricultural Development

Staffing

The Division has a permanent staff of 24. Five are based in Brooklyn, one in Rochester, and the rest in Albany.

Licenses

Farm Products Dealer
The Division manages one license: Farm Products Dealers. These are businesses who annually buy or receive, to resell, at least $20,000 worth of farm products from New York producers. In 2018, the Division licensed 359 farm products dealers.

Licensed dealers are required to file security in the form of a bond or letter of credit with the Department. In the event of bankruptcy by a farm products dealer, or failure to provide timely payment, affected farms may file a claim with the Department to recover these funds. After review, eligible claims are paid from the bond or letter of credit provided by the Farm Products Dealer.

If claims exceed an individual dealer's security, additional financial coverage is provided by the Agricultural Producers Security Fund, funded by fees paid by the Farm Products Dealers. The size of the Agricultural Producers Security Fund was over $2.79 million at the end of FY 2018-19, $140,000 higher than the year prior.

Programs

Taste NY
With an increasing presence at attractions across the State in the form of markets, cafés, bars, and concessions, Taste NY vendors saw gross revenues of more than $17.8 million in 2018, up from $16 million in 2017. Taste NY products are now available in over 70 locations, including featured presentations at 11 regional Welcome Centers:

- Adirondacks Welcome Center, Warren County
- Capital Region Welcome Center, Greene County
- Central New York Welcome Center, Onondaga County
- Finger Lakes Welcome Center, Ontario County
- Hudson Valley/Catskills Welcome Center, Orange County
- Long Island Welcome Center, Suffolk County
- Mohawk Valley Welcome Center, Montgomery County
- New York City Welcome Center, New York County
- North Country Welcome Center, Jefferson County
- Southern Tier Welcome Center, Broome County
- Western New York Welcome Center, Erie County

Notable accomplishments in 2018 include holding five Food and Farms Business Expos statewide linking food, beverage, and farm businesses with local buyers; establishing a Taste NY presence in four upstate airports; and opening six new Welcome Centers around the state:

- The Finger Lakes Welcome Center celebrated its grand opening on May 30. Located on the shore of Seneca Lake in the City of Geneva, Ontario County, the Welcome Center promotes local attractions as well as regional food and beverage products, such as Finger Lakes' award-winning wines.
- The Western New York Welcome Center in Grand Island was opened on August 28. Located in the Town of Grand Island, between the cities of Buffalo and Niagara Falls, 23.7 million motorists travel past this location each year.
- The Adirondacks Welcome Center in Queensbury, Warren County, opened September 20. Inside the Welcome Center, food and beverages sourced from the region are showcased in nine state-of-the-art vending machines.
- The grand opening of the Hudson Valley/Catskills Welcome Center, located at the Woodbury Common Premium Outlets in Central Valley, Orange County, was announced on November 14. The Welcome Center serves as an entrance to the Hudson Valley and Catskills vacation regions.
- The Capital Region Welcome Center opened to the public on November 13 in New Baltimore, Greene County.
- The North Country Welcome Center near the Thousand Islands Bridge in Collins Landing, Jefferson County, opened November 20. It features a seasonal Taste NY Market, showcasing locally grown and sourced products from across the North Country.

New York State Grown & Certified

Governor Cuomo announced the creation of New York State Grown & Certified in his 2016 State of the State address. The program markets New York's farmers who are already producing some of the world's best products and helps consumers easily identify foods that are produced to higher food safety and environmental standards. Accomplishments include enrollment in the program of a total of 2,420 farms representing over 533,000 acres of farmland, and the announcement of new commodities including craft beverages, processed products, aquaculture, and wild-caught fish. The program includes 22 dairy processors processing milk from over 2,142 dairy farms. In addition:

- 13 large retailers and distributors participate in the program at over 680 retail locations.
- A major consumer-focused advertisement campaign was launched, including a prime-time television commercial that aired in the Capital Region and a digital campaign in the Hudson Valley. This marketing campaign garnered over 6.4 million video views and reached 76% of households in the designated market area.
- The New York State Agricultural Producers Food Safety Grant Program was established with $4 million in funding and is administered by eight regional nonprofits. Grant funds help producers complete projects that improve food safety on their farms and fulfill the food safety requirements of the New York State Grown & Certified program. Twenty-three projects totaling $848,000 were funded in 2018.
- The New York State Grown & Certified Marketing Grant Program helped growers market and promote their New York State Grown & Certified products. Forty producers and eight retailers/distributers were awarded a total of $171,634.

Risk Management Agency (RMA) Crop Insurance Education

New York was awarded funding for the RMA program in 2018-19. Cornell University continued to provide crop insurance education opportunities to give producers complete information to make informed decisions whether to utilize available crop insurance and risk management tools. The Division provided program support to Cornell University by staffing major trade shows and responding to inquiries.

Farm Product Marketing Order Program
The Department's Farm Product Marketing Order Program funded 19 research projects using over $540,000 from assessments collected from New York State apple, onion and cabbage growers. In addition to research, the Marketing Order Program funded $2.3 million for the promotion and marketing of apples as well as $19,025 for New York tart cherry marketing. Services for the Apple and Sour Cherry Marketing Order programs were provided by the New York Apple Association, through contracts administered by the Department.

Farm-to-School Coordinating Committee
The Farm-to-School Coordinating Committee met twice in 2018 to discuss issues related to farm-to-school programs. The Farm-to-School Coordinating Committee brings together stakeholders from across the State to share best practices to advance partnerships with local producers and to increase the use of local foods in schools.

FreshConnect Check Program
The Fresh Connect Check (FCC) Program provides incentive checks for the purchase of eligible foods at any operating farmers' market or farm stand in New York. For every $5 in SNAP EBT benefits a customer exchanges for SNAP EBT tokens, the market manager may issue a $2 FCC. Veterans, servicemembers, and their immediate family members may receive FCCs through the Division of Veterans' Services on a first-come, first-serve basis, while supplies are available. Checks may be spent on any SNAP-eligible food item. In 2018, checks were issued at 128 farmers' markets, farm stands, and mobile markets, amounting to almost $500,000 in revenue for over 600 direct marketing vendors and farm stand operators.

Wood Products Development Council
Established by statute in 2008, the Wood Products Development Council is tasked with supporting the practice of forestry and the manufacture of wood products. The Council works to improve public understanding and appreciation of New York's forests and forest products, and to direct attention and funding to programs and ventures that sustain existing forest product markets and promote the development of new markets. Funding was provided as part of the FY 2018-19 budget in the amount of $100,000 to support operations.

Forestry and Wood Products Summit
In cooperation with the Department of Environmental Conservation, the first-ever Forestry and Wood Products Summit was held on October 25, 2018 in Binghamton. More than 100 forest industry stakeholders including loggers, forest landowners, wood product manufacturers, state environmental conservation, agriculture, and economic development agencies, and associations representing forest landowners and industries attended the event. Initiatives announced to boost the industry included funding to support the growth of the maple industry, increased promotion and marketing efforts, and expanded research. Discussions during the summit focused on opportunities to expand clean technology and invest in research and development, the importance of growing markets, workforce development and training needs, and continued education and promotion to bolster the industry.

Concord Grape Summit
The Governor convened a Concord Grape Industry Summit on April 12, 2018 at the Grape Discovery Center in Westfield, Chautauqua County. Farmers, researchers and industry leaders met with state and local officials to discuss industry growth challenges and explore new opportunities for growth. During the summit, several initiatives were announced to help strengthen the industry, including expanding research, investing in new product and new market

development, and expanding marketing and promotional programs. Grant programs resulting from the summit are investing over $1.5 million in the Concord grape industry.

New York State Council on Hunger and Food Policy
The Commissioner chairs the State's Council on Hunger and Food Policy. Launched by the Governor in 2016 to address food insecurity statewide, this Council advises the State on programs and policies and it facilitates interagency coordination to address food insecurity. In 2018, the Council assisted with the following outcomes:

- Shaped the establishment of 'Healthy Eating and Food Security' as a new focus area within the updated New York State Prevention Agenda, in cooperation with the New York State Department of Health.
- Conducted two in-person meetings, both upstate and downstate, in coordination with the New York State Office for New Americans, Department of Health, Office of Temporary and Disability Assistance (OTDA), and the State Education Department to share updates with attorneys representing immigrant families on nutrition assistance programs.
- Organized two meetings to catalyze interagency coordination and to solicit new partnerships for new child food insecurity efforts within the Governor's No Student Goes Hungry Initiative.
- With the assistance of OTDA and Hunger Solutions New York, SUNY instituted a survey on food insecurity and nutrition assistance.
- Facilitated a meeting between Banco de Alimento de Puerto Rico, Puerto Rico's only food bank, and three food banks in New York State to help plan the expansion of Banco de Alimento's operations. During this meeting, food banks in New York State shared best practices on building lay-out, inventory management systems, and emergency planning, and agreed to connect Banco de Alimento with new resources to help the food bank expand.

Federal Activity

Specialty Crop Block Grant Program
The Department operated 29 projects using over $3.68 million in federal funds from the USDA Specialty Crop Block Grant Program. Projects improve the profitability and competitiveness of New York's specialty crop industries. Roughly half the funding supported scientific research focusing on improving pest management across multiple crops, improving the storage of apples, and diversifying marine aquaculture. The remainder of the funds supported marketing projects to promote New York crops and assisted growers in attaining their farm food safety certification.

Federal State Marketing Improvement Grant
The Department, in partnership with Cornell University, received a competitive Federal State Marketing Improvement Grant to support the Concord grape industry. The $455,000 project will create new products using Concord grapes to send to market and conduct economic market research to better understand supply chain issues, emerging market opportunities, and consumer preferences.

USDA Specialty Crop Multi-State Program
The Department continued to administer an award of $684,000 from the USDA Specialty Crop Multi-State Program. This program combines the efforts of staff at Cornell University and Virginia Tech to develop control strategies for foodborne illness in specialty crop processing facilities.

Food Export USA – Northeast

The Department is a member of Food Export USA-Northeast, a non-profit organization that promotes the export of food and agricultural products from the Northeast region of the United States. Nearly 450 New York State food suppliers used the Market Access Program (MAP) funding through Food Export USA-Northeast to help offset the cost of exhibiting at some of the larger international tradeshows in 2018. Total export sales exceeded $54 million. New York State suppliers also took advantage of several Food Export USA-Northeast's trade missions, traveling to markets in the United Kingdom, Kuwait, United Arab Emirates, Japan, South Korea, Australia, Mexico, Canada, China, Brazil, Poland, Ireland, and South Asia.

Farmers' Market Nutrition Program
In 2018, Farmers' Market Nutrition Program (FMNP) benefits were distributed to 332,955 families through the Special Supplemental Nutrition Program for Women, Infants and Children (WIC). Additional benefits were distributed to 132,148 low-income seniors for the purchase of locally grown fresh fruits and vegetables. Over 900 farmers participate in FMNP at over 400 farmers' markets, 300 farm stands, and 10 mobile market trucks that stop at over 200 unique locations. The program generated over $5 million in direct sales to participating farms.

Supplemental Nutrition Assistance Program
The Supplemental Nutrition Assistance Program (SNAP) is the core feeding program for low-income, at-risk populations in the U.S. SNAP participants shop using an Electronic Benefit Transfer (EBT) card. The New York State Wireless EBT Program, administered in partnership with the Farmers Market Federation of New York, has successfully promoted the use of SNAP at farmers' markets and farm stands across New York State through technical assistance, training, and cost-sharing activities. In 2018, SNAP sales at over 200 direct marketing venues (farmers' markets, farm stands, green carts, community supported agriculture programs, and mobile markets) amounted to nearly $3 million.

Aid-to-Localities

Local and County Fairs
The Department awarded a third round of $5 million in funding to county and youth fairs across the State through the Agricultural Fairgrounds Infrastructure Improvement Program. Projects will improve permanent or temporary facilities used to house or promote agriculture on their fairgrounds. Each of 52 local fairs are awarded $96,153, building on the $10 million allocated in 2016 and 2017.

Farm-to-School Grant Program
The Farm-to-School Grant Program awarded a total of $1.5 million to 18 recipients to increase the volume and variety of locally produced farm products purchased for school meal programs. 220,000 students in 120 school districts will benefit from this round of funding. The Farm-to-School Grant Program was created to connect schools with local farms and food producers to strengthen local agriculture, improve student health, and promote regional food systems awareness.

Vital Brooklyn
The Department achieved major milestones in this Governor's initiative in 2018, supporting access to fresh, healthy, local food in central Brooklyn:

- In partnership with the United Federation of Teachers, the first five of 12 youth-led farm stands were launched at Community Learning Schools. These sites offer fresh food boxes available for sale and pick-up directly on site at schools, making it a convenient and

affordable way for families and neighbors to purchase fresh, local foods. The remaining school sites will come online throughout 2019.

- The first Mobile Markets Grant Program awarded funding to five entities. A total of $500,000 will support mobile emergency food distribution programs and mobile farm stands. The program will increase access to fresh food for an estimated 250,000 central Brooklyn residents.
- A partnership with SUNY Downstate was announced in 2018 to launch a food insecurity screening program that will screen senior patients for food insecurity, offer national education and dietary consultation to seniors at high-risk of food insecurity, and provide them with resources to find, afford, and prepare healthy foods from local farmers' markets.
- The Brooklyn Food Hub Feasibility Study was also initiated to explore opportunities and cost projections for a transformative food hub to support food access and the overall socio-economic health of Central Brooklyn residents. Working with Bedford Stuyvesant Restoration, the Department hosted three public stakeholder engagement meetings to solicit input from over 100 community members and facilitated two focus group meetings with entities working along the food supply chain in Central Brooklyn. The final recommendations of this study will be available in 2019.

Rural Development

In 2018, the Department built on its 2017 interagency Rural Development Task Force and launched a one-stop shop for New Yorkers seeking information to support rural communities. This web-based resource guide, available at www.agriculture.ny.gov/rural, includes information on federal, state, and local programs focused on rural development across a range of issues, including economic development, health and human services, education and workforce development, and more.

Community Gardens and Urban Farms

The Department, through funding and technical assistance, supports the viability of community gardens and urban farms statewide. The Community Gardens Grant Program provided $500,000 to 22 entities to support capacity building and infrastructure at community growing sites. The Department continues to investigate ownership of vacant properties to build new gardens. In 2018, the Department worked with New York State Department of Transportation to help an organization in Rochester secure a plot. The Department maintains a webpage for community growers that includes a statewide map of community garden locations and resources to support garden development.

New York Logger Training Program

The Department provided $150,000 in support of the New York Logger Training, Inc., program, which will assist loggers and the forest products industry to remain compliant, competitive, and safe through focused training and business assistance. The comprehensive program focuses on careful risk selection, cost containment, effective claim management, and vigilance in loss prevention to reduce the frequency and severity of injuries.

New York Farm Viability Institute

The Department oversaw 95 projects under State-funded, multi-year contract with the New York Farm Viability Institute (NYFVI). The NYFVI program was funded at $1 million annually. NYFVI is an independent, nonprofit organization led by volunteer farmers that is funded primarily by New York State. By implementing various agricultural research and education programs, NYFVI helps New York's farmers become more profitable and to improve the long-term economic viability and sustainability of New York farms, the food system, and the communities they serve.

Animal Industry

Staffing

The Division of Animal Industry (DAI) has a permanent staff of 37 employees, including field and central office veterinarians, animal health inspectors, a director and support staff.

Licenses and Inspections

There are 258 licensed pet dealers in New York, which is a slight increase from the last reported total of 231. The Division performed 365 pet dealer inspections in 2018 and investigated 60 consumer complaints.

In 2017, the pet dealer law was amended to clarify the definition of exempted entities. Previously, not-for-profit dog and cat rescue organizations were unregulated. There are an estimated 300 to 500 rescue organizations in New York. As of November 2018, all rescues must register with the Department of Agriculture and Markets. As of December 2018, 163 registered, 28 are closing, and two have filed as Pet Dealers.

2018 Avian Influenza (AI) Surveillance
New York has 86 live bird markets (LBMs): one in Schenectady, one in Buffalo, and 84 in or near New York City.

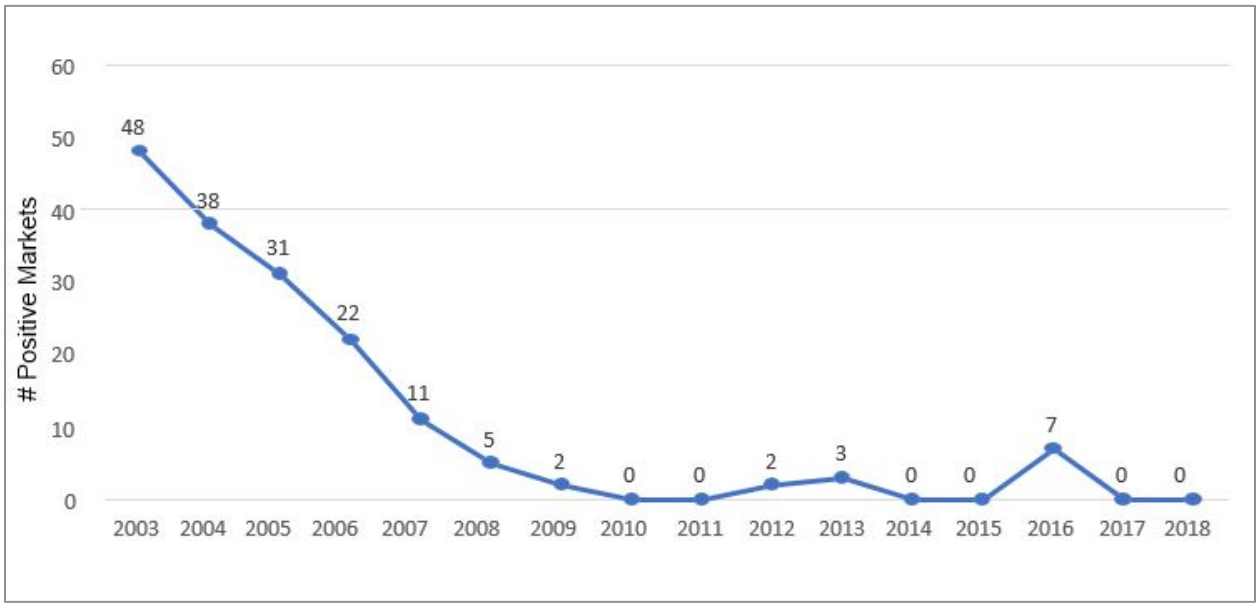
General Overview of NY LBMs Surveillance, January 1, 2018 – December 31, 2018

2018 Surveillance	Live Bird Markets	Dealers	Total
Number of inspections – LBMs, poultry dealers	699	44	743
Number of birds tested	27,350	1,044	28,394
Number of environmental samples tested	6,720	120	6,840
Number of RRT-PCR tests (poultry samples) Number positive tests (H5/H7)	3,728 0	109 0	3,837 0
Number of virus isolation tests (environmental) Number positive tests (H5/H7)	1,344 0	26 0	1,370 0

AI testing in other poultry sectors (non-LBM):
AI testing was also performed in eight commercial egg-layer flocks, 41 backyard and exhibition flocks, two raised-for-release upland game bird flocks, and five egg-type multiplier flocks. Live bird markets and poultry dealers are inspected and tested at least once per quarter. During each inspection, poultry health is evaluated and records are reviewed for compliance with New York State regulations. Records that may be examined at inspection include poultry inspection certificates, invoices/receipts, and cleaning-and-disinfection log books.

Poultry dealer facilities are inspected once per month and cleaned and disinfected at least three times per year. Distributor vehicles are inspected if their trucks are curbside at markets when inspections are occurring. All routine inspections are unannounced except for cleaning and disinfection (C&D) inspections.

Number of Markets Positive for Avian Influenza (H5/H7) By Year



Domestic Animal Health Permits (DAHPs) and Livestock Markets
Domestic Animal Health Permits (DAHP) are issued to livestock and poultry dealers. Department laws and regulations require dealers to properly identify animals and record the details of all transactions to allow for tracing to the point of origin and disposition. DAI veterinarians and animal health inspectors conducted 437 DAHP inspections on 322 DAHP holders during 2018.

Field staff also inspect livestock markets to determine compliance with Department laws and regulations. In general, market inspections are performed quarterly and consist of a facility inspection, evaluation of cleaning and disinfection procedures and an inspection of animal identification and recordkeeping practices. DAI field veterinarians and animal health inspectors performed 148 livestock market inspections on 33 markets.

NYS Cattle Health Assurance Program (NYSCHAP)
NYSCHAP is an integrated disease prevention program whose purpose is to increase herd health, productivity, and profitability while boosting food safety, public health, and consumer confidence in dairy and beef products. As of December 2018, there were 680 active farms in NYSCHAP: 565 dairy farms, 79 beef herds, 26 sheep and goat farms, and four other farms.

NYSCHAP covers 625,000 dairy cows (36% of all dairy cows in NY) and 4,490 dairy herds (13% of dairy farms). Approximately 40% of the 14.9 pounds of milk produced in NY annually is from NYSCHAP farms. In 2018:

- There were 62 new enrollments (27 dairy, 14 beef, and 21 sheep and goat herds).
- 415 NYSCHAP visits occurred in 2018.
- 12 outreach activities promoted NYSCHAP, including presentation and articles published on herd health, biosecurity, disease identification, prevention and control, animal care and food safety, and drug residue avoidance.
- Approximately 40% of milk produced in New York is from NYSCHAP farms (14.882 billion pounds of milk were produced in New York in 2018).

In 2018, DAI performed the following:

- 104 livestock market inspections in 35 markets,
- 375 municipal shelter inspections,
- 650 dog control officer inspections,
- 437 domestic animal health permit inspections, and
- 8 foreign animal disease investigations.

Federal/Interstate Activity

DAI was awarded $701,934 for animal health programs, drug residue prevention, and animal disease traceability efforts.

Interstate movement of livestock

Staff examine Certificates of Veterinary Inspection (CVIs) for animals imported and exported in and out of the state. In 2018, 42,419 livestock were imported and 95,901 were exported. This was an eight-fold increase in the number of exports compared to 2017.

Aid-to-Localities/Outreach

The Department administers an FDA contract for judicious antibiotic use and drug residue avoidance initiatives. DAI completed the following deliverables under this contract in 2018:

- Continuing education meetings for veterinarians were held around the State, presenting information on the new Veterinary Feed Directive, drug usage, and drug residue avoidance.
- Farmer meetings/webinars continue to be held around the State covering topics such as the new Veterinary Feed Directive, judicious antibiotic drug usage, drug residue avoidance, and promoting the NYSCHAP program.

Other outreach included:

- DAI has been working with the NYS Veterinary Diagnostic Laboratory to provide educational meetings to both farmers and veterinarians to help them combat *Salmonella Dublin*, a bacteria that can severely affect calves and has public health significance due to its antibiotic-resistance profile. Four meetings were held in 2018 in different regions of the state.
- Division field staff gave presentations on animal husbandry and handling animal neglect cases at a meeting sponsored by the Chenango County Farm Bureau. The meeting was a joint effort among DAI, ASPCA, and Farm Bureau. It won Chenango County Farm Bureau an award at the 2018 National Farm Bureau Convention.
- In accordance with recent amendments to NYS Executive Law, Section 840, DAI began developing modules for the education of law enforcement and district attorneys on standards of care for livestock. In 2018, the first completed module, Winter Husbandry of Livestock, was endorsed by the Division of Criminal Justice and reviewed by the ASPCA. The presentation has been successfully presented to several counties throughout the State.

Food Laboratory

Staffing

In 2018, the Food Laboratory had 33 permanent staff. Senior staff at the Food Laboratory have degrees in the natural sciences with majors in biology, chemistry, environmental, microbiology, or other related fields. Additionally, temporary staff scientists work under the supervision and direction of Food Laboratory personnel.

Licenses and Accreditations

The Food Laboratory holds the ISO/IEC 17025:2005 accreditation and additional criteria established by the AOAC-I ALACC. In 2018, the Food Laboratory performed testing on 57 chemistry proficiency samples (520 analyses), 27 microbiological proficiency samples (31 analyses with 97% acceptable results), and three Pesticide Data Program (PDP) proficiency rounds (37 compounds reported with 100% acceptable results). Participation in proficiency testing programs is necessary to maintain the laboratory's ISO accreditation status through the American Association for Laboratory Accreditation.

Analytical Tests and Outcomes

In 2018, the Food Laboratory received 19,858 samples and performed approximately 442,026 analytical tests on various food, feed, industrial hemp, and fertilizer products to determine compliance with regulatory standards, adulteration with inferior or substitute ingredients, undeclared or non-permitted preservatives, heavy metals, color additives, contamination with filth, spoilage, tetrahydrocannabinol (THC), and foodborne pathogenic bacteria. Approximately 94% were found to be properly labeled and/or free of contamination or adulteration. A total of 205 recalls were triggered by laboratory test results.

In accordance with the laboratory's USDA cooperative agreement under the PDP, the laboratory received 1,847 samples, which resulted in the analysis of 387,870 analytes to detect for pesticide residues. From those,195 violations for pesticide residue were detected by the Food Laboratory. This nationwide program is in its 28th year and has 10 participating states, including New York. In 2018, four New York samples were tested for pesticides as consumer complaints and none were found violative.

The Food Laboratory also performed analytical testing on samples received from various external sources. These included samples involved in foodborne illness investigations requested by the NYS Department of Health and the U.S. Food and Drug Administration, as well as from neighboring states (Vermont and Massachusetts) unable to perform specific analyses. The laboratory analyzed 25 food samples for the Massachusetts Department of Health related to *Campylobacter spp* outbreak investigations.

In accordance with the National Conference of Interstate Milk Shipments (NCIMS) Split Sample Program, the Food Laboratory prepared 105 proficiency samples for the dairy laboratories certified by the Department's Division of Milk Control and Dairy Services. In addition, seven states contracted with the Food Laboratory to have 48 proficiency samples prepared and shipped to certified dairy laboratories within their respective states. Additionally, the laboratory also provided 139 sets of antibiotic residue samples to the same laboratories.

Source of Sample	Number of Samples Received	Number of Samples Reported	Number of Tests
Total	**19,858**	**19,428**	**442,026**
PDP program	1,918	1,847	387,870
Food Safety Inspection staff	2,561	2,301	54,156[ab]
MCDS staff	14,849	14,676	
Plant Industry staff	330	378[a]	
Other[c]	200	226[a]	

[an] Includes results from samples collected at end of 2017.

[b] Number represents number of testing for division of FSI, MCDS, PI and Others.

[c] Others: other New York State departments, State/Federal agencies or proficiency testing providers

	Number of Samples Received (excluding PDP and Liquor authority)	Number of Tests Performed (excluding PDP and Liquor Authority) [a]	Number of Violations
Total	**17,847**	**54,092**	**1,198**
Microbiology[b]	13,412	27,171	494
Chemistry[c]	4,567	26,921	569

[an] Includes results from samples collected at end of 2017.

[b] Microbiology testing includes: total aerobic plate counts, total coliforms, *Escherichia coli*, *E. coli* O157:H7 and other enterohemorrhagic *E. coli*, *Salmonella enterica*, *Listeria monocytogenes*, *Campylobacter coli*, *C. jejuni* and *C. lari*, *Shigella* spp. *Staphylococcus aureus*, enterotoxin, yeasts, molds, presence of antimicrobials in dairy products and verification of pasteurization. [c] Chemistry testing includes: standards of identity and nutritional labeling, adulteration, the presence of undeclared and potentially harmful allergens, preservatives and artificial colors, specific chemical hazards such as heavy metals, aflatoxins, antibiotic residues, and the identification of impurities and foreign material.

	Number of Samples Tested for Division of Plant Industry	Number of Violations
Total	**378**	**82**
Fertilizer	154	75
Lime	13	6
Industrial hemp (THC only)	211	1

*THC testing only

Aid-to-Localities/Outreach

In 2018, the Food Laboratory, through the Rapid Response Team and Food Emergency Response Network, played an integral role in investigating several local and multi-state outbreaks of foodborne disease, including *L. monocytogenes*, in coordination with local and state health offices.

Additional outreach activities included:

- The Food Laboratory hosted two Laboratory Evaluation Officers from Massachusetts. They are rebuilding Massachusetts' Dairy Testing program and reached out for assistance.
- Brazilian analysts visited the laboratory to learn about techniques and methodology used in milk testing. They also gathered feedback from staff about commercial testing kits used in the laboratory.

- Additionally, a high school student spent two hours a week in the laboratory via their STEAM (Science, Technology, Engineering, Arts and Math) program. The Food Laboratory continues supporting students in pursuit of their educational goals.

Federal/Interstate Activity

The Food Laboratory managed cooperative agreements with the USDA Agricultural Marketing Service to support the PDP and with the FDA to maintain the laboratory's ISO accreditation and whole genome sequencing program.

The Food Laboratory staff participated in three National Partnership for Food Protection workgroups and helped implement significant components of the Food Safety Modernization Act.

In December 2018, the Food Laboratory hosted the GOOD Test Portions Laboratory Sampling Workshop based on the publication, "GOOD Test Portions: Guidance on Obtaining Defensible Test Portions." Attendees were from NYS Department of Health's Wadsworth Center, Canadian Grain Commission, Massachusetts State Public Health Laboratory, Vermont State Public Health Laboratory, and Tennessee Department of Agriculture.

To improve collaboration and integration of sample collection and the analysis of data between state and federal governments, the Food Laboratory was selected to spearhead the Mutual Reliance Pilot. The goal of the pilot is to establish a process for data acceptance by the FDA. In 2018, two products from China with excessive levels of sulfites (white raisins and bamboo shoots) were included in the import alert after FDA accepted the sample and laboratory information for a regulatory action. The violative products had more than 10 mg of sulfites per serving.

Continued Research

In 2018, the Food Laboratory uploaded whole genome sequencing data from 299 *Salmonella* and *L. monocytogenes* isolates to FDA's GenomeTrakr network. From those, 115 provided information of *L. monocytogenes* found in food and at least four were involved in contaminated food investigations.

As a leader in food laboratory analytical testing and method development, the Food Laboratory participated in working groups and committees in the following associations: Association of Official Analytical Communities International, International Association of Food Protection, Association of Public Health Laboratories, Association of Food and Drug Officials, American Association of Feed Control Officials, and American Association of Plant Control Officials.

The Food Laboratory was the only state participating in a multi-laboratory validation method for antibiotics in distillers' grains. Antibiotics are used in ethanol production to discourage the growth of bacteria that would lower the quality and yield of the product. Low levels of antibiotic residues in animal feeds can lead to antimicrobial resistance. The goal of the validation is to provide a regulatory method that will be capable of detecting the four antibiotics of interest at levels that cause antibiotic resistance in bacterial pathogens and will ensure whether the distiller grains are safe as animal feed.

The Food Laboratory was an active member of the Center of Excellence on Food Research to establish dietary reference intake levels for emerging food additives and to determine safe limits of contaminants such as environmental chemicals, heavy metals, and suspected carcinogens. During the project, the laboratory provided results of 104 violative samples contaminated with lead, arsenic, or chromium and analyzed 169 spices for presence of lead, arsenic, cadmium, mercury, and chromium. All information provided will be used by the Department of Health and the Department of Agriculture and Markets to determine State action levels to better protect New York consumers.

A manuscript entitled “Determination of 27 Elements in Animal Feed by ICP-MS" by Thomas King and Robert Sheridan was accepted for publication. This method serves as the American Association of Feed Control Officials reference method for regulatory labs to use when measuring elements in feed.

Food Safety and Inspection

Staffing

The Division has a permanent staff of 139; 87 are field-based positions and the rest are assigned to offices in Albany, Buffalo, Rochester, Syracuse, New Windsor, Hauppauge, and Brooklyn.

Licenses	Number Issued Annually
20-c food processing establishments	11,406
Article 28 retail food store	1,004
Article 28 food warehouse	211
Slaughterhouse	4
Food salvager	19
Refrigerated warehouse	5
Inedible meal disposal plant and vehicles	8
Inedible meat transportation service and vehicles	12
Pet food brands registration	511
Feed tonnage	588
Feed facility registration	38
Commercial feed license	108
Home processors registrations	785

Inspections and Samples

Division food inspectors perform inspections at over 30,000 regulated food establishments on a routine basis. Inspectors performed 30,409 on-site inspections in 2018 and 67% of those inspections were found to be in substantial compliance.

Food inspectors collect routine and for-cause food samples at regulated food establishments. Inspectors submitted 2,301 food samples to the Food Laboratory in 2018 with 12% of those samples found to be in violation.

Food inspectors executed over 2,100 food seizures (adulterated or misbranded food items) resulting in over 324,000 lbs. of food seized and over 27,956 lbs. of adulterated foods destroyed.

Inspectors investigated 2,461 consumer complaints in 2018.

The farm products unit conducted produce grading inspections, inspected over 160 million pounds of produce and issued over 5,000 certificates in 2018 on behalf of USDA.

Food safety inspections	30,409
FDA contract inspections (Revenue Generated)	220 ($198,692)
BSE inspections	0
Compliance rate (% passing inspections)	67%
Consumer complaint	2,461
Investigations food seizures	2,175

Food seized (lbs.)	324,408
Number of food samples	2,301
No. of food samples that were violative/rate (%)	275 (12%)
Number of feed samples	553
No. of feed samples that were violative/rate (%)	6.14%
Number of food recalls	210
Number of hearings requested	77
Number of injunctions requested	52
Number of penalties issued (revenue generated)	4,343 ($3,524,571)
Licensing revenue (Human Food)	$5,744,470
# Licenses processed	11,245
Licensing/registration revenue (Animal Food)	$1,924,283
# Licenses/registrations processed	1,389
Terminal market inspection certificates (pounds graded and revenue generated)	(66M lbs. $506,342)
Shipping point inspection certificates (pounds graded and Revenue Generated)	(105.5M lbs. $193,638)
Pesticide Date Program Sampling	$266,458
County of origin labeling audits	$180,200
Good agricultural practices audits	256 ($177,162)
Poultry voluntary residence grading (153,282 cases of eggs graded)	148,475
Poultry grading (292,407 lbs.)	$17,334
Poultry shell egg surveillance (80,627 cases of eggs inspected quality)	$41,656
Quality control	$7,398
Shipping point contract inspections	$0.00
NYS branding law (6 establishments)	$4,250
Total FSI Revenue	**$12,786,454**

Aid-to-localities/Outreach in 2018:

- 8 educational presentations were provided to food industry groups and local regulatory agencies.
- 324 industry compliance sessions were provided to food establishment operators. These educational sessions are intended to assist food establishments that are struggling to comply with regulatory inspections.
- FSI hosted meetings with industry groups, craft beverage producers, maple syrup producers and the Food Industry Alliance. The meetings were held to discuss emerging regulatory challenges.
- Staff met with Cornell Cooperative Extension Cornell Institute for Food Safety, the Manufactured Foods Regulatory Program Alliance, and the Produce Safety Alliance. The primary focus of the meeting was education and outreach for agricultural food industries in New York.
- Produce safety outreach included:
    - Attendance at multiple Produce Safety Alliance trainings (PSA);

  - Attendance at several On Farm Readiness Reviews (OFRRs) – OFRRs are non-regulatory farm visits designed to assist with the interpretation of the produce safety rule;
  - Distribution of NYS produce safety rule documentation; and
  - Publication of media advertisement regarding the availability of produce safety resources.
- The Division's Notice of inspection was modified in 2018 to include a letter grade. Each letter, "A," "B," or "C" correspond to the results of the most recent sanitary inspection.
  - A- No critical deficiencies were found (Food safety program in a place is working).
  - B- Although critical deficiencies were found they were corrected at the time of inspection. (Room for continuous improvement).
  - C- Critical deficiencies were found but were not or could not be corrected (Need for immediate corrective action).

Federal Interstate Activity

The Division conducts manufactured food inspections for FDA under a contract agreement. It conducted 220 inspections under the 2018-2019 contract.

The Manufactured Foods Regulatory Program Standards (MFRPS) is a quality management system intended to create nationwide consistency between state and FDA inspection programs. FDA provides the Department with funding annually to support conformance with standards established by FDA and states.

The Rapid Response Team program is intended to improve state and federal response to all hazardous food emergencies. FDA provides the Department with funding annually to support staff, training, and program development.

New York State adoption of the Food Safety Modernization Act, Produce Safety Rule, and Preventive Controls for Human Food Rule occurred in the summer of 2017, which enables the Department to complete food and produce safety inspections under the new regulatory regime.

The Produce Safety program established an on-farm produce inspection unit within the Division of Food Safety. Six inspectors joined the unit and produce safety inspections are expected to begin in the 2019-2020 growing years.

The Farm Products Unit conducted grading, sampling and auditing programs on behalf of USDA under USDA cooperative agreements.

Programs

The Division employs a progressive enforcement program to encourage compliance with food safety laws and regulations. Enforcement tools include food seizure, warning letters, civil penalties, education sessions, license revocation, and injunctive actions. The Department pursued 77 license revocation hearings and 52 injunction actions in 2018.

Land and Water

Staffing

The Division has 17 permanent and five temporary staff. The primary title series is the Environmental Analyst (Agriculture) with grades ranging from SG 18 to SG 27. Approximately half of the staff are field-based, with the remaining staff in Albany or Rochester.

Programs

The Division administers programs to prevent or reduce water pollution and soil erosion in partnership with the NYS State Soil and Water Conservation Committee (State Committee). Staff assisted 58 Soil and Water Conservation Districts in a wide array of operations, programs, and project areas in 2018. Division field-based staff work closely with Conservation District staff to prioritize decisions for the advancement of conservation programming. Staff in the Albany office have primarily focused on providing operational and technical support through the development of training modules, training events, direct research, and thorough administrative support. Monthly reports are provided regionally to articulate program deadlines, funding opportunities, State Committee policies, and significant achievements.

Division staff work with the NYS Soil and Water Conservation Committee to deliver two programs: the NYS Agriculture Nonpoint Source Abatement and Control Program for the implementation of best practices to address on-farm pollution concerns, and the Agricultural Environmental Management (AEM) Program for conservation planning purposes.

The Division helps maintain viable agricultural lands and farm operations and the production of crops, livestock and livestock products through its Agricultural District program and the Farmland Protection programs. It administers AML Article 25-AA (Agricultural Districts) and AML Article 25-AAA (Agricultural Protection and Development). Advancement of working landscape concepts and the irreplaceable land base associated with agriculture production is a significant charge of the Division.

Each Agricultural District in the state is reviewed every eight years. As of January 2019, there are 172 Agricultural Districts, providing benefits to 25,673 farms. In 2018, 11 agriculture reviews were completed, and 34 counties provided annual inclusions to 71 agricultural districts.

During 2018, the Division processed numerous formal and informal responses to requests for review of local laws and ordinances. It conducted 20 formal investigations and completed two sound agricultural practice investigations. Additionally, the Division processed 56 Notices of Intent to minimize adverse impacts on agriculture from commercial utility projects.

Since 2011, the Farmland Protection program has accumulated over 73,800 acres of viable agricultural lands facing significant development pressure through perpetual conservation easements.

The Division is also statutory party under Article VII and Article X of the Public Service Law for the mitigation of agricultural impacts resulting from the construction of major gas pipelines, industrial wind turbines, solar photovoltaic energy generation, and electric power line facilities. In 2018, five gas pipeline segments, eight electrical transmission segments, 18 wind turbine fields, and 14 solar energy arrays were active.

Environmental Protection Fund (EPF) Program Highlights
The Division administers 15 unique grant solicitations on an annual or semi-annual basis supported by the EPF. Active grants in 2018 include:

- **Farmland Protection Implementation.** Awarded $37.8 million for the purchase of perpetual conservation easements on viable agricultural land; also announced a $30 million Request for Applications to purchase perpetual conservation easements on dairy farm operations undergoing a business or ownership transition.

- **Farmland Protection Planning.** Awards totaling $93,500 for the development of farmland protection plans were provided to Herkimer County, Cattaraugus County, and the Town of Victory in Cayuga County.

- **Land Trust Grants Awards.** Round 1: awards totaling $249,000 were provided to seven land trusts to conduct farmland access outreach, update viable agricultural land inventories, and to develop a collaborative screening process to help connect farmers to farmland. Round 2: awards totaling $231,000 were awarded to five land trusts to pay for appraisal costs on 43 farm operations in 31 towns across eight counties. A total of 8,449 acres of viable agricultural land will be appraised for the value of development rights for landowners considering protecting their farm with a conservation easement.

- **Agricultural Environmental Management (AEM).** The 2018 (Year 13) AEM Base Funding Program provided $2.33 million in reimbursement of Conservation District technical assistance to farmers. Conservation Districts spent 55,400 hours providing technical assistance for 427 new farms, 280 environmental resource assessments, 227 farm plans, implementation of 236 conservation practices, and 581 AEM evaluations.

- **Climate Resilient Farming Grant Program.** In 2018, $2.7 million was awarded to Conservation Districts for Round 3 of the Climate Resilient Farming Grant Program. Projects were funded on 34 farms to reduce impact on climate change (mitigation) and to help farms be more resilient to the impacts of climate change (adaptation). Funding addressed manure storage cover and flare, water management, and soil health.

- **Agriculture Non-Point Source Pollution Prevention (AgNPS).** In November 2018, grants were awarded to 27 Conservation Districts under Round 24 of the AgNPS Program, providing $17.4 million in state funds to 132 farms. Presently, the State Committee is overseeing 175 active contracts, representing $57 million in agricultural conservation efforts.

- **State Aid to Districts Program.** Over $9 million was awarded to all 58 Conservation Districts under the annual State Aid to Districts Program. This is the largest amount of state aid ever provided to Conservation Districts.

Additional Highlights

Concentrated Animal Feeding Operations (CAFO) Manure Storage Program (funded through the $2.5 Billion Water Infrastructure Act of 2017-2018)

In May 2018, the CAFO Waste Storage and Transfer System Program Round 2 Request for Proposals was released by the Division. This program makes available $50 million for manure storage and transfer systems on regulated CAFOs.

Harmful Algal Blooms (HABs)
New York launched an aggressive campaign in 2018 to address the threat of HABs. The extent, duration, impacts, and awareness of HABs are increasing, threatening sources of drinking water and the recreational use of lakes that are essential to tourism. In 2018, the state began to implement a $65 million four-point initiative to aggressively combat HABs in Upstate New York. Twelve priority lakes that are vulnerable to HABs were chosen as priority waterbodies.

Division staff took an active role in the development of the HABs summits. Members of the Department presented on the role of county Soil and Water Conservation Districts as well as of farmers in conservation project implementation and watershed management activities. The Division deployed its expertise in watershed management in assisting the Department of Environmental Conservation (DEC), Department of Health (DOH), and an engineering firm to assemble and publish the 12 HABS Action Plans.

Licensing and Inspections

The Division does not issue licenses.

Federal / Interstate Activity

The Division cooperates with and assists federal and state agencies to advance ongoing local Conservation District activities in project implementation, land-use planning, natural resource management, and public health and safety. The responsibilities of the Division are predominantly carried out under authority of the New York State Soil and Water Conservation Districts Law, through direct staff assistance to the NYS Soil and Water Conservation Committee.

Milk Control and Dairy Services

Staffing

The Division has a permanent staff of 51, 38 of whom are in the Dairy Products Specialist title series (which ends at a SG-23). Most of the staff are field-based; 13 are assigned to the Albany headquarters. Staff also oversee and evaluate 88 Certified Milk Inspectors (CMIs), who provide direct oversight to New York's 4,060 dairy farms.

Licenses

The Division licenses milk plant operators, producer cooperatives, milk distributors, haulers, and brokers.

Licenses	Number Issued and Active
Milk Dealers (haulers, brokers, bargaining cooperatives)	479
Plant Operators	106
Operating Cooperatives	16
Frozen Dessert Handler	155
Frozen Dessert Manufacturer	171
Part 2 Processing Permits	354
Milk Receivers	3,758
Bacteria Licenses	882
Processing Plant Superintendents	354
Certified Milk Inspectors	96
Equipment Installers	244
Import Milk Permits	134

Inspections and Samples

Per the Pasteurized Milk Ordinance (PMO), each fluid plant, manufacturing plant, and wholesale frozen dessert plant must be inspected every 90 days. Staff performed 6,178 on-site inspections in 2018: 3,831 milk plant sanitary and pasteurizer inspections and 1,089 milk receiver inspections and bulk vehicle inspections.

Per the PMO, every milk and dairy product must be sampled every month. MCDS staff submitted 17,366 product samples in 2018. Of those, 14,482 were sampled for regulatory analyses with public health significance and were submitted to the State Food Laboratory for testing.

In addition, every dairy farm in New York State is inspected at least twice a year by CMI certified by the Department. In 2018, CMIs conducted approximately 15,000 dairy farm inspections, reviewing sanitary conditions of farms, health of cows, and health of the farm employees. The Department conducted 656 evaluations of CMI proficiency in 2018.

Division Laboratory Evaluation Officers conduct full on-site evaluations once every two years in 94 milk testing laboratories. Each lab is also inspected every six months to ensure the accuracy of sample testing.

By regulation, any person who installs equipment on a dairy farm or in a milk plant must register with the Department. They are responsible for technical installations and meeting applicable construction and fabrication requirements of the PMO, and dairy material and design requirements, such as 3-A Sanitary Standards.

Aid-to-Localities

The Division does not administer aid-to-localities grants.

Federal/Interstate Activity

The Division administers the PMO through a cooperative agreement with FDA and National Conference on Interstate Milk Shipments (NCIMS). MCDS staff is continuously engaged in dairy regulatory policy in the United States. NCIMS is the controlling authority for Grade A dairy products, dairy farm regulations, dairy plant regulations, technical dairy processing equipment and approved processes nationally.

New York participated in several other regulatory discussions with groups including the Interstate Milk Shippers Program, Dairy Practices Council, FDA Northeast Dairy Equipment Review Committee, National Association of Dairy Regulatory Officials, 3-A Sanitary Dairy Equipment Standards, and the National Mastitis Council. The Division's presence at meetings is vital to ensure the changes proposed meet and address New York's interests and initiatives.

The impact of dairy on the New York economy makes participation in the NCIMS vitally important to achieve the Department's mission to strengthen the dairy industry.

Programs

The Milk Producer Security Fund provides an option for dealers to provide required security by depositing a fee to a fund administered by the Department. In 2018-19, this fund secured the milk purchases of 48 licensed dealers. The fund balance as of March 31, 2018 was $10.8 million.

Western New York Milk Marketing Order (WNYMMO)
The WNYMMO is responsible for setting the producer prices and value of milk marketed in the western third of New York State that is not otherwise covered by the Federal Milk Market Order. This order was initiated at the request of dairy producers to ensure the orderly marketing of milk in this area by requiring that all producers be paid uniformly for their milk, regardless of the value of the product produced.

Dairy Promotion Order
The NYS Dairy Promotion Order collects 10 cents per hundredweight of milk produced in New York State from producers to fund marketing and research projects approved by a board of New York dairy producers. This assessment is a one-to-one offset from dairy producers' 15 cent per hundredweight obligation to the federal milk marketing order. During the last year, over $15.3 million was collected to fund these marketing and research programs.

Statistics
Staff process about 4,400 monthly statistical reports annually to tabulate information on the health and activity of New York's dairy industry. From this information, the Division published an

annual statistical bulletin. These reports are used by the USDA's National Agricultural Statistics Service to ensure that its own data is complete and accurate. Additionally, this information is used to generate other statistical reports, on demand, as requested by agricultural economists and government decision makers to ensure that economic development, regulatory, and public policies are having their desired outcome. There is no other source of reliable information on this largest segment of the agricultural economy of the state.

Education and Outreach

In 2018, the Division:

- Provided an annual weeklong training for new CMIs at Cornell and annual outreach to about 90 CMIs in four locations across New York.
- Presented seven Processing Plant Superintendent seminars to over 350 permitted facilities.
- Provided updates for dairy equipment installers at three locations across the state to 77 attendees.

In conjunction with Cornell University Dept. of Food Science and Extension, the Division:

- Conducted four hands-on pasteurization training courses.
- Educated dairy laboratory staff in four regional seminars covering approximately 100 industry laboratories.
- Conducted four office conferences on compliance and enforcement corrective action plans.
- Continued investigations into companies illegally selling raw milk, raw milk products and other foods. These investigations include collaboration with the USDA, FDA, NYS Department of Health, and the New York City Department of Health and Mental Hygiene.

Plant Industry

Staffing

The Division consists of 44 permanent employees which include office staff and field staff. The Division also hires up to 91 seasonal employees (Assistant Horticultural Inspector 1s and 2s) to work on survey and eradication programs.

Plant Inspection and Licensing

As part of the Division of Plant Industry's mission to prevent and control insects and diseases of plants and trees, New York's horticultural inspectors conducted over 4,500 nursery grower and dealer inspections, certified both domestic and foreign shipments to leave the state, and issued 53 quarantine orders to stop the movement of plant material suspected of harboring insect or disease pests. Inspection activities are summarized as follows:

Nursery Grower inspections	2,392
Nursery Dealer inspections	2,157
Active Nursery Growers	2,682
Active Nursery Dealers	5,944
Shipment inspections (incoming domestic)	151
Shipment inspections (incoming foreign)	21
Shipment inspections (outgoing domestic)	329
Shipment inspections (outgoing foreign)	350
Total plants inspected	**1,402,715**

Aid-to-Localities

The Division administered eight research contracts with Cornell University, one with the New York State Turfgrass Association, and one with the Chautauqua County Beekeepers Association.

Federal/Interstate Activity

The Division manages 14 cooperative agreements with the USDA. These include both plant-pest surveys as well as control activities such as containment or eradication.

Division staff hold several leadership roles in the Eastern and National Plant Boards. Staff also participate in the Systems Approach to Nursery Certification Pilot, which puts into place an audit-based registration approach where regulated entities identify critical control points and best practices that help to avoid pest problems in the plant production facility rather than relying on "snapshot in time" inspections. Participation in these organizations and programs insures that we are regulating businesses in efficient, effective and cutting-edge ways.

Plant Regulatory and Quarantine Programs

Industrial Hemp Agricultural Research Pilot Program
The NYS Industrial Hemp Agricultural Research Pilot Program has grown significantly since its inception in 2016. At the end of 2018, the program had 127 research partner growers, 27 research partner processors, and 24 combined grower/processor research partners.

As the federal regulatory landscape changes, the NYS Industrial Hemp Agricultural Research Pilot Program will evolve. The Agricultural Improvement Act of 2018 removed industrial hemp (cannabis sativa with a THC content of 0.3% or less on a dry weight basis) from the federal Controlled Substances Act, which will eliminate some previous barriers to entering and navigating the industry. The Agricultural Improvement Act also set up an overarching federal regulatory structure for industrial hemp, which will be housed at the United States Department of Agriculture, Agricultural Marketing Service. The USDA is in the process of drafting a regulation that will provide details on sampling procedures, testing requirements, licensing, and compliance. In response to this regulation, New York will submit its work plan to the USDA for approval and continue to grow the emerging industrial hemp industry in New York State.

European Cherry Fruit Fly
In 2018, Quarantine and Regulated areas were established in Niagara County due to positive detections for European Cherry Fruit Fly (*Rhagoletis cerasi*). Plant dealers and nurseries within the quarantine and regulated areas were inspected with no positive detections. ECFF trapping was conducted in 20 counties by NYSDAM personnel. 672 traps were placed with a total of 3,655 servicing; no positive *Rhagoletis cerasi* were detected outside Niagara County. Four traps in Niagara County placed by division personnel had positive detections for *Rhagoletis cerasi*. The USDA also conducted trapping for ECFF in Niagara and Erie Counties.

Asian Longhorned Beetle Eradication
The Asian Longhorned beetle (ALB) is a dangerous pest of hardwood trees. Native to China, Japan, and Korea, the insect likely was transported into North America in solid wood packing materials used for international shipping. The first North American infestation was discovered in Brooklyn in 1996, and infestations have subsequently been found in Long Island, New Jersey, Illinois, Massachusetts, Ohio, and Ontario, Canada. In these areas, tens of thousands of trees have been cut down to prevent the spread of ALB.

Through a cooperative effort, and the help of program contractors, the New York ALB program is in the process of performing survey activities and is in sight of the goal that will lead toward a declaration of eradication of the New York City ALB quarantined area. Once complete, the areas of Brooklyn and Western Queens will likely follow. Regulatory activities include:

- Total area under regulation of 111 square miles (58 square miles regulated in the NYC area and 53 square miles in the Central Long Island area.
- Monitoring 881 General Compliance Agreements and 18 Nursery/Garden Center Agreements.
- 1,732 site inspections were made in 2018 along with 185 vehicle inspections. 13 Regulated Material Certificates were issued for firewood inspections. Six quarantine orders and three limited permits were issued to permit controlled movement.
- One violation was issued to a tree company for movement of wood outside the regulated area without a Limited Permit.
- The ALB program continues to prioritize outreach, education, and training to bring awareness and understanding of this destructive pest to the public's attention. 25 on-site

compliance trainings were provided; 72 individuals and 25 companies/organizations were trained.

Golden Nematode Quarantine and Management Program

The Golden Nematode (GN) is a destructive potato pest which threatens the State's potato industry and other soil-bearing crops. It is extremely small difficult to eradicate. New York is the only state in the U.S. that has a certifiable incidence of this pest. Since the 1940's New York State has maintained an effective and comprehensive control program to minimize its spread to other areas and to protect the export of New York potatoes, nursery stock, and other agricultural commodities which encounter soil. Program activities include:

- Sanitized farm and construction equipment (711 power washed, and 20 steam heat treated) to prevent the spread of GN through the movement of soil.
- Collected leaf samples for DNA analysis to confirm adherence to the Resistant Variety Crop Rotation.
- All growers adhered to the required crop rotation in 2018 and no violations were issued.
- On April 25, 2018, a revision to the GN quarantine went into effect that reduced the regulated acreage in five counties by 193,782 acres. To date over 1,100,673 acres have been removed from the GN quarantine with 147,500 acres remaining. Work is continuing to reduce this regulated acreage further.
- Systematic soil surveys are conducted in potato-producing areas of New York to determine if new introductions of GN are present and to confirm that currently regulated fields remain without detectable levels of GN cysts. In 2018, soil samples were taken in seed potato production fields, at potato grader stations, in fields considered for deregulation, and fields known to be infested or exposed to infestation. In ten New York counties, a total of 1,847 samples from 52 fields comprised of 531.7 acres were sampled and all were found to be negative for signs of GN.

Plum Pox Virus (PPV) Quarantine and Eradication Program

In cooperation with the USDA and Cornell University, the Department is using a multi-tiered approach of survey, control, and education to eradicate PPV from New York. Division of Plant Industry personnel planned, coordinated and conducted the survey for the commercial stone fruit orchards, border survey and woodlots survey this past year. No PPV-positive trees were found in the 2018 survey.

With the conclusion of the 2018 survey, there have now been three consecutive years of negative test results for the regulated area in Ulster and Orange Counties. The Department released the regulated area in those counties. This region is still part of the nursery stock regulated area of those counties. The propagation ban for Niagara County will remain unchanged.

As part of the eradication survey, program staff surveyed 1,024 commercial stone fruit blocks totaling over 800 acres in four counties for a total of 99,025 leaf samples collected. All samples tested negative.

A border survey was conducted for the seventh year in a row by division personnel. This was an intense survey of woodlots and residential properties along the Niagara River. The target survey area started at Fort Niagara State Park and ran south along the Niagara River to the southern section of Goat Island State Park. The Niagara River separates New York (Niagara County) from Canada (Province of Ontario). Across the Niagara River within Ontario, Canada is a tender fruit growing region for Canada. The PPV is known to occur in this region and there is no longer

an eradication program for PPV in Canada. The presence of the virus this close to the New York stone fruit growing region puts New York (and the United States) at risk, especially the Niagara County growers. A total of 1,221 samples were collected from 2,573 acres during the 2018 survey. All samples tested negative.

The PPV Eradication program is on target to reach the goal of eradication within the foreseeable future. The success realized so far is primarily due to the cooperation from growers, land owners, and the nursery industry.

Spotted Lanternfly
On October 26, 2017 the Department was contacted by Pennsylvania Department of Agriculture about a finding of Spotted Lanternfly. The evidence concludes that the insect was transported to the facility from a supplier in the Pennsylvania quarantine area. In response to the 2017 regulatory incident, a unified command response was put into place to prepare for and respond to further discoveries of spotted lanternfly. The command structure includes the Division of Plant Industry, NYSDEC Division of Lands and Forests, USDA APHIS Plant Protection and Quarantine (PPQ), and several groups within Cornell University.

An extensive outreach campaign was initiated employing social media as well as traditional educational and outreach venues. Because of public outreach and regulatory inspections, 48 dead spotted lanternflies were reported across eight counties in the State. In addition, one live adult and one apparently viable egg mass was intercepted from a load of nursery stock. To date over 635 square miles of the State have been surveyed and no established population of spotted lanternfly has been detected.

Inspectors with the Division of Plant Industry also conducted numerous regulatory inspections for Spotted Lanternfly around the State. These included 26 stone yards, 3368 nursery growers and dealers, 83 Christmas tree vendors, 1 wood pallet facility, 455 vehicles at 13 commercial vehicle checkpoints, and 67 from SLF-quarantined areas. Thirty rejections were issued.

Oak Wilt
Oak Wilt was confirmed in 2016 by the Department and DEC in Suffolk, Kings, and Ontario Counties. Additionally, in 2017 Oak Wilt was confirmed again in Schenectady County after efforts were made to eradicate the pathogen in 2008.

In response to current detections, DEC has enacted a protective zone within Suffolk, Kings, Ontario, and Schenectady Counties. DEC is currently conducting visual surveys, collecting leaf samples of symptomatic material for diagnostic, and eradicating infected material to control the spread of the pathogen within each protective zone. The Department authorizes the movement of oak nursery stock out of a protective zone under a compliance agreement and a limited permit issued by a Horticultural Inspector from the Division of Plant Industry. In 2018, the Division issued 33 compliance agreements and limited permits in Suffolk County to establishments shipping oak nursery stock out of the Suffolk County protective zone. In addition, horticultural inspectors completed inspections of sales records and field surveys of oak nursery stock during the summer of 2018.

Commodity Inspection, Sampling, and Analysis

New York State Seed Testing Laboratory

The New York State Seed Lab received 592 service samples consisting of 128 species, of which 589 samples were completed. Samples were submitted from 73 NY growers, 2 PA growers and one grower each from CA, CT, ID, NJ. Service sample testing consisted of:

	Number of Tests
Germination	624
Purity	123
Cold test	65
Rush	5
Moisture	5
Seed count	3

Service samples by crop category:

	2017	2018
Agriculture	49.60%	36.75%
Flower	2.99%	13.09%
Lawn	7.37%	12.15%
Range/restoration	1.79%	2.05%
Tree	0.00%	0.63%
Vegetable	38.25%	35.33%

The Seed Lab received 434 regulatory samples for testing of which 432 were completed. 41 samples were received and forwarded to the USDA Federal Seed Laboratory in Gastonia, NC, for Trueness-to-Variety testing. Research and development on methods for growing and quantifying *Rhizobium sp.* inoculants was conducted. Repeatability and validation studies on the developed method are underway. Developing methods for other inoculant species are planned for 2019. Seed lab staff attended the Northeast Seed Analyst Workshop in Harrisburg, PA, for training and continuing education.

Seed Inspection, Sampling and Certification (A&M Law, Article 9)
Agriculture and Markets Law provides for the inspection, sampling and analysis of seed that is offered or exposed for sale in New York. The Division works closely with Cornell University's New York Seed Improvement Project to certify seed as New York State Certified. The designation of seed as certified indicates that it is of a known variety produced under strict standards to maintain varietal purity.

- In 2018, 439 seed samples were taken. 432 samples were analyzed and 90% of the samples were found to be accurately labeled. Approximately 49 seed labelers were sampled. There were 390 seed inspections performed.

	Turf/Lawn Seed	Ag Seed	Vegetable Seed
Samples analyzed	75	322	41
Samples in compliance with labeling	65	287	37
Samples with violations	8	33	1

Fertilizer, Lime & Soil and Plant Inoculants (Article 10, 9A, 10A)
In 2018, 106 commercial fertilizer samples were obtained for analysis and comparison to their labeled guarantees. Fifty-one percent of the fertilizer products sampled were found to be compliant to their stated guarantees. In addition, 13 agricultural liming materials were also sampled for analysis.

	Fertilizer	Liming Materials	Soil & Plant Inoculants
Firms or brands licensed	573	186	683
Inspections performed	329	168	70
Samples taken	106	13	N/A

Ammonium Nitrate Inspection
There were 12 establishments registered as ammonium nitrate retailers. Ammonium nitrate retailers in state are subject to quarterly inspections by NYS horticultural inspectors. An annual inspection is done in conjunction with the NYS Department of Homeland Security and the NYS Police Counterterrorism Unit. All facilities in the state were inspected and found to be following the regulations.

Stop Sale Orders
114 Stop Sales on products/distributors were issued at approximately 53 facilities.

Invasive Species and Noxious Weeds

Regulated Invasive Species
During 2018, there were 26 prohibited plant violations at 21 individual locations. The prohibited species of plants found to be in violation were:

- Acer pseudoplatanus; 1
- Alliaria petiolate; 1
- Berberis thunbergii; 9
- Euphorbia esula; 1
- Frangula alnus; 4
- Iris pseudacorus; 1
- Ligustrum obtusifolium; 1
- Lonicera japonica; 1
- Lythrum salicaria; 2
- Myriophyllum aquaticum; 1
- Phyllostachys aurea; 2
- Phyllostachys aureosulcata; 1
- Rhamnus cathartica; 2

There were also 64 violations issued for regulated plants at 48 individual establishments. The regulated species of plants found to be in violation were Acer platanoides (6 violations), Euonymus alatus (13), Eonymus fortune (12), and Miscanthus sinensis (33).

Several of the prohibited and regulated plant violations were issued at the same locations. Letters are sent to the establishments as a follow-up to the previously issued violations.

Cooperative Agricultural Pest Survey (CAPS)
The 2018 Cooperative Agricultural Pest Survey (CAPS) program looked for 10 invasive targets (three state targets and seven federal invasive targets on the Federal Priority Pest List). A total of six visual targets were surveyed by 26 Horticultural Inspectors across the state. The State visual targets were Boxwood Blight, Late Blight on Tomato, and *Phytophthora ramorum* Blight. The federal visual targets were Japanese Wax Scale, Southern Bacterial Wilt, and Tremex Woodwasp. Visual surveys were completed by Horticultural Inspectors at nursery/greenhouse sites inspecting for pests and diseases on multiple host plants. Almost 3,000 sites and almost 6 million host plants across the state were surveyed. There were 35 specimens collected for determination resulting in detections of Late Blight and Boxwood Blight confirmed by the official identifier, Cornell University Plant Disease Diagnostic Clinic.

In addition, four other target species were surveyed: Oak Ambrosia Beetle, Oak Processionary Moth, Tomato Leaf miner, and Variegated Golden Tortrix. A total of 126 traps were deployed at 60 sites across the state. Horticultural inspectors submitted almost 3,200 specimens for determination. There were no positive target identifications made by the official identifier, Cornell University Insect Diagnostic Lab.

2018 results were entered the National Agricultural Pest Information System program. Federal targets and state visual from the highest predicted impact pest lists were used to evaluate a targeted survey of various plant commodity groups for 2019.

2018 Farm Bill Survey Summary Report
Farm bill funded surveys were conducted in stone fruit, orchard, grape, *phytopthora ramorum* nursery, and velvet long horned beetles. These surveys establish pest presence or absence in the state or delimit a known insect or plant disease issue within the state.

Apiary Inspection and Honeybee Health
The 2018 Apiary Inspection season began in May and ran through November with three apiary inspectors covering all of New York State. During this period, the inspectors made 250 apiary inspections and inspected 4,981 colonies. In 2018, there were sixty-six cases of American Foul Brood disease detected within nine beekeeping operations. All cases of AFB were properly abated. The State Apiarist prepared a presentation to educate and train beekeepers to identify AFB disease in their colonies, the same training program the apiary inspectors use for their training.

In addition, the Department held listening sessions to introduce the Pollinator Protection Program and to hear beekeepers' ideas and concerns.

Part of the apiary inspection program includes the requirement that nucleus colonies or "nucs" produced within the state must be inspected. In 2018 there were seven nuc producers inspected, found free of pests and diseases with permits to sell issued. Apiary inspectors also certified 42,167 colonies and 4,620 nucs for 46 beekeepers to travel interstate for the winter season.

The Department participated again this year in the National Honey Bee Survey. The State Apiarist selected 19 beekeepers who were tested either one or two times during the season with samples sent to the Beltsville Bee Lab for analysis. One of the most telling results within this year's sampling linked high levels of varroa mites with increased levels of Deformed Wing virus and Varroa Destructor virus.

Weights and Measures

The Bureau of Weights and Measures is responsible for assuring measurement accuracy and uniformity in commerce throughout New York State in accordance with Article 16 of the Agriculture and Markets Law. The Bureau works in cooperation with municipal offices of weights and measures throughout the State to assure accuracy in all commercial transactions based on weight or measure and to assure the quality of petroleum products offered for sale. These activities assure equity so that consumers get what they pay for and businesses enjoy a marketplace based on fair competition.

Staffing

The Division has 21 permanent staff including 13 Weights and Measures Specialists, 3 Metrologists, a Division Director, an assistant director and support staff.

Aid-to-Localities

The Division does not administer aid-to-localities grants.

Local Government

The Bureau supervises the 60 municipal weights and measures programs to promote uniform enforcement of the provisions of Article 16 and exercises concurrent authority with them. The Bureau evaluates each municipal program on an ongoing basis, provides feedback/assistance to municipal programs, and provides training to municipal officials. In 2018, the Bureau provided 3,437 hours of training to 124 inspectors from 56 municipalities.

Federal/Interstate Activity

- NYS Department of Environmental Conservation: On December 5, 2018 the Bureau supplied the DEC with the annual report of petroleum quality analysis relating to the Clean Air Act.
- National Workgroup on Taxi Meters and Transportation Network Measurement Systems: The Bureau worked on specifications and tolerances for taxi meters and transportation network systems.
- NYSERDA/DHSES: The Fuel-NY program involves frequent communication and collaboration with NYSERDA and DHSES.
- American Petroleum Institute: The Bureau continued to be an active member of the RP1637 workgroup for “Color Symbols for Petroleum Products.”
- American Society for Testing and Materials: In 2018, the Bureau joined ASTM as a member of the committee on “Petroleum Products, Liquid Fuels and Lubricants.”

Certifications

The Bureau maintains three certifications:

- Certificate of Traceability from the National Institute of Standards and Technology (NIST)
- Certificate of Accreditation in accordance with ISO/IEC 17025 from the National Voluntary Laboratory Accreditation Program (NVLAP)
- Type Evaluation, certified by the National Conference on Weights and Measures.

Programs

Special Details

The Bureau tests and certifies large-capacity vehicle scales, terminal rack meters, and liquefied petroleum gas truck meters on a fee basis. The Bureau limits its device-testing to those devices that are generally not tested by municipalities because they cannot justify the cost of the special equipment, training, or facilities.

	# Tested	Revenue
Large-capacity vehicle scales	58	$11,000
Terminal rack meters	64	$19,980
Liquified petroleum gas truck meters	1,029	$100,100
Total	**1,151**	**$131,080**

Police Axle-Weigh Scales

The Bureau maintains a testing facility at its Western New York regional office for testing axle-weigh scales used by various police departments throughout the State to enforce roadway weight limits. In 2018, the Bureau tested 601 vehicles from 57 police agencies, for a total revenue of $21,750.

Metrology Laboratory

The Bureau provides measurement services through its Metrology Laboratory, accredited by NIST and NVLAP. The Laboratory provides services that are traceable to national standards for mass, length, volume and time. In 2018, the Bureau conducted 296 tests for private industry customers (total of $42,395 in revenue) and 56 tests for municipalities ($18,795 in revenue)

Type Evaluation

The Bureau maintains one of five national laboratories in the country that evaluate new weighing and/or measuring devices to determine if they are “Legal for Trade.”

Type of Evaluation	# Evaluations	Revenue
By the NYS Lab	26	$36,722
Other Lab	127	$12,700
Total	153	$49,422

Petroleum Quality

The Bureau administers the Petroleum Quality Program to assure the quality of petroleum products dispensed in the State. Regulated products are sampled at both the retail and terminal levels. Municipal officials collect the samples at the retail stations and Department specialists collect samples at wholesale terminals.

Product	Samples Taken	# Significant Octane/Cetane Failures[1]	# Other Failures of Significance[2]
Gasoline	11,457	213 (1.9%)	48 (0.4%)
Diesel	1,532	0 (0.0%)	38 (2.5%)

[1] Octane Tol. (0.7 for < 89 and 0.6 for >=89), Cetane (> -2.0), [2] Ethanol (for (E10) > 11.0%, for (E0) > 1.0%), Vapor Pressure from 9/16 to 5/31 (>ASTM 4814 +0.35 psi), Diesel flash point (4/1 to 11/30, 1D min. 82 ºF 2D min. 107 ºF, 12/1 to 3/31, 1D and 2D min. 82 ºF)

Weighmaster Licenses
The Weighmaster License program is intended to provide a higher level of accountability in bulk transactions where the buyer is typically not present. By law, these transactions include bulk sales of coal, coke, feed for domestic animals, fertilizer, lime, and household goods (e.g. when hiring a moving company) but are also common in contract bulk sales. The Bureau issued 3,087 weighmaster licenses in 2018 for total revenue of $45,585.

Fuel-NY
To prepare for future emergencies and severe weather events, certain critical gas stations in the downstate area are required to have both a transfer switch and a plan for back-up power. As of December 2018, 732 out of 950 stations are in compliance.

Milk Tank Poundage Charts
Municipal Weights and Measures test bulk milk tanks on farms and send the data to the Bureau's central office. The test data is used to create a tank poundage chart that is used by both the farmer and processor to determine the amount of milk sold. In 2018, the Bureau issued 233 bulk milk tank poundage charts.

New York State Fair

The annual State Fair, held for 13 days ending on Labor Day, preserves and enhances the agricultural legacy of the State of New York and promotes current and future agricultural awareness. The State Fair hosts statewide competitions in the breeding and showing of horses and livestock and the production of quality wine, vegetables, fruit, honey, maple syrup, flowers, forage, and grain. Likewise, the Fair also hosts competitions for the youth of New York State that include: horses, livestock, horticulture, robotics, dogs, sports, talent, and general economics. In total, the Fair averages 38,000 entries into the various competitions during the 13 days of the Fair where over 2,000 youth and 9,500 head of livestock will call the Fairgrounds home.

The annual Fair contributes extensively to the economy of the Syracuse area. The Fair adds in excess of an estimated $100 million in revenue to the local economy every year. During Fair-time, all lodging in the area is booked to capacity.

The attendance at the State Fair hit a record 1.279 million people in 2018.

Year-Round Events

The Fairgrounds are used extensively in the remaining 50 weeks of the year with over one million attendees participating in any of the almost 300 shows that the Fairgrounds host. The Fairgrounds consist of 375 acres with approximately 200 acres in the exhibition area. There are approximately 100 structures with 21 major exhibit buildings, livestock barns and stables, a 5,000-seat Coliseum, two open amphitheaters and parking for 20,000 cars. Unveiled in 2018, the Exposition Center is 136,000 square feet with 110,000 square feet of expo space. It is the largest such space north of New York City between Cleveland and Boston.

The main facilities that are used during the non-Fair season are the Center of Progress Building, the Horticulture Building, the International Building, the Exhibit Center, Chevy Court, the Coliseum, and related horse barns. The non-Fair shows include national and regional horse shows, trade shows, boat shows, home shows, car shows, concerts, antique shows, company parties and picnics, the Syracuse Nationals Auto Show, weddings, and other events. The Coliseum hosts national, regional, and local horse shows April through October.