



# **PESTICIDE AND PLANT PEST MANAGEMENT DIVISION**

**Michael Philip, Division Director**

**Michigan Department of Agriculture and Rural Development  
525 West Allegan, Lansing, MI 48933  
P.O. Box 30017, Lansing, MI 48909  
Telephone: 800-292-3939  
Fax: 517-335-4540**

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## LETTER FROM THE DIRECTOR

This year was unlike any other in modern memory. Within the Michigan Department of Agriculture and Rural Development's Pesticide and Plant Pest Management Division (PPPMD), unprecedented operational changes were implemented to keep employees, their families, and their communities safe. Despite these changes, as Michigan's agricultural industries continued their essential operations, PPPMD remained fully committed to its regulatory and service roles within those industries.

PPPMD is responsible for protecting human, animal, and environmental health through the regulation of plants and plant products, animal feed, fertilizer, and pesticides. In addition, the Division fosters economic development through the certification of Michigan-grown agricultural commodities and forest products for interstate and international trade. PPPMD also works collaboratively with several other organizations to mitigate the spread and impact of invasive species. These programs are key to promoting the interests of Michiganders and supporting the state's \$104.7 billion food and agriculture industry.

I am extremely proud of the work performed by PPPMD's 86 experts, their dedication to public service, and the innovative solutions they brought to this year's extraordinary challenges. This report highlights the results of that dedication and those solutions, and I hope you find it useful and informative.

***The mission of the Pesticide and Plant Pest Management  
Division is to:  
Protect human and animal health and the environment while  
fostering a diverse, viable Michigan agriculture.***

Michael Philip, Division Director  
Pesticide and Plant Pest Management Division



## Plant Health Certification and Export

### PROGRAM MANAGERS:

MICHAEL BRYAN (Export) | 517-284-5648 | [bryanm@michigan.gov](mailto:bryanm@michigan.gov)

JOHN DIDDAMS (Nursery) | 906-630-1861 | [diddamsj@michigan.gov](mailto:diddamsj@michigan.gov)

The Plant Health and Export Certification Program, through the inspection of nursery stock, helps prevent the introduction and dissemination of serious insects and diseases injurious to nursery stock, plants, and plant products. The program also facilitates the export and import of nursery stock, plants, plant products, and agricultural commodities to and from other states or countries by developing and implementing programs for the detection, eradication, or control of serious pests and diseases.

### IMPACT FOR MICHIGAN:

The certification of plant-based commodities enables shipment to other states and countries. Nursery stock producers generate about \$291 million in annual sales and distribute over 50 percent of their products to 35 states. Michigan Christmas tree production has an annual farm gate value of \$27 million. Michigan consumers benefit by being assured the nursery stock they purchase is free of pests and diseases.

Preventing the introduction of plant pests and other invasive species into Michigan protects our agricultural, urban, and natural resources; promotes domestic and international commerce; minimizes control costs; and promotes tourism and outdoor recreational industries.

### ACCOMPLISHMENTS:

- Facilitated nursery stock and lumber exports by promoting enrollment of firms in new and existing United States Department of Agriculture programs.
- Collaborated with USDA to eliminate the introduction of *Ralstonia solanacearum* race 3 biovar 2, from greenhouses in Michigan and other states. This plant pathogen is classified as a “select agent” because of the threat it poses to plant health.
- Increased enforcement action on firms shipping material into Michigan in violation of Michigan’s exterior plant pest quarantines.
- Assured MDARD’s Authorized Certification Officials (ACO) applied federal export policy on a uniform basis statewide. MDARD’s well-trained staff of ACO’s assured on-time departure of over 4,400 export shipments, which facilitated trade to 87 countries worldwide.

## MEASURING SUCCESS:

Metric	2019	2020
Nursery Stock Growers Inspected	1,225	1,079
Nursery Stock Dealers Inspected	1,040	359
Export Certificates Issued	4,858	4,486
Christmas Tree Fields Inspected	259	258

## PROGRAM GOALS:

- Expand the use of a risk-based approach to the inspection of nursery stock by updating policies and procedures to promote uniformity of inspections that focus on harmful pests and diseases which threaten Michigan nurseries and the environment.
- Increase the efficiency of the export certification program, facilitating savings which can be passed on to industries served.
- Safely protect Michigan's agricultural and silvicultural resources from unwanted insect pests and plant diseases through quarantine compliance monitoring during the COVID-19 pandemic.
- Review and revise Michigan's plant health statutes as part of an overall effort to harmonize the statutes with National Plant Board nursery and plant pest model laws for states.



## KEY STAKEHOLDERS

- Nursery stock growers and dealers
- Fruit and vegetable producers
- Hay, straw, grain, log, and lumber exporters
- Christmas tree growers
- Greenhouse/floriculture growers
- Michigan residents
- U.S. Department of Agriculture, Animal and Plant Health Inspection Service

## LEGAL AUTHORITY:

- The Insect Pest and Plant Disease Act, PA 189 of 1931, as amended
- Insect Pests and Plant Diseases, PA 72 of 1945



## Invasive/Exotic Pest Detection and Response

**PROGRAM MANAGER: ROBERT MILLER**

517-284-5650 | [millerr35@michigan.gov](mailto:millerr35@michigan.gov)

The Invasive/Exotic Pest Detection and Response Program strives for early detection of exotic and invasive pests of agriculture and forestry and management of these pests before they become established in the state. Early detection is critical for the successful eradication or containment of invasive pest populations. Early detection is accomplished through pathway analysis and risk-based trapping, inspection, and outreach programs for high-risk target species. Sustained monitoring programs keep national and international markets open to Michigan-produced agricultural and forest commodities.

### IMPACT FOR MICHIGAN

Change to Michigan is home to one of the nation's most diverse agricultural industries, fifth most timberland, and sixth largest green industry in the United States. The Port of Detroit is one of the busiest commercial border crossing in the world, placing Michigan at exceptional risk for the introduction, establishment and impacts of invasive pests. Left undetected and unmanaged, these pests can reduce agricultural yields, increase input costs, lower the volume and quality of timber, reduce forest biodiversity, imperil threatened and endangered species, and impact property values.

### ACCOMPLISHMENTS:

- Engaged with the Michigan Department of Natural Resources (MDNR), the USDA-Forest Service, Michigan State University (MSU), and Cooperative Invasive Species Management Areas to protect the state's hemlocks from hemlock woolly adelgid.
- Issued/maintained eight compliance agreements for the movement of hemlock woolly adelgid samples for survey identification and research.
- In collaboration with MDNR, USDA, and MSU created a spotted lanternfly response committee to plan and prepare for the threat posed by this extremely dangerous invasive species.
- Implemented an exterior plant pest quarantine against mountain pine beetle and revised the state's hemlock woolly adelgid quarantines to better protect our pine and hemlock resources.
- Collaborated with the USDA and MSU to conduct a statewide survey of 47 pest species threatening our environment and food production.

## MEASURING SUCCESS:

Metric	2019	2020
Invasive Species Awareness (audience hours)	656	291
Seed Potato Acreage Certified for Export	288	296
Forest, Fruit, and Field Crop Survey Sites	117	115

### PROGRAM GOALS:

- Protect Michigan environment and agricultural lands and crops from exotic invasive pests.
- Coordinate and implement the statewide strategy to protect Michigan's hemlock resource in response to hemlock woolly adelgid.
- Continue the development of response plans and strategies should Asian longhorned beetle or spotted lanternfly be detected in the state.
- Continue education of industry professionals and public on exotic/invasive forest pest detection and reporting to ensure residents are in the best position to help discover new pests and have the knowledge to recognize them and report their findings.
- Respond to new reports of exotic/invasive pests, including hemlock woolly adelgid, Asian longhorned beetle, spotted lanternfly and balsam woolly adelgid.
- Continue to facilitate the export of seed potatoes through USDA-funded potato cyst nematode surveys.



### KEY STAKEHOLDERS:

- Agricultural producers
- Forest products producers
- Property owners, municipalities, and businesses maintaining turf and landscape plants
- Nursery plant, Christmas tree, and floriculture producers
- Residents engaged in recreational activities in native forests
- USDA-APHIS, USDA-Forest Service, MDNR, MSU, Environment Great Lakes & Energy (EGLE).

### LEGAL AUTHORITY:

- The Insect & Plant Disease Act, PA 189 of 1931, as amended
- Insect Pests and Plant Diseases, PA 72 of 1945
- National Environmental Policy Act (NEPA) of 1969, as amended
- The Plant Protection Act

## FRUIT AND VEGETABLE INSPECTION

**PROGRAM MANAGER:** PATRICIA BIZOUKAS

517-284-5664 | [bizoukasp@michigan.gov](mailto:bizoukasp@michigan.gov)

The Fruit and Vegetable (F&V) Inspection Service offers unbiased, third-party grading services and verification of fruit and vegetable quality based on government standards and/or processor specifications. In addition, this program provides Good Agricultural Practices (GAP), Good Handling Practices (GHP), third-party food safety audits, and licensing and inspection of controlled atmosphere storage facilities.

### IMPACT FOR MICHIGAN:

The F&V program protects buyers, brokers, and consumers from receiving poor quality produce or produce which does not meet the promised grade or condition from anywhere in the world. In addition, it protects farmers by providing them an unbiased, third-party inspection upon which they are paid fairly for their produce. Processing facilities are also protected from receiving poor-quality produce in processed goods. The F&V inspection staff also perform GAP/GHP food safety audits verifying Michigan produce has been produced and handled in a manner minimizing food safety concerns thereby opening markets for Michigan producers and handlers.

### ACCOMPLISHMENTS:

- Responded to all requests for inspection and audit services in a timely fashion despite the many challenges brought about by the year's unprecedented pandemic response.
- Replaced the outdated phone-in inspection request process with an online system resulting in more efficient processing of paperwork and timelier inspections.
- Facilitated United States Department of Agriculture's Food Purchase and Distribution Program (trade mitigation) by meeting the increased demand for necessary inspections in a timely manner. These purchases enabled food banks and local hunger relief agencies to provide additional food to families in need in local communities.
- Maintained excellent customer service in accordance with USDA's Branch Inspection Quality Management System, through continual monitoring of staff performance during biweekly intentional conversations.



## MEASURING SUCCESS:

Metric	FY 2019	FY 2020
Market Inspections	1,176	757
Shipping Point Certificates Issued	1,834	2,037
Total Hundredweight Inspected	867,237	948,056
GAP/GHP Audits Performed	231	247

## PROGRAM GOALS:

- Increase the number of inspectors licensed to perform market inspections on all commodities by sending eligible inspectors to the 30-day market school. This will ensure the availability of trained staff in key locations so excellent response times can be maintained and the cost of inspections to the producer or firm can be minimized.
- Utilize new technology to continue making improvements within the program. With minor adjustments, we can utilize a system that will remain seamless to our customers while allowing the elimination of duplicative entry of information and minimizing the chance for unnecessary clerical errors.
- Evaluate process improvement changes to see what has worked and where additional improvements can be made to maintain a high level of customer service.
- Develop electronic forms to provide efficiencies for field and office staff.
- Develop an outreach program to build better relationships with our stakeholders, providing opportunities to understand what their needs are and how we can assist them.



## KEY STAKEHOLDERS

- Michigan fruit and vegetable growers and processors
- Michigan shippers
- Buyers, brokers, and consumers
- Food retailers
- U.S. Department of Agriculture - Agriculture Marketing Services

## LEGAL AUTHORITY:

- Market Conditions, PA 91 of 1915
- Cooperative Agreement with the United States Department of Agriculture

## Agrichemical Bulk Storage

**PROGRAM MANAGER:** Jarrod Fletcher  
517-449-2635 | [fletcherj6@michigan.gov](mailto:fletcherj6@michigan.gov)

The Agrichemical Bulk Storage Program regulates commercial facilities storing bulk agrichemicals and private facilities storing bulk liquid fertilizers by requiring tank containment, a mixing and loading pad, and an emergency response plan. Inspections help ensure bulk fertilizer and pesticide containments are constructed, installed, and maintained in a safe manner, with the least possible impact on people, property, and the environment. Construction plans are reviewed, and site consultation and inspections are conducted to help facilitate new projects and ensure bulk quantities of agrichemicals are stored properly and securely.

### IMPACT FOR MICHIGAN:

The Agrichemical Bulk Storage Program safeguards approximately 76 million gallons of Michigan agrichemicals and ensures fertilizers and pesticides are properly identified, stored, and secured to prevent misuse and environmental discharges. The program promotes economic development by enforcing regulations, providing environmental protections, and maintaining a strong relationship with agribusiness companies expanding their operations. This regulatory oversight benefits industry and producers by preventing environmental contamination and prevents product losses and clean-up costs if a spill or release were to occur. This program initiates proactive efforts to help provide a safer environment through proper storage of agrichemicals.

### ACCOMPLISHMENTS:

- Performed commercial consultations with businesses building new containment and renovating existing containment.
- Conducted outreach activities to inform staff, industry, and producers about on-farm fertilizer storage and poly tank integrity.

## MEASURING SUCCESS:

Metric	2019	2020
Bulk Storage Facility Registrations Issued	236	204
Facilities Inspected	121	93
State Liquid Agrichemical Storage Capacity (gallons)	76 Million	76 Million

## PROGRAM GOALS:

- Inspect at least 50 percent of registered bulk storage facilities.
- Increase construction and site plan reviews and on-site consultations to ensure proper agrichemical containment construction and promote Michigan's economic development.
- Increase outreach efforts to advise agricultural dealers and farmers on ways to deter illicit use of agrichemicals such as anhydrous ammonia, while protecting their safe, intended use.
- Register all bulk storage facilities electronically.
- Respond to emergencies where there may be a possible release of fertilizer and/or pesticide product to the environment, including flooding in central Michigan due to dam failure in 2020.



### KEY STAKEHOLDERS

- Fertilizer and pesticide manufacturers and distributors
- Agricultural producers
- Michigan Agri-Business Association
- Michigan Farm Bureau

### LEGAL AUTHORITY:

- Natural Resources Environmental Protection Act, PA 451 of 1994, as amended:
  - Part 83, Pesticide Control
  - Part 85, Fertilizers
  - Part 87, Groundwater and Freshwater Protection
- Regulation 640, Commercial Pesticide Bulk Storage
- Regulation 641, Commercial Fertilizer Bulk Storage
- Regulation 642, On Farm Fertilizer Bulk Storage



## Fertilizer and Liming Materials

**PROGRAM MANAGER:** JARROD FLETCHER

517-449-2635 | [fletcherj6@michigan.gov](mailto:fletcherj6@michigan.gov)

The Fertilizer and Liming Program regulates approximately 881 manufacturers and distributors of 1.89 million tons of fertilizers, soil conditioners, and liming materials for both farm and non-farm use and assures fertilizers meet label claims and guarantees and are stored securely in an environmentally protective manner.

### IMPACT FOR MICHIGAN:

- Fertilizer is the most widely used agrichemical and is agronomically applied on about 10 million acres of Michigan farmland.
- Michigan producers rely on this program to purchase accurately labeled fertilizers, safe to apply to their cropland, maximize yields, and maintain a profitable agricultural operation.
- Restrictions limiting phosphorus applications on turf help maintain and protect Michigan's vast water resources.
- Residents purchasing home and garden fertilizers rely on this program to protect them from misbranded and adulterated products.

### ACCOMPLISHMENTS:

- Reviewed and analyzed 33 turfgrass fertilizers with “zero phosphorus” claims, 29 of which were found to be accurate.
- Issued stop sale violation notice to three manufacturers selling a misbranded product with a false claim.
- Sampled and analyzed 235 fertilizer samples and tested for 874 analytes. For analytes tested, 72 were found violative, an 8.2 percent violation rate. Violation notices were sent to all retailer and manufacturer locations with violative samples. Most of these samples were collected (spring) as the department was orchestrating the impact of COVID-19.

## MEASURING SUCCESS:

Metric	2019	2020
Fertilizer Licenses Issued	625	833
Specialty Products Registered	5,847	6,287
Liming Material Licenses Issued	115	108

## PROGRAM GOALS:

- Increase marketplace surveillance inspections of fertilizers to help prevent illegal trade and sale of unapproved and unregistered products to homeowners, professional applicators, and farmers.
- Increase fertilizer sampling and analysis activities to verify label guarantees for industry and consumers.
- Continue to focus on fertilizer and water quality reports and fee payment auditing activities to ensure all manufacturing facilities are complying with the fertilizer law and regulation.
- Work with industry and other agencies on approval of recycled products for use as fertilizer, liming and soil conditioners products as allowed under P.A. 451 of 1994, Part 115.



## KEY STAKEHOLDERS

- Fertilizer manufacturers
- Agricultural producers
- Turfgrass application businesses, including golf courses
- Michigan Agri-Business Association

## LEGAL AUTHORITY:

- Natural Resources Environmental Protection Act, PA 451 of 1994, as amended:
  - Part 85, Fertilizers
  - Part 87, Groundwater
- Liming Materials, PA 162 of 1956
- Regulation 634, Commercial Fertilizers

## Animal Feed Safety Program

### PROGRAM MANAGERS:

CARRIE ANDRICH | 989-239-7629 | [andrichc@michigan.gov](mailto:andrichc@michigan.gov)

STEVIE GLASPIE | 989-255-0892 | [glaspies1@michigan.gov](mailto:glaspies1@michigan.gov)

Michigan has approximately 1,400 commercial feed licensees distributing over 4 million tons of commercial feed and feed ingredients. The goal of the Animal Feed Program is to protect human and animal health by assuring these products are safe and wholesome. This is accomplished through inspection and sampling activities ensuring feeds are produced using approved feed ingredients and additives, feed is free of contaminants and labeled properly. Inspectors evaluate feed facilities, ensuring compliance with Current Good Manufacturing practices. Review of feed formulations and sampling of feeds confirm compliance with state and federal regulations. Inspectors also investigate complaints involving animal deaths, illnesses, or issues with products impacting public health.

### IMPACT FOR MICHIGAN:

Michigan farms are home to an estimated 15 million livestock animals including dairy cows, beef cattle, hogs, turkeys, chickens, goats, and sheep primarily raised for food. Furthermore, it is estimated 55 percent of Michigan households have one or more pets who would be directly impacted during a feed safety incident. Feed safety incidents and recalls demonstrate the need for product surveillance, rapid response capabilities, and strong enforcement for pet food and livestock feed.

### ACCOMPLISHMENTS:

- Given the many challenges this year presented, the program was still able to respond to animal illness and death investigations, complete Food and Drug Administration (FDA) contract obligations and complete high priority routine work.
- Worked with a custom software developer to replace legacy software and is scheduled to be released in March of 2021.
- Worked with FDA, during the FDA's stop work-order, to conduct a joint Preventive Controls inspection after an investigation of a feed ingredient alleged to contributed to the death of 22 dairy cows.



## MEASURING SUCCESS:

Metric	2019	2020
Current Good Manufacturing Practice Inspections	221	126
Medicated Feed Inspections	79	51
Veterinary Feed Directive Inspections	77	57
Preventative Control Inspections	1	1
Feed Samples	1,192	1,038*

\*6,808 total analytes tested.

## PROGRAM GOALS:

- Continued focus on feed safety through risk-based inspections and the routine surveillance of feed products through sampling to determine compliance.
- Conduct outreach promoting animal feed safety awareness and compliance activities while implementing and communicating Feed Law changes to stakeholders.
- Assure market access for Michigan food and agricultural products by updating the Feed Law to maintain national and global consistency.
- Continued development and review of internal policies and procedures to ensure the implementation of the Animal Feed Regulatory Program Standards.



### KEY STAKEHOLDERS

- Feed manufacturers and distributors
- Michigan Agri-Business Association
- Michigan Farm Bureau
- U.S. Food and Drug Administration
- Livestock producers
- Pet and specialty pet owners

### LEGAL AUTHORITY:

- Michigan Feed Law, PA 120 of 1975
- Regulation 635, Commercial Feed

## Pesticide Registration

**PROGRAM MANAGER: KEVIN KERN**

517-284-5652 | [kernk@michigan.gov](mailto:kernk@michigan.gov)

Pesticide registration is an important aspect of protecting human health and the environment. The registration of pesticides provides the mechanism to identify and track the use and sale in Michigan with fees being an important source of funding. Funding from pesticide registration is key in supporting inspection and monitoring programs that promote compliance with state and federal laws and regulations and help in mitigating misuse.

### IMPACT FOR MICHIGAN:

Registering pesticides ensures producers, businesses, and residents have access to the pesticides they need to protect themselves, their crops, and their property from damaging pests including insects, vertebrates, fungi, bacteria, and weeds. Registration also provides Michigan Department of Agriculture & Rural Development (MDARD) with the means to cancel or restrict the use of a pesticide in the event it causes adverse effects on human health or the environment.

### ACCOMPLISHMENTS:

- Issued three new, and maintained 42 existing, Special Local Needs registrations to Michigan growers, giving them additional pesticide tools to protect their crops from damaging pests, including spotted wing drosophila, cercospora leaf spot, and potato late blight.
- Requested one emergency use exemption from the Environmental Protection Agency (EPA) on behalf of Michigan's mint growers to allow expanded use of Tough Herbicide (pyridate) for a limited time during potentially devastating weed growth situations.
- Conducted 85 state marketplace inspections on behalf of EPA to ensure pesticides being offered to consumers are properly labeled and registered with MDARD and the EPA.

## MEASURING SUCCESS:

Metric	2018	2019
Pesticides Registered for Sale in Michigan	15,171	16,220
Marketplace Inspections Conducted	98	85
Unregistered Pesticides Found	552	219
Enforcement Actions Taken	287	208

## PROGRAM GOALS:

- Prepare and submit emergency exemption requests on behalf of Michigan's agricultural producers.
- Review, issue, and maintain Special Local Need registrations on behalf of Michigan's agricultural producers.
- Promote a fair business environment by conducting at least 100 state marketplace inspections at pesticide retailers to ensure pesticides being sold are registered by MDARD.
- Protect human health and the environment by reviewing pesticide labels and conducting federal marketplace inspections at pesticide retailers.



## KEY STAKEHOLDERS:

- Pesticide manufacturers
- Commodity groups, particularly those that represent specialty crop growers
- Michigan Agri-Business Association
- Michigan State University

## LEGAL AUTHORITY:

- Natural Resources and Environmental Protection Act, PA 451 of 1994, Part 83, as amended, Pesticide Control



## Pesticide Business Licensing

### PROGRAM MANAGERS:

TOM LAWRENCE (Interim) | 517-284-5655 | [lawrencet9@michigan.gov](mailto:lawrencet9@michigan.gov)

ANTONIO CASTRO-ESCOBAR | 517-284-5659 | [escobara@michigan.gov](mailto:escobara@michigan.gov)

Businesses applying pesticides for hire, dealers of restricted use pesticides, and dealers of agricultural pesticides all play key roles in Michigan business and agriculture. Michigan Department of Agriculture & Rural Development (MDARD) has the responsibility of supporting these businesses while at the same time promoting the safe use of pesticides. MDARD licenses and routinely inspects these businesses to ensure compliance with all applicable pesticide laws and regulations to try to protect human health and the environment.

### IMPACT FOR MICHIGAN:

In FY2020, MDARD issued 2,214 pesticide applicator business licenses, 260 restricted use pesticide dealer licenses and 344 agricultural pesticide dealer licenses. Licensing of these businesses ensures compliance with all pesticide laws and regulations are followed or risk license suspension or revocation.

### ACCOMPLISHMENTS:

- Monitored for compliance with pesticide application business license requirements to assure a fair business environment and protect consumers from illegal operations.
- Monitored sales of restricted use pesticides to ensure they were only sold to certified applicators.
- Approval of 1,085 continuing education courses. These courses promote relevant educational opportunities for certified pesticide applicators and allow for renewal of required certification credentials.

## MEASURING SUCCESS:

Metric	2019	2020
Pesticide Applicator Business Licenses Reviewed	341	351
Restricted Use Pesticide Sales Audit Inspections	32	15
Restricted Use Pesticide Sales Violation Enforcement	4	4
Recertification by Seminar Sessions Approved	1,419	1,085

## PROGRAM GOALS:

- Monitor re-certification by seminar courses to ensure course time, length, and content is appropriate and relevant to certification credit categories.
- Conduct at least 15 restricted use pesticide audits.
- Eliminate the use of bubble sheets for recertification by seminar courses and develop an online system applicators can use to manage their re-certification credits.
- Ensure business and individuals can legally operate in Michigan by issuing licenses and certification credentials in a timely matter.



## KEY STAKEHOLDERS

- Agricultural producers and commodity organizations
- Michigan Agri-Business Association
- Michigan pest management, landscape, and aquatic plant management associations
- Public
- U.S. Environmental Protection Agency

## LEGAL AUTHORITY:

- Natural Resources and Environmental Protection Act, PA 451 of 1994 as amended:
  - Part 83 Pesticide Control
  - Part 85 Fertilizers
- Regulation 633, Restricted Use Pesticides
- Regulation 636, Pesticide Applicators
- Regulation 637, Pesticide Use

## PESTICIDE ENFORCEMENT

**PROGRAM MANAGER: MOLLY MOTT**

248-521-0501 | [mottm@michigan.gov](mailto:mottm@michigan.gov)

Pesticide investigations and inspections are conducted in numerous settings where pesticides are used, sold, and manufactured in Michigan. The Pesticide Enforcement Program protects human health, animals, and the environment by utilizing a combination of education and enforcement to promote compliance with state and federal laws and regulations.

### IMPACT FOR MICHIGAN:

Misuse of pesticides could result in human exposure, drift, property and crop damage, illegal residues on food crops, wildlife and pet illness or death, and impacts to the environment. Michigan Department of Agriculture & Rural Development (MDARD) monitors pesticide use, provides compliance assistance, and takes enforcement action when necessary to help protect the health and safety of Michigan's residents and the environment.

Types of inspections conducted include complaint investigation and spill response, agricultural and non-agricultural inspections, integrated pest management (IPM) inspections in schools and day cares, state and federal marketplace product inspections, federal pesticide-producing establishment inspections, Federal Worker Protection Standard compliance inspections, Pesticide Notification Registry compliance inspections, and restricted use pesticide sales, licensing, and monitoring inspections.

### ACCOMPLISHMENTS:

- Implementation of and training for the Inspection, Notification, Tracking, Enforcement, and Licensing System (INTELS); all pesticide inspection project types and enforcement are now housed in INTELS.
- Completed compliance assistance in the form of 99 warning letters, three advisory letters, 247 stop orders, one compliance conference, and two consent agreements. Issued 73 administrative penalties.
- Issued an Enforcement Response Policy and violation response matrix.
- Provided guidance documents to the public in response to the COVID-19 pandemic regarding safe disinfectant use and selection; licensing and certification requirements; and applicator options when personal protective equipment is in short supply.



## MEASURING SUCCESS:

Metric	FY2019	FY2020
Samples collected during federal contract inspections and complaints	443	664
Complaints Investigated	234	227
Compliance Inspections Performed	886	790
Inspections to Monitor Pesticide Use in Schools and Daycare Facilities	85	42

### PROGRAM GOALS:

- Continue to utilize the pesticide core team and inspectors as subject matter experts in completing future releases of INTELS. Maintenance and enhancement releases continue to impact the Pesticide section as other sections come online.
- Conduct a minimum of 20 outreach sessions with stakeholders to ensure awareness of Michigan pesticide regulations.
- Conduct at least 31 agricultural and non-agricultural planned pesticide use inspections to educate pesticide applicators and employers regarding state and federal pesticide regulations.
- Conduct at least six of the above planned use inspections and collect 10 formulation samples during state inspections that targeting the emerging hemp and licensed marijuana grower industry.
- Conduct 18 federal pesticide producing establishment and marketplace inspections and collect at least 10 samples that targeting disinfectants, antimicrobials, and cannabis-focused products.
- Continue section-wide participation in overhaul of procedures manual to effectively manage procedures, policies, forms, and compliance assistance documents.



### KEY STAKEHOLDERS:

- Agricultural producers and commodity organizations
- Michigan Agri-Business Association and other Michigan pest management, landscape, and aquatic associations
- The public, pesticide application businesses, and pesticide applicators
- U.S. Environmental Protection Agency

### LEGAL AUTHORITY:

- Natural Resources and Environmental Protection Act, PA 451 of 1994, as amended:
  - Part 83 Pesticide Control
  - Part 85 Fertilizers
- Regulation 633, Restricted Use Pesticides
- Regulation 636, Pesticide Applicators
- Regulation 637, Pesticide Use