



Dairy Inspection Program

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January 11, 2012

The Dairy Industry's Impact on Michigan's Economy

- Dairy is the largest single segment of Michigan agriculture
- Michigan ranks 8th in milk production in the US (up from 9th in 2008)



The Dairy Industry's Impact on Michigan's Economy

- Over 8 billion pounds of milk was produced by Michigan's dairy farms in 2010
- Cash sales for 2010 farm milk totaled \$1.4 billion



The Dairy Industry's Impact on Michigan's Economy



- Over 26,000 jobs are created from Michigan's dairy industry
- \$5.9 billion impact on Michigan's economy
- Up to 35% of Michigan's milk production, with a cash value of \$500 million, is sold out of state

MDARD Dairy Inspection Responsibilities

- **On-Farm** Inspections
- **Transportation** Facilities and Equipment Inspections
- **Processing** Facilities and Equipment Inspections
- **Auditing** Milk Sanitation and Enforcement Ratings on Dairy Farms and Dairy Plants for Interstate Shipment of Milk

MDARD Dairy Inspection Responsibilities

On-Farm Inspections

- Michigan has 2,170 licensed dairy farms
- 75 of Michigan's 83 counties have dairy farms



On-Farm Inspections

Checking Milking Equipment



Inspecting Cow Cleanliness

On-Farm Inspections

Milking Time Inspections

Milking Parlors



On-Farm Inspections

Diversity of Technology



Rotary Milking Parlor

Robotic Milking System



On-Farm Inspections

Diversity of Technology



Milk Cans

Direct Milk Loading



MDARD Dairy Inspection Responsibilities

Transportation Inspections

- 123 Milk transportation companies
- 704 Milk tank trucks
- 1,010 Milk Hauler/Samplers

Transportation Inspections



Milk tank truck

Dairy Farm Bulk Tanks



Transportation Inspections



Licensed hauler
sampling milk
from a bulk tank

Loading Milk
(from bulk tank
to tank truck)



MDARD Dairy Inspection Responsibilities



Processing Inspections

- Michigan has 84 milk processing plants and exports products such as butter, ice cream, milk powder, cheese and yogurt across the U.S. and to countries including Canada, Mexico Japan and the Middle East

MDARD Dairy Inspection Responsibilities

Processing Inspections

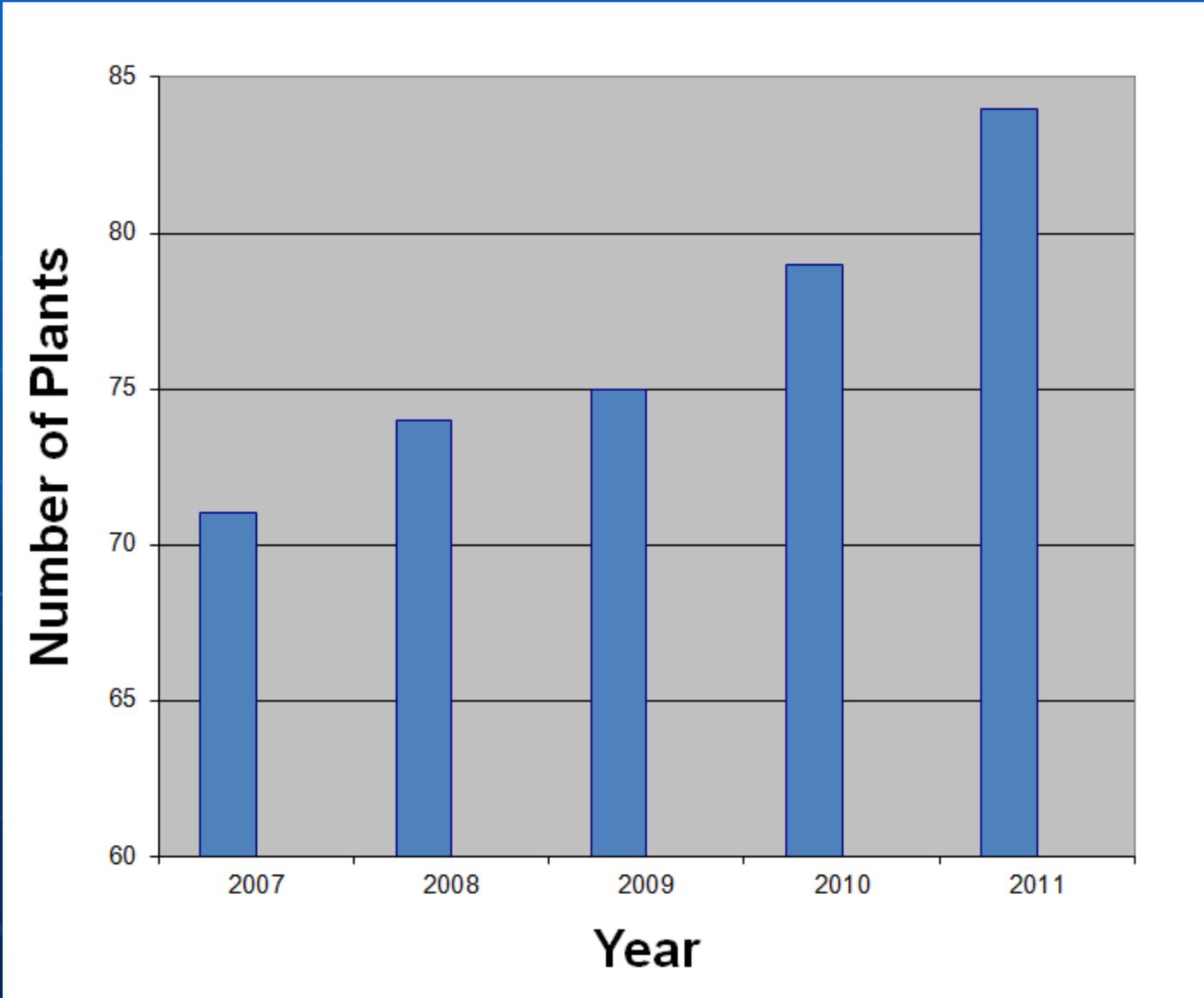
- Milk processing plants are required to be inspected at least twice per year by MDARD dairy inspectors
- 120 pasteurizers are tested four times per year by MDARD
- Almost 6,000 dairy product samples are taken by MDARD and tested at MDARD laboratory

MDARD Dairy Inspection Responsibilities

Processing Inspections

- MDARD dairy inspectors are part of a team that assists new dairy processors and existing processors who are expanding
- MDARD dairy inspectors help industry implement new technology and new processes – extended processing times

Michigan Dairy Processing Plants



Processing Inspections



Large-scale
Processing



Smaller-scale,
on-farm
Processing



Processing Inspections



Milk tank truck
inspection



MDARD Milk
Sample Audit

Processing Inspections

Dairy Plant Receiving Bay



Dairy Plant Milk Tanker Sampling



Drug Residue Testing

Processing Inspections



Pasteurizer
Recording
Chart



High Temp/Short Time Pasteurizer

Processing Inspections



Ice Cream Freezer

Cheese Vat



Inspections Conducted by MDARD Dairy Staff in FY 2010

- 5,499 Farm inspections
- 232 Milk Processing Plant Inspections
- 843 Hauler/Sampler/Tanker inspections
- 542 Pasteurization System Evaluations
- 20 USDA Surveys
- 7,136 Total Inspections

Other Duties Performed by MDARD Dairy Inspectors in FY 2010

- 90 Grade A Surveys Conducted to enable interstate milk shipments
- 98 Industry Milk Analysts Evaluated
- 25 Industry Drug Residue Screening Sites Evaluated
- 26 Consumer Complaints Investigated

Enforcement Actions Taken by MDARD Dairy Inspectors in FY2010

- 1,442,294 pounds of contaminated milk removed from commerce
- 91 Permit Suspensions
- \$11,380 in administrative fines collected
- 9 product seizures
- 12 Informal Hearings/Compliance Reviews

Dairy Inspection Program

- The federal Pasteurized Milk Ordinance requires that Grade A farms be inspected at least once every 6 months
- Failure to conduct the required dairy farm inspections would mean that milk produced in Michigan could not be sold in interstate commerce or to most Grade A plants in Michigan

Certified Industry Dairy Farm Inspection Program

- The Pasteurized Milk Ordinance (PMO) provides for Certified Industry Dairy Farm Inspection Program
- Enables Certified Industry Field Representatives to conduct dairy farm inspections in place of regulatory inspections normally conducted by MDARD
- MDARD maintains oversight and conducts audits of industry inspections

Certified Industry Dairy Farm Inspection Program

- Implemented December 2010 because of MDARD dairy inspector retirements
- Effective June 1, 2011, 90% of dairy farms inspected by industry
- MDARD hired 3 dairy inspectors October 17, 2011 -- being trained now
- MDARD currently has 15 dairy inspectors
- Once new inspectors are trained, MDARD will inspect 77% of farms, industry will inspect 23% of farms



Questions?



www.michigan.gov/mdard