

# DAIRY NUTRIENT MANAGEMENT PROGRAM



Source: Whatcom Conservation District

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Yakima GWMA  
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Washington  
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Agriculture

## Dairies Must

### • Dairy Nutrient Management Act - 90.64 RCW (DNMA)

- All dairies required to
  - register with program
  - develop a nutrient management plans (NMP) that is approved and certified by local conservation district
  - Operate in way that there is not a discharge to waters of the state
  - Maintain records that show agronomic applications of all nutrients

## All other AFOs Must

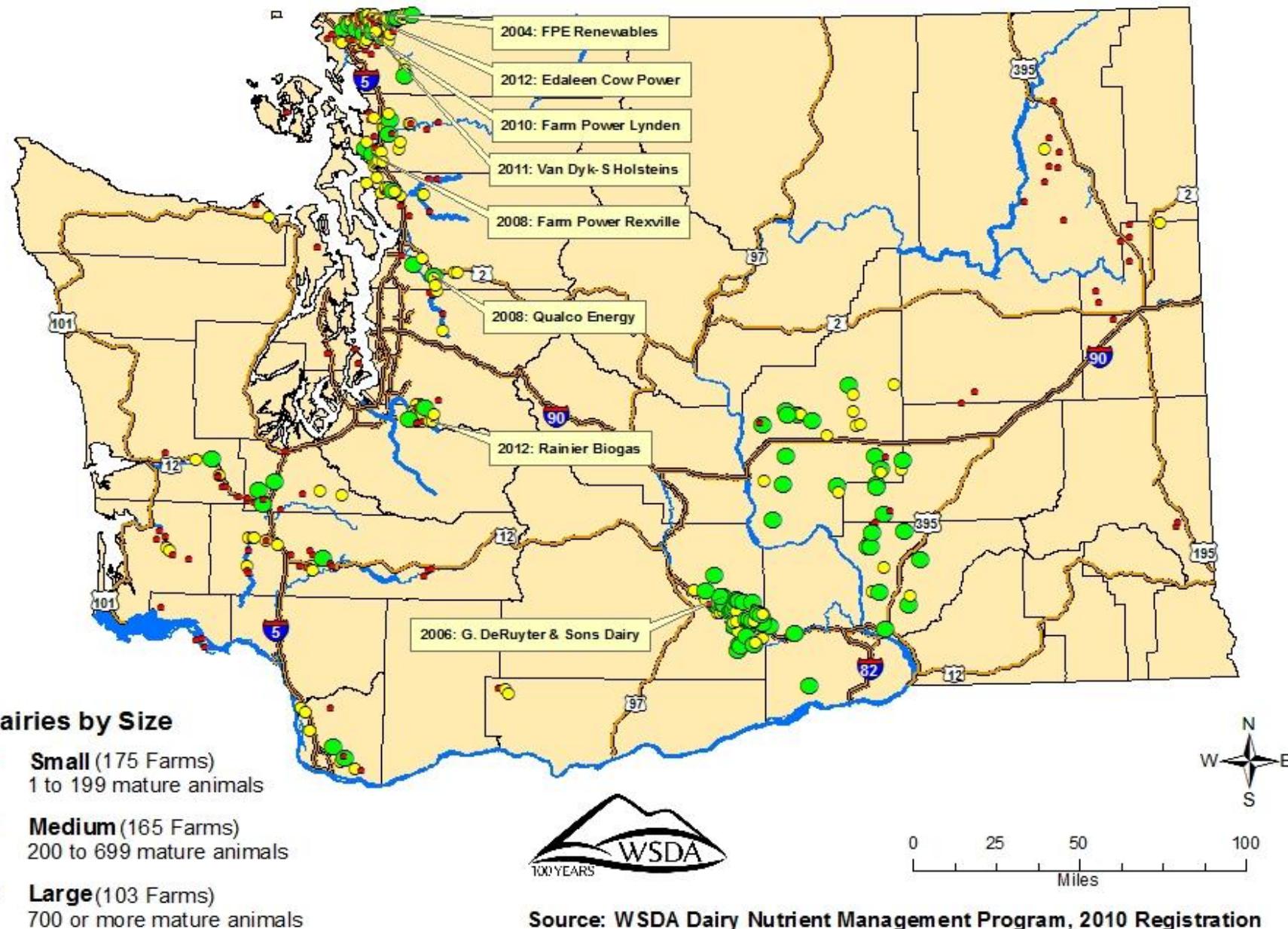
- Water Pollution Control Act - 90.48 RCW
- All animal feeding operations (AFOs) required to
  - Operate in way that there is not a discharge to waters of the state

## Program must

- **Dairy Nutrient Management Act - 90.64 RCW (DNMA)**

- Program includes an inspection program to
  - Survey for evidence of violations;
  - Identify corrective actions for actual or imminent discharges that violate or could violate the state's water quality standards;
  - Monitor the development and implementation of dairy nutrient management plans; and
  - Identify dairy producers who would benefit from technical assistance programs.

# Washington Cow Dairies and Digesters, December 2012



# Animals/Acres/Exports

	Mature Animals	Total Acres	Export off farm	Dairy Soil N Acres Acceptable	Dairy Soil N Acres Needs Attention
Statewide - 416 Dairies	269,246	168,073	44%	96.8%	3.2%
Yakima – 69 Dairies	103,089	28,743	85%	88.1%	11.9%

# Statewide compliance 2004-13

Inspections 2519 routine, 1698 other inc 269 investigations

Discharges 72

Potential to pollute 534

- **Land Applications: field conditions and outside NMP**

Discharges – 25 (4 penalties, 2 orders, 19 notice of corrections)

Potential to pollute – 103 (3 orders, 22 notice of corrections, 78 warning letters)

- **Land Applications: nutrient balance, recordkeeping**

Discharges –

Potential to pollute – 232 (1 penalty, 2 orders, 18 notice of corrections, 211 warning letters)

- **Collection, conveyance and storage of manure**

Discharges – 45 (13 penalties, 7 orders, 23 notice of corrections)

Potential to pollute – 164 (31 notice of corrections, 133 warning letters)

# Yakima compliance 2004-13

Inspections 395 routine, 151 other inc 54 investigations

Discharges 3

Potential to pollute 98

- **Land Applications: field conditions and outside NMP**

Discharges – 2 (1 notice of correction, 1 ECY took the lead)

Potential to pollute – 14 (4 notice of corrections, 10 warning letters)

- **Land Applications: nutrient balance, recordkeeping**

Discharges –

Potential to pollute – 55 (2 penalty, 3 notice of corrections, 50 warning letters)

- **Collection, conveyance and storage of manure**

Discharges – 1 (1 notice of correction)

Potential to pollute – 19 (7 notice of corrections, 12 warning letters)

# Authorities

Livestock/Manure	Routine Inspections	Complaint Responses	Informal Enforcement	Formal Enforcement	CAFO Permit Administration
<b>Non-permitted dairies</b> WSDA Lead, Chapter 90.64 RCW	WSDA	WSDA	WSDA	WSDA <i>If discharge, coordinate per MOU</i>	Ecology <i>Determines if permit is required per MOU</i>
<b>Permitted CAFOs, dairy and non-dairy</b> Ecology Lead, Chapter 90.48 RCW	WSDA <i>Established by MOU</i>	WSDA <i>Established by MOU</i>	WSDA <i>Coordinated per MOU</i>	Ecology/WSDA <i>Coordinate per MOU</i>	Ecology <i>WSDA assists per MOU</i>
<b>Non-permitted other AFOs and CAFOs</b> Ecology Lead, Chapter 90.48 RCW	N/A	Ecology	Ecology	Ecology	Ecology
<b>Non-AFOs - Pasture, Rangeland or Small Livestock</b> Ecology Lead, Chapter 90.48 RCW	N/A	Ecology	Ecology	Ecology	N/A
<b>Manure complaints</b> when the responsible party is uncertain WSDA lead for initial response and to determine if dairy is responsible per MOU	WSDA will handle follow up if dairy is responsible Ecology may handle follow up with any non-dairy party				

# Partners

- INTERNAL (WSDA)

- Food Safety Program
- Natural Resource Assessment Section
- Organic Program
- Pesticide Division

- DAIRIES

- PUBLIC

- Indian Nations
- Washington Dairy Federation
- Dairy Products Commission
- Anaerobic digester facilities
- Local watershed groups
- Shellfish growers
- Environmental organizations

- EXTERNAL

- Environmental Protection Agency (EPA)
- USDA NRCS
- Department of Ecology
- Conservation Commission
- Washington State University Extension/Sustainability Center
- Department of Health
- Conservation Districts
- Local Health Departments
- Local Shellfish Protection Districts

# Any Questions?



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