

DAIRY NUTRIENT MANAGEMENT PROGRAM



Source: Whatcom Conservation District

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Yakima GWMA
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Washington
State Department of
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

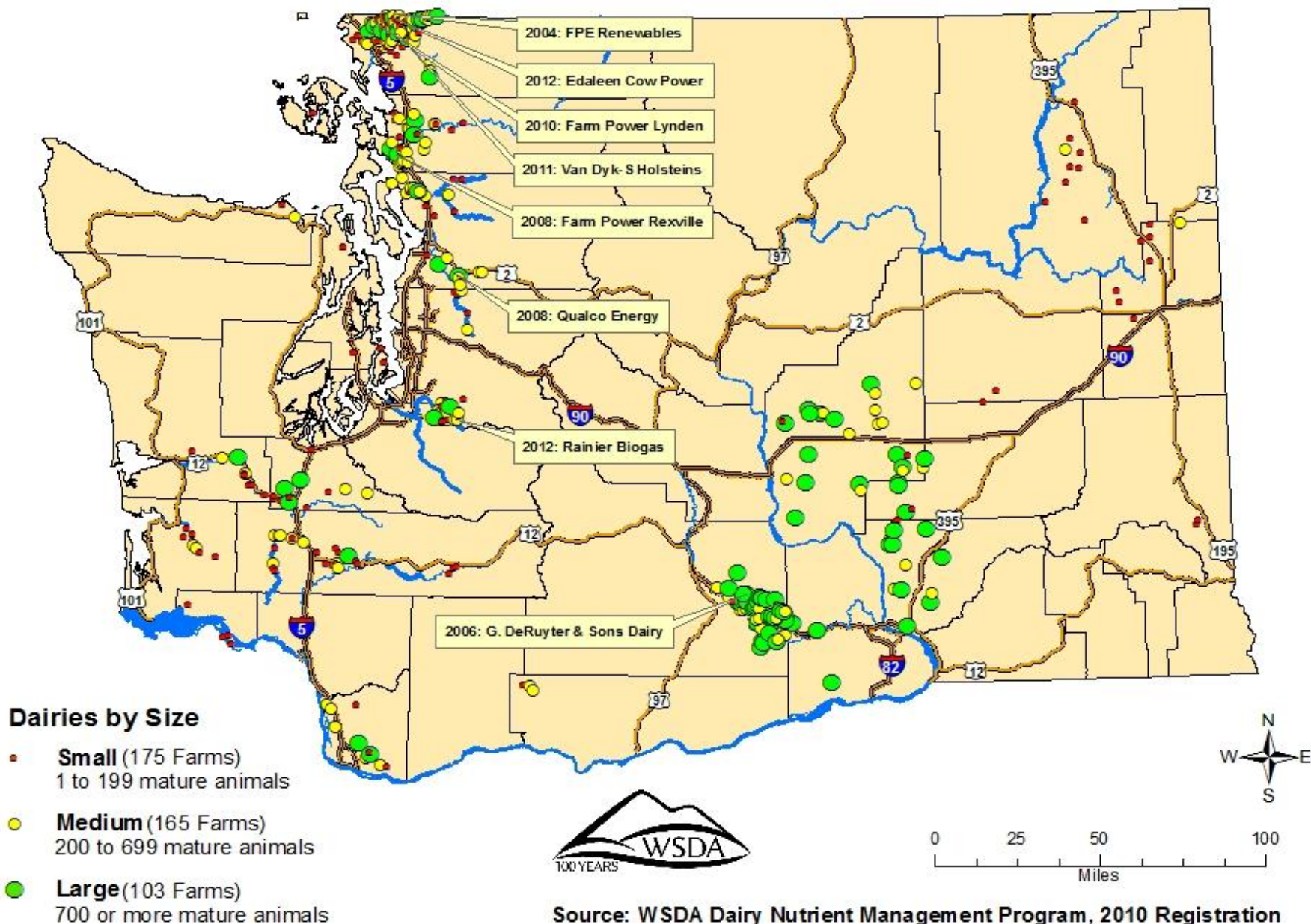
All other AFOs Must

- 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
Non-permitted dairies <i>WSDA Lead, Chapter 90.64 RCW</i>	WSDA	WSDA	WSDA	WSDA <i>If discharge, coordinate per MOU</i>	Ecology <i>Determines if permit is required per MOU</i>
Permitted CAFOs, dairy and non-dairy <i>Ecology Lead, Chapter 90.48 RCW</i>	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>
Non-permitted other AFOs and CAFOs <i>Ecology Lead, Chapter 90.48 RCW</i>	N/A	Ecology	Ecology	Ecology	Ecology
Non-AFOs - Pasture, Rangeland or Small Livestock <i>Ecology Lead, Chapter 90.48 RCW</i>	N/A	Ecology	Ecology	Ecology	N/A
Manure complaints when the responsible party is uncertain <i>WSDA lead for initial response and to determine if dairy is responsible per MOU</i>	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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