



Washington
State Department of
Agriculture

MANURE MANAGEMENT

Taking these **SMART** steps will help you manage manure to meet crop needs and avoid discharges to water while you:

- Improve soil health
- Save money by reducing costs
- Increase crop yield

S

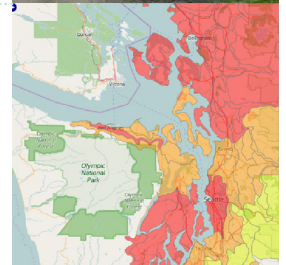
Select your field for application of nutrients. Consider the slope, size and setbacks for areas with run-off potential.



M

Manure Spreading Advisory. Minimize your risk of losing nutrients and polluting local waterways by checking the weather map to see if it is safe to spread manure.

www.wadairyplan.org/MSA



A

Application Risk Management (ARM). Use an ARM worksheet to see if your field can absorb nutrients and if it will benefit your crop yield. Is it good agronomy?

www.wadairyplan.org/ARM



R

Rate of application and recordkeeping. Choose the right amount to meet crop needs, and avoid a discharge. Record the type and amount, time and weather of nutrient applications.

www.odark.org



T

Timing is everything! What's the weather forecast? Temperature and rain can mean the difference between application success or lost nutrients and failed water quality.

www.weather.wsu.edu



For more resources visit your local Conservation District, the WSDA website or contact us. We are here to help you succeed!

www.agr.wa.gov

For technical or compliance assistance call:
(360) 902-1928

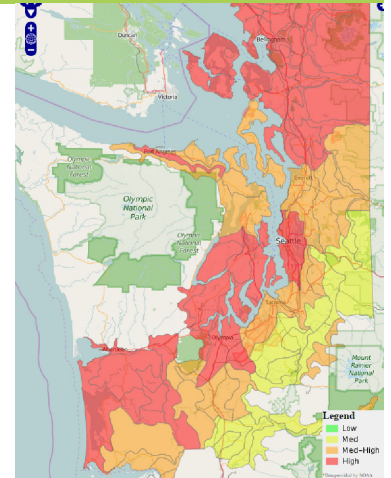
SMART Support

Dairy producers, and crop and livestock farmers are stewards for their industries. Their livelihoods depend on the lands on which they work and live. WSDA aims to provide producers the tools and guidance that support the industry while safeguarding the environment. Designed for producers, these tools can help you comply with the law and determine the best use of your manure nutrients.

Manure Spreading Advisory (MSA):

Guidance on when to apply manure.

- Where: www.wadairyplan.org/MSA or Search: WA Dairy Plan MSA
- What: An interactive color-coded map, with risk ratings and setback guidance.
- Why: Gives you both 24 and 72 hour rain forecasts for your area, indicating if the risk of applying manure is low, medium or high.
***Tip:** print and keep as part of your records!



Application Risk Management (ARM):

To get the most from your dairy nutrients for maximum crop uptake and minimal nutrient loss.

- Where: www.wadairyplan.org/ARM or Search: WA Dairy Plan ARM
- What: Twelve questions specific to your fields help determine the best day to apply nutrients.
- Why: Cost benefit of proper nutrient use, plus saves you time and resources while reducing the run-off risk.
***Tip:** print and keep as part of your records!

ARM Worksheet

Please fill out this form prior to every manure application event, particularly from October through February. From October through February, you must send notice of this form to WCCD. That allows WCCD to verify that you've gone through the appropriate steps to ensure that you will not have a runoff event during a high risk time of

Dairy Farm Name

County Name

Select one

Application Date

Date you want to apply: You must do this evaluation no more than 24 hours prior to application.

2/9/2016

Field Name or Unit

Do a separate evaluation for each field or management unit.

Enter the field name/number you want

24 hour Precipitation (inches)

Link to MSA precipitation

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Risk Rating: Low

Records via “Online Decision Making and Record Keeping” (ODARK):

Computer-based records management that, along with soil testing, meets state requirements.

- Where: www.odark.org or Search: Access ODARK (Create a user name and begin entering your field and nutrient information.)
- What: A database to store your records with tools to identify the right time, source, amount and place to apply nutrients.
- Why: Risk management and records -- everything in one place!

Retain 5 years of records as required by the Dairy Nutrient Management Act (RCW 90.64)

Recordkeeping requirements detailed in WAC 16-611-020

If you have questions about recordkeeping requirements, please contact your regional inspector:

- Southwest Region: (360) 902-1928
- Northwest Region: (360) 354-7421
- Eastern Region: (509) 969-7140
- Puget Sound Region: (360) 202-3257

For additional resources, visit your local Conservation District, the WSDA website (www.agr.wa.gov) or contact us for technical or compliance assistance (360) 902-1928

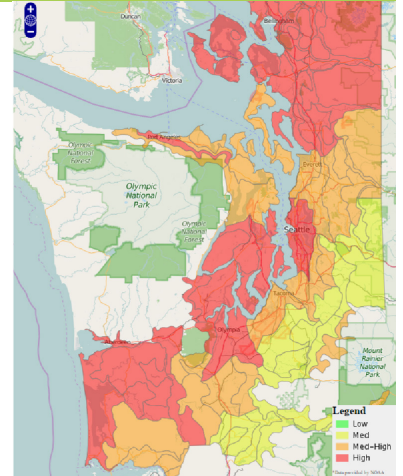
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