

NUTRIENT MANAGEMENT RECORDKEEPING CALENDAR

2022

Photo by Harder Ranch



REACH OUT WITH ANY OF YOUR MANURE MANAGEMENT QUESTIONS!

Columbia Basin Conservation District

columbiabasincd.org | (509) 765-9618

National Resources Conservation Service

Ephrata Field Office | (509) 754-2463

Washington State Department of Agriculture

(360) 890-5016

WSU Animal Sciences Regional Specialist

(509) 766-3181

Washington Department of Ecology

Central Region Office | (509) 575-2490

This Nutrient Management Recordkeeping Calendar was developed by and is a product of the Columbia Basin Conservation District. We thank the Clark Conservation District and the University of Nebraska–Lincoln for their guidance and support in helping us create this resource. We also thank the Washington State Conservation Commission, through the Climate Commitment Act via the Sustainable Farms and Fields program, for providing funding.

RECORDS FOR NUTRIENT MANAGEMENT

Farm Name: _____

ID Type: ☐ Farm and Tract # ☐ Contract ID ☐ CPDS # ☐ Operation Name ☐ Other: _____

General Directions

- Record the initials of the person performing the inspection each time (see table below for initial codes).
- Checkmarks will not satisfy the recordkeeping requirements.
- Record any maintenance and/or repairs.

Daily Records and Inspections

- Inspect all waterlines (drinking and cooling) within the drainage area..
- Collect carcasses and properly dispose of them within 36 hours.
- Note any rainfall or weather conditions.

Weekly Records and Inspections

- Before use, inspect any equipment used for land application of manure and/or wastewater.
- Inspect your waste storage facilities
- Inspect all stormwater and runoff diversion devices used to channel contaminated stormwater to storage structures.

Monthly Records and Inspections

- Inspect facilities used for the disposal of carcasses. Include composting facilities, containers, and recent burial sites in the inspection.
- Do NOT dispose of carcasses in any liquid manure or process wastewater system.

Yearly Records, Inspections, Sample Collection, and Analysis

- Annual manure analysis for exported manure.
- Collect soil samples every year in the spring and total nitrogen (N) and organic N in the fall.
- Take a basic soil test in the spring prior to manure application.

Name	Initials

Name	Initials


Name	Initials

Name	Initials

Additional information and space for records is provided on the back page.

Disclaimer: The information in this calendar should assist producers to meet legal requirements and protect environmentally sensitive areas around their operations. The use of this calendar and accompanying information is intended to serve as a guide and does not guarantee compliance with the Washington rules and regulations.

JANUARY 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____					1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:	15 Rainfall: Wind: Weather: Animal#/Field:	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	18 Rainfall: Wind: Weather: Animal#/Field:	19 Rainfall: Wind: Weather: Animal#/Field:	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:	31 Rainfall: Wind: Weather: Animal#/Field:
EMERGENCY CONTACTS 9-1-1 Vet Number: _____ Heavy Equipment*: _____ Renderer: _____ Other: _____ *Know who to call for help to contain a manure spill!			 <p>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</p> <p>Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</p>				

MANURE & WASTEWATER APPLIED

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name & address along with a written statement that manure/wastewater must not enter waters of the state & the nutrient analysis must be provided to the recipient.

Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____
Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____

ANNUAL REPORTS & FEES

For those with National Pollutant Discharge Elimination System (NPDES) permits, March 1 is the deadline for Annual Reports & Fees to be submitted to the Washington State Department of Ecology.

- Reports should include:
- Maximum number of livestock
 - Amount of manure generated
 - Transferred manure
 - Land application area and contact person
 - Discharge summary
 - Nutrient management plan statement
 - Land application nutrient calculations and supporting data

For more information, see ecology.wa.gov/water-shorelines/water-quality/water-quality-permits



JANUARY TO-DO LIST

- ☐ Restrict livestock from wet pastures and surface water.
- ☐ Collect manure and cover it.
- ☐ Maintain gutters and downspouts on all buildings adjacent to animal areas.
- ☐ Hang nest boxes for birds and mason bees. Make sure birds have water available during freezes.
- ☐ Make sure livestock watering facilities stay unfrozen.

FEBRUARY 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>Monthly Inspections</div> <div>Mortality Management System _____</div> <div>Date _____</div> <div>Notes _____</div>	1	2	3	4	5	6	7
<div>Weekly Inspections</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div>	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:
	8	9	10	11	12	13	14
	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:	Rainfall: Wind: Weather: Animal#/Field:
	15	16	17	18	19	20	21
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22	23	24	25	26	27	28	
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<div>BE A GOOD NEIGHBOR</div> <div>When stockpiling manure, consider distance to neighbors and wind direction. Stay at least 100 feet from wells and surface water.</div> <div></div>			<div></div>	<div>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</div> <div>Washington Emergency Management Division: (800) 258-5990</div> <div>Dept of Ecology Eastern Regional Office: (509) 329-3400</div> <div>WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</div>			

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Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

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Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

FEBRUARY TO-DO LIST

- ☐ Check your manure temperature. Is it composting?
- ☐ Sample soils to see what nutrients your pasture or fields will need later in the spring.
- ☐ If stored manure needs to be exported off-farm, make arrangements this month.
- ☐ Pull weeds while they’re young.

STOCKPILE LOCATIONS

Date Piled	Field ID and Location	Date Spread

MARCH 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____	1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:
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Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:	31 Rainfall: Wind: Weather: Animal#/Field:	 In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487			
WHEN WORKING WITH MANURE: Be aware. Be safe. Be smart. Lethal gases can accumulate in manure tanks and storages. Never enter a manure tank or pit without proper training, equipment, and support personnel. Methane gas trapped in stored manure can ignite. If foam forms in a manure storage, evacuate, ventilate, and deactivate ignition sources. Install guardrails or fences around manure storages to prevent accidental entry.							

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Recipients Name & Address_____

Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

BEST MANAGEMENT PRACTICES TO PROTECT GROUNDWATER FROM MANURE

Animal manure has a significant amount of nitrogen and phosphorus. Manure storage should be checked frequently to make sure there are no signs of leaks or deterioration. If there are leaks or deterioration in the storage facility, they should be fixed immediately in order to prevent excess manure from escaping.



Soil Sampling

Field ID & Location	Sample Depth	Date of Collection	Field ID & Location	Sample Depth	Date of Collection

MARCH To-Do LIST

- ☐ Take sample of manure.
- ☐ Plant native plants.
- ☐ Restrict livestock access to surface water, well, and septic drain fields.
- ☐ Cut or mow weeds when buds appear.
- ☐ Protect your saturated soils to reduce rutting and compaction from driving on fields and turning out livestock.

APRIL 2026

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<div>Weekly Inspections</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div>	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:
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<div>MANURE SAMPLING GUIDELINES</div> <div>A composite sample requires taking multiple samples from the same source and combining them. To accurately represent on-farm nutrients, take multiple samples, mix well, and send a portion for laboratory analysis.</div> <div>Learn more here: agr.wa.gov/departments/land-and-water/livestock-nutrients/manure-sampling</div> <div></div>			<div></div>	<div>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</div> <div>Washington Emergency Management Division: (800) 258-5990</div> <div>Dept of Ecology Eastern Regional Office: (509) 329-3400</div> <div>WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</div>			

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Manure Volume/Weight _____ Date _____

Recipients Name & Address _____

Analysis Number _____

Manure Volume/Weight _____ Date _____

Recipients Name & Address _____

Analysis Number _____

MANURE AND WASTEWATER SAMPLING

Sampling Location	Sampling Details	Date of Collection

CALCULATING THE VALUE OF MANURE

Nutrient value and the ability to offset commercial nutrient costs are relatively easy to put a dollar value on, but some of manure's valuable assets that aren't so easy to put a number on. Nebraska Extension provides a Manure Value Calculator, available at go.unl.edu/manurevalue, to calculate the dollar value of manure nutrients and estimate potential yield increases.




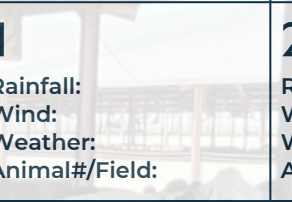
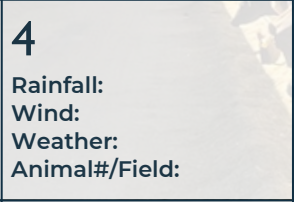

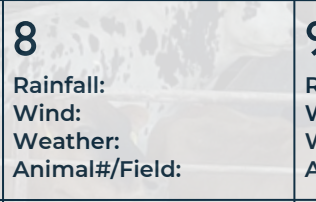
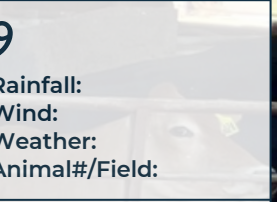


For more information, see go.unl.edu/manurevalue



APRIL TO-DO LIST

- ☐ Soil test for nitrogen, phosphorus, and potassium (NPK). Make copies of manure tests for recipient(s).
- ☐ Apply manure or spread compost if soil is not saturated. Apply 35% of total recommended by soil tests.
- ☐ Reseed or over-seed pastures.
- ☐ Pull weeds while they're young.
- ☐ Prepare and start grazing if the soil is no longer saturated and the grass height is at least 6 inches.

MAY 2026

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WANT MORE DETAILS ON HOW TO MANAGE YOUR PASTURE? The WSU Pasture Management Calendar teaches you the science behind pasture management decisions and timing of critical actions.  Learn more here: extension.wsu.edu/ wam/western-washington-and-oregon-pasture- management-calendar-debuts	31 Rainfall: Wind: Weather: Animal#/Field:	 In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487					

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Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.





CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required

MAY TO-DO LIST

- ☐ Spread manure.
- ☐ Rotate pastures when grass height is down to 3 inches, and don't allow back until grass height is 6 inches.
- ☐ Drag/harrow pastures to spread manure piles out.
- ☐ Apply 35% of fertilizer requirements.

JUNE 2026

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Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	7 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	8 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	9 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	10 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	11 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	12 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	13 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	14 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	15 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	16 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	17 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	18 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	19 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	20 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	21 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	22 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	23 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	24 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	25 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	26 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	27 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	28 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	29 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	30 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____				
							
HELPFUL CONVERSIONS 1 cu. ft. = 7.48 gal. 1 acre = 43,560 sq. ft. 1 acre-inch = 27,154 gal. 1 cu. yd. = 27 cu. ft. 1 lb. P = 2.29 LB. P ₂ O 1 lb. k = 1.2 LB. K ₂ O	<div>  </div> <p> In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487 </p>						
	Photo by Britton Baker, CBCD						

MANURE AND WASTEWATER APPLIED

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.

CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required


APPLICATION EQUIPMENT MAINTENANCE

Date	Equipment	Maintenance Done / Calibration Type	Manure Source & Rate

JUNE To-Do List

- ☐ Mow pastures to prevent them from going to seed.
- ☐ Avoid under-grazing. Do not allow grass to "get ahead of livestock."
- ☐ Continue weed pulling and mowing.
- ☐ Make sure wildlife has access to water.

JULY 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____				1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	12 Rainfall: Wind: Weather: Animal#/Field:	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:	15 Rainfall: Wind: Weather: Animal#/Field:	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:	18 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	19 Rainfall: Wind: Weather: Animal#/Field:	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	26 Rainfall: Wind: Weather: Animal#/Field:	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:	31 Rainfall: Wind: Weather: Animal#/Field:	
EXPAND THE APPLICATION WINDOW WITH SILAGE Silage is often the first crop harvested, allowing for early manure application and pen cleaning before winter. Plan for ideal application rates and methods to ensure effective manure use.				In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487			
							Photo by Dinah Rouleau, CBCD

MANURE AND WASTEWATER APPLIED

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Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.



CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required

JULY TO-DO LIST

- ☐ Continue to rotate, drag, and clip pastures.
- ☐ Check for erosion where livestock congregate. Move feed, water, and mineral blocks away from gates and shade to evenly distribute livestock.
- ☐ Plan for winter confinement area and footings.
- ☐ Weed control is imperative this month to keep them from going to seed.
- ☐ Leave crop residue along fence lines or in pasture corners for birds to use as winter cover and food.

AUGUST 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____							1 Rainfall: Wind: Weather: Animal#/Field:
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:
	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:	15 Rainfall: Wind: Weather: Animal#/Field:
	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:	18 Rainfall: Wind: Weather: Animal#/Field:	19 Rainfall: Wind: Weather: Animal#/Field:	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:	22 Rainfall: Wind: Weather: Animal#/Field:
	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:	29 Rainfall: Wind: Weather: Animal#/Field:
UNDERSTANDING PLANT AND ROOT GROWTH IN FALL Pasture management decisions made at this time can have big impacts on the longevity and productivity of your land.  Learn more here: extension.oregonstate.edu/crop-production/pastures-forages/pasture-management-understanding-plant-root-growth-fall	30 Rainfall: Wind: Weather: Animal#/Field:	31 Rainfall: Wind: Weather: Animal#/Field:	 In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487				

MANURE AND WASTEWATER APPLIED

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____
Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.

CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required



FIELDS WITH SETBACKS

Field ID & Location	Area of Setback

AUGUST TO-DO LIST

- ☐ Avoid overgrazing this month when pasture production slows.
- ☐ Check for erosion. Do not feed animals hay or grain on the ground especially this month when soil is dry. They will create bare spots where weeds will invade. Horses can also get sand colic from ingesting dirt in their feed.
- ☐ Plan for reseeding. Order seed, lime, and fertilizer and reserve equipment now to avoid the September rush.
- ☐ Prepare winter manure storage bins.
- ☐ Make sure wildlife has access to water. Put out elevated shallow trays for birds.

SEPTEMBER 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____			1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:	15 Rainfall: Wind: Weather: Animal#/Field:	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:	18 Rainfall: Wind: Weather: Animal#/Field:	19 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:			
SPREAD MANURE IN A TIMELY FASHION Use stockpiled manure as soon as possible. Nutrients (and manure value) will be lost over time. 				In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days. Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487			
							Photo by Dinah Rouleau, CBCD

Manure and Wastewater Applied

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

Manure Sold or Given Away

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____
Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____

Crops Harvested - Nutrients Removed

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.

Crop Nutrient Needs for Next Year

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required




Manure & Wastewater Sampling

Sampling Location	Sampling Details	Date of Collection

September To-Do List

- ☐ Drag pastures before winter to distribute manure before rains.
- ☐ Apply remaining 25% of annual pasture fertilizer needs.
- ☐ Reseed in mid to late month. Check for trees with falling leaves that may be toxic. Common trees poisonous to livestock are yew, black locust, cherry, horse chestnut, red maple, and oak.
- ☐ Cut blackberries now to prevent nutrient storage in the roots.
- ☐ Leave crop residues in the garden for wildlife.

OCTOBER 2026

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Monthly Inspections Mortality Management System _____ Date _____ Notes _____				1 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____		2 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	3 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____				4 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	5 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	6 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	7 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	11 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	12 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	13 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	14 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	15 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	16 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	17 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	18 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	19 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	20 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	21 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	22 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	23 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	24 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices _____ Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	25 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	26 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	27 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	28 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	29 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	30 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____	31 Rainfall: _____ Wind: _____ Weather: _____ Animal#/Field: _____
SOIL SAMPLING FOR BETTER FERTILIZATION DECISIONS Soil sampling and testing are essential to determine soil properties and fertility levels to make good management decisions about fertilizer, manure, and lime application rates.						<p>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</p> <p>Washington Emergency Management Division: (800) 258-5990</p> <p>Dept of Ecology Eastern Regional Office: (509) 329-3400</p> <p>WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</p>	

MANURE AND WASTEWATER APPLIED

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

Field ID & Location _____ Acres Applied_____ Date_____

Manure Source_____ Application Method_____

Number of Spreader Loads_____ Available N/acre*_____ Applied P_____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

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Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

Crop removal rates can be found at the back of this publication.

CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required


SOIL SAMPLING

Field ID & Location	Sample Depth	Date of Collection	Field ID & Location	Sample Depth	Date of Collection

OCTOBER TO-DO LIST

- ☐ Restrict livestock from pastures when soil is saturated. Prevent nutrient runoff from manure into surface water a vegetated buffer.
- ☐ Install or check existing gutters and downspouts on building adjacent to livestock holding facilities.
- ☐ Cover stored manure. Gather outside manure at least twice a week to prevent nutrient runoff. Store undercover at least 100 feet from any well, stream, and/or wetland to prevent water contamination.
- ☐ Fall Nitrogen test. Check and maintain winter holding areas and/or paddocks.

NOVEMBER 2026

Monthly Inspections Mortality Management System _____ Date _____ Notes _____	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Weekly Inspections Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____ Manure Storage & Equip. Inspection _____ Notes _____ Date _____ Water & Runoff Diversion, Containment Devices Notes _____ Date _____ Maintenance or Repairs _____ Date _____ Notes _____	1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:
	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:
	15 Rainfall: Wind: Weather: Animal#/Field:	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:	18 Rainfall: Wind: Weather: Animal#/Field:	19 Rainfall: Wind: Weather: Animal#/Field:	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:
	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:
	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:					
LIQUID MANURE SPREADER CALIBRATION What you'll need: - 3 small plastic rain gauges - Tape measure What you'll do: 1. Insert a rain gauge in ground along the applicator's center line. 2. Measure 10 feet on either side of the first gauge and insert two remaining gauges. 3. Apply manure across all the gauges. 4. Record the depth of manure applied. 5. Calculate average depths from step 4. Multiply the average depth by 27,000 to convert to gallons/acre of manure applied.			 <p>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</p> <p>Washington Emergency Management Division: (800) 258-5990 Dept of Ecology Eastern Regional Office: (509) 329-3400 WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</p>				

MANURE AND WASTEWATER APPLIED

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Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____
Manure Source _____ Application Method _____
Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

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Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____
Manure Volume/Weight _____ Date _____
Recipients Name & Address _____
Analysis Number _____

WHAT GOES IN, MUST COME OUT

Knowing the requirements of the animal you are feeding can improve your ability to feed the animal the correct amount of nutrients, thus decreasing the amount of nutrients in the manure. Overfeeding of protein and phosphorus is an added cost and increases the quantity of manure to manage.

For more information, see puyallup.wsu.edu/inm/publications



NOVEMBER TO-DO LIST

- ☐ Restrict livestock from pastures when soil is saturated.
- ☐ Store manure covered.
- ☐ Check and maintain winter holding areas and/or paddocks.
- ☐ Maintain gutters and downspouts on all buildings adjacent to animal areas.
- ☐ Pile fallen limbs and branches from winter storms to create brush piles for wildlife habitat.



Photo by Harder Ranch

DECEMBER 2026


<div>Monthly Inspections</div> <div>Mortality Management System _____</div> <div>Date _____</div> <div>Notes _____</div>	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
<div>Weekly Inspections</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div> <div>Manure Storage & Equip. Inspection _____</div> <div>Notes _____ Date _____</div> <div>Water & Runoff Diversion, Containment Devices</div> <div>Notes _____ Date _____</div> <div>Maintenance or Repairs _____ Date _____</div> <div>Notes _____</div>			1 Rainfall: Wind: Weather: Animal#/Field:	2 Rainfall: Wind: Weather: Animal#/Field:	3 Rainfall: Wind: Weather: Animal#/Field:	4 Rainfall: Wind: Weather: Animal#/Field:	5 Rainfall: Wind: Weather: Animal#/Field:
	6 Rainfall: Wind: Weather: Animal#/Field:	7 Rainfall: Wind: Weather: Animal#/Field:	8 Rainfall: Wind: Weather: Animal#/Field:	9 Rainfall: Wind: Weather: Animal#/Field:	10 Rainfall: Wind: Weather: Animal#/Field:	11 Rainfall: Wind: Weather: Animal#/Field:	12 Rainfall: Wind: Weather: Animal#/Field:
	13 Rainfall: Wind: Weather: Animal#/Field:	14 Rainfall: Wind: Weather: Animal#/Field:	15 Rainfall: Wind: Weather: Animal#/Field:	16 Rainfall: Wind: Weather: Animal#/Field:	17 Rainfall: Wind: Weather: Animal#/Field:	18 Rainfall: Wind: Weather: Animal#/Field:	19 Rainfall: Wind: Weather: Animal#/Field:
	20 Rainfall: Wind: Weather: Animal#/Field:	21 Rainfall: Wind: Weather: Animal#/Field:	22 Rainfall: Wind: Weather: Animal#/Field:	23 Rainfall: Wind: Weather: Animal#/Field:	24 Rainfall: Wind: Weather: Animal#/Field:	25 Rainfall: Wind: Weather: Animal#/Field:	26 Rainfall: Wind: Weather: Animal#/Field:
	27 Rainfall: Wind: Weather: Animal#/Field:	28 Rainfall: Wind: Weather: Animal#/Field:	29 Rainfall: Wind: Weather: Animal#/Field:	30 Rainfall: Wind: Weather: Animal#/Field:	31 Rainfall: Wind: Weather: Animal#/Field:		
<div>MANURE APPLICATION AND STOCKPILE SETBACKS</div> <div>For small and medium animal feeding operations, ensure manure is applied at least 100 feet from any surface water, wells, open tile lines, etc.</div> <div>For large permitted animal feeding operations, ensure manure is applied at least 100 feet from surface water, wells, open tile lines, etc. OR a 40-foot wide vegetative buffer can be used (80-foot in winter).</div> <div>All animal feeding operations must maintain a 1000-foot setback from municipal wells.</div>				<div>In case of a spill or discharge, take immediate measures to contain the spill and contact your district's emergency contact within 24 hours. Written reports of a spill must be submitted within 5 days.</div> <div>Washington Emergency Management Division: (800) 258-5990</div> <div>Dept of Ecology Eastern Regional Office: (509) 329-3400</div> <div>WA Dept of Ag Eastern Regional Inspector: (509) 533-2487</div>			

Photo by Dinah Rouleau, CBCD

MANURE AND WASTEWATER APPLIED

Weather information for each date of application, the day prior to, and day after application should be recorded on the calendar or kept separately.

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

Field ID & Location _____ Acres Applied _____ Date _____

Manure Source _____ Application Method _____

Number of Spreader Loads _____ Available N/acre* _____ Applied P _____

*Nitrogen availability calculation worksheet can be found at the end of this publication.

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name and address along with a written statement that manure/wastewater must not enter waters of the state and the nutrient analysis must be provided to the recipient.

Manure Volume/Weight _____ Date _____

Recipients Name & Address _____

Analysis Number _____

Manure Volume/Weight _____ Date _____

Recipients Name & Address _____

Analysis Number _____

DECEMBER TO-DO LIST

- ☐ Restrict livestock from pastures when soil is saturated.
- ☐ Protect wetlands from livestock access to prevent damage to wetland functions and habitat.
- ☐ Store manure covered.
- ☐ Make sure wildlife has access to water in freezing weather.
- ☐ Check and maintain winter holding areas and/or paddocks.



Photo by Jacob Towne

RECORDS FOR WASHINGTON ANIMAL FEEDING OPERATIONS

MORE INFORMATION FOR DAIRIES AND CAFOs

Dairy nutriment management requirements:



www.wadairyplan.org/home

CAFOs nutriment management requirements:



www.ecology.wa.gov/regulations-permits/permits-certifications/concentrated-animal-feeding-operation

PHOSPHORUS INDEX

Must be completed every 5 years for all manure fields.

Date Completed	Field ID & Location	Risk Rating	Management

CALIBRATION MATTERS!

Commercial fertilizer and manure work together well, but only if you know how many nutrients you’re putting out in manure so that you can cut back some on commercial fertilizers and save that expense. Calibrating a manure spreader is one of the best tools we have for maximizing the profitability of manure by getting the most out of what we apply.

APPLICATION EQUIPMENT MAINTENANCE

Date	Equipment	Maintenance Done / Calibration Type	Manure Source & Rate

Disclaimer: The information in this calendar should assist producers to meet legal requirements and protect environmentally sensitive areas around their operations. The use of this calendar and accompanying information is intended to serve as a guide and does not guarantee compliance with the Washington rules and regulations.

CROPS HARVESTED - NUTRIENTS REMOVED

Date	Field ID & Location	Crop Type	Yield	Acreage	N Removed	P Removed

CROP NUTRIENT NEEDS FOR NEXT YEAR

Date	Field ID & Location	Crop Type	Yield	Acreage	N Required	P Required

GROUNDWATER & IRRIGATION WATER SAMPLING

Irrigation water samples must be taken and analyzed for nitrates every 5 years.

Sampling Location	Date of Collection	Results (ppm nitrate)

MANURE SOLD OR GIVEN AWAY

An information sheet containing your operation name & address along with a written statement that manure/wastewater must not enter waters of the state & the nutrient analysis must be provided to the recipient.

Manure Volume/Weight_____ Date_____

Recipients Name & Address_____

Analysis Number_____

MANURE & WASTEWATER SAMPLING

Sampling Location	Sampling Details	Date of Collection

SOIL SAMPLING

Field ID & Location	Sample Depth	Date of Collection	Field ID & Location	Sample Depth	Date of Collection

MANURE & WASTEWATER APPLIED

Crop	DM %	N	P2O5	Units	Crop	DM %	N	P2O5	Units

CROP REMOVAL RATES

Date	Field ID & Location	Vol or Weight	Acreage Applied	Manure Source	Application Method	Available N	Applied P

ADDITIONAL RESOURCES

Concentrated Animal Feeding Operation General Permit:



ecology.wa.gov/Regulations-Permits/Permits-certifications/Concentrated-animal-feeding-operation

Nutrient Management Technical Services:



agr.wa.gov/departments/land-and-water/livestock-nutrients

Inland Pacific Northwest Pasture Calendar:



pubs.extension.wsu.edu/product/inland-pacific-northwest-pasture-calendar/

Stop by the CBCD office to pick up a free copy!
903 W. 3rd Ave, Moses Lake, WA, 98837



Photo by Wade Houghton, CBCD

CROP AVAILABLE NITROGEN CALCULATIONS

N BUDGET RECORDS

	a. Site, Product, Crop & Yield Goal	b. Soil Test N, ppm	c. Planned N-rate*	d. NH ₄ N Content **	e. NH ₄ N Availability Factor	f. Available NH ₄ N (dxe)	g. Organic N Content		h. Organic N Availability Factor	i. Available Organic N (gxh)	j. N available from manure (f+i)	k. Application rate needed (c/j)	l. Actual application rate	m. Actual manure N applied	n. Commercial N applied ***	o. Irrigation N applied ***	p. Other N applied ***	q. Total N applied	r. Actual yield		
Ex.	Home 80. feedlot solids. Corn. 200 bu.	15	100	4.8	lb/ton lb/1000 gal lb/ac-in (see figure below)	0.5	2.4	16.4	lb/ton lb/1000 gal lb/ac-in (see figure below)	0.40	6.6	9	11	tons/acre 1000 gal/acre ac-in/acre	10	90	0	10	0	100	215
1					lb/ton lb/1000 gal lb/ac-in				lb/ton lb/1000 gal lb/ac-in					tons/acre 1000 gal/acre ac-in/acre							
2					lb/ton lb/1000 gal lb/ac-in				lb/ton lb/1000 gal lb/ac-in					tons/acre 1000 gal/acre ac-in/acre							
3					lb/ton lb/1000 gal lb/ac-in				lb/ton lb/1000 gal lb/ac-in					tons/acre 1000 gal/acre ac-in/acre							
4					lb/ton lb/1000 gal lb/ac-in				lb/ton lb/1000 gal lb/ac-in					tons/acre 1000 gal/acre ac-in/acre							
5					lb/ton lb/1000 gal lb/ac-in				lb/ton lb/1000 gal lb/ac-in					tons/acre 1000 gal/acre ac-in/acre							

* This number should include all sources of N in lb/acre.
** Use "as is" basis from manure analysis. Units should be selected in NH-N column and used throughout the table.
*** Actual manure application rates should be adjusted for these N applications.

FUTURE N AVAILABLE

AVAILABILITY FACTORS FOR MANURE NITROGEN

	s. Next Year (lxx0.20)	t. 2 years from now (lxx0.10)	u. 3 years from now (lxx0.05)
Ex.	33	16	8
1			
2			
3			
4			
5			

Ammonium-N (NH ₄ -N) Available this Year					
Sidedress Application		Preplant application	Solid	Liquid *	Liquid **
Incorporated	0.95	Incorporated***			
Sprinkler Irrigation		Immediately	0.95	0.95	0.95
>0.4 inches applied	0.8	One day later	0.50	0.70	0.70
≤0.4 inches applied	0.4	Two days later	0.25	0.45	0.55
		Three days later	0.15	0.25	0.45
		7+ days later	0.00	0.00	0.40
		Not incorporated	0.00	0.00	0.00
* Applied when air temp is above 50° F.					
** Applied when air temp is at or below 50° F.					
*** Incorporation can be accomplished by tillage or rainfall of one-half inch or greater.					

Organic- N Available this Year †	
Composted Feedlot Manure	0.15
Layer manure with no bedding	0.45
All other manures or stored liquids	0.40
Future Years	
Next Year	0.20
2 years from now	0.10
3 years form now	0.05
† Organic-N availability assumes spring seeded crops. For fall seeded crops multiply organic N availability factor by 0.7.	

Notes:

Notes:



Photo by Dinah Rouleau, CBCD



COLUMBIABASINCD.ORG
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Sustainable Farms and Fields is supported with funding from Washington's Climate Commitment Act. The CCA supports Washington's climate action efforts by putting cap-and-invest dollars to work reducing climate pollution, creating jobs, and improving public health. Information about the CCA is available at www.climate.wa.gov.