DEQ - Copy





WATER PROTECTION BUREAU

Agency Use
Permit No.: MTG010156
Date Rec'd 2-25-25
Amount Rec'd
Check No.
Rec'd By

FORM NOI-NMP CAFO

Notice of Intent (NOI) and Nutrient Management Plan (NMP)
Concentrated Animal Feeding Operation General Permit
MTG010000

This application form is comprised of the **NOI** (Sections 1-5) and the **NMP** (Sections 6-10). Before completing the NOI-NMP form, Concentrated Animal Feeding Operation (CAFO) operators must read the CAFO General Permit. CAFO operators are also advised to read the attached NOI-NMP instructions before completing this form. You must print or type legibly; forms that are not legible, not complete, or unsigned will be rejected. You must maintain a copy of the completed NOI-NMP form for your records.

legible, not complete, or unsigned will be re	legible, not complete, or unsigned will be rejected. You must maintain a copy of the completed NOI-NMP form for your records.					
CAFO Status and Fee						
Permit Authorization Number:	M T G 0 1 0 1 5 6					
Select Appropriate Fee:	□ New Application: \$1200 ☑ Renewal Application: \$600 □ Permit Modification: \$600					

Sections I through 5 consist of the NOI. The application form is to be completed by the owner or operator of a Concentrated Animal Feeding Operation (CAFO).

Section 1 – Facility/Site Information	
Facility Name	Golden Valley Colony
Location (Physical address or Directions)	100 Colony Lane
Nearest City or Town	Ryegate
Zip Code, County	59704 Golden Valley County
Facility Latitude, Longitude	46, 25821 , -109, 27369
Date facility began operation	4-1978
Status of Applicant	☐ Federal ☐ State ☐ No 💆 Private ☐ Other
Located on Tribal Lands?	ĭ No ☐ Yes (If yes, obtain the permit through EPA, not DEQ)
	RECEIVED FEB 2.5 2025 DEQ WATER QUALITY DIVISION

Section 2 – Representatives				
2.1 Applicant (Owner/Operator)				
The owner/operator assumes all liability for si signatory/responsible official must meet certification.				
Owner/Operator Formal Name	Golden U	alley (colony	
Mailing Address	100 Color	ry Lane		
City, State, Zip Code	Ryegate,	MT 5907	74	
Signatory/Responsible Official	Name Boy P L	wips	Title Sec / Treasurer	
Contact Information	Phone 406-568-221	C Email		
2.2 Authorized Representative				
For future reports (including NetDMR) to be individual(s) or position must be identified. designation is made in writing [ARM 17.30. Select Appropriate Box: No authorized representative for this permit I designate the following duly authorized representative.	If one is not designated, than al 1232(2)]. t is designated at this time (cont	l reports must b	e signed by the signatory until such	
Authorized Representative Information:			/_	
Authorized Representative Nam	e Ben. P 41:9	<u>+</u>	Title Sec /Treasurer	
Company Name	Golden Vall	ey Col	on y	
Mailing Address	100 Colony	Lane		
City, State, Zip Code	Ryegate, N	IT 590	Tel	
Contact Information Phor	ne 406 - 568 - 2210 E	mail		
Section 3 – Business Description				
3.1 SIC Codes and NAICS Codes				
Provide at least one Standard Industrial Classic code which best reflects the products or service	es provided by the CAFO.		lustry Classification System (NAICS)	
SIC Code Description	NAICS		Description	
(1) 213 Hogs	(1)	1/221	Hogs	
(2) 241 Dairy Far (3) 251 Broilers		12/2	Broilers	
(1) 0 0 1 1	(4)	1232	Chicken ear	
SIC Code Examples:	13		· · · · · · · · · · · · · · · · · · ·	
211 Beef Cattle Feedlots		CS Code Examp		
212 Beef Cattle, Except Feedlots		2112 Cattle Fe	tle Ranching and Farming	
213 Hogs				
214 Sheep and Goats		11221 Hog and Pig Farming 11240 Sheep Farming		
241 Dairy Farms			ttle and Milk Production	
251 Broiler, Fryer and Roaster Chicker		-	and other Meat-Type Chickens	
252 Chicken Eggs			Egg Production	
253 Turkeys and Turkey Eggs			roduction	
254 Poultry Hatcheries	111	-	Hatcheries	
259 Poultry and Eggs, not elsewhere cl	· · · · · · · · · · · · · · · · · · ·	-	ultry Production	
272 Horses and other Equines			nd other Equine Production	

3.2 F	acility or Ope	eration Description				- 1
Provid	de a brief descr ulti-sp	ription of the nature of the	facility (feedlot, stock K facility)	syard, sale barn Swine,	Poultry Dairy.	
3.3 E	xisting or Per	nding Permits, Certificati	ion, or Approvals			
□No	one			□ RCRA		_
⊠ MI	PDES C	AFO Discharg	e	☐ Other		_
□ PS	D (Air Emiss	ions)		☐ Other		
□ 40	4 Permit (Dre	dge and Fill)				
Section	on 4 – Outfall	ls				
4.1 R	Receiving Wa	ter				
receiv	ving water/dra "). Attach add	inage is unnamed, indicat	te the closest named of	lrainage it flow	e) and the name of the receiving water. If the vs into (i.e., "unnamed tributary to Clear st not be left blank, and "N/A" is not	3
	Outfall	Latitude	Longitude		Name of Receiving Water	
	001	46.2572	-109.2693) 8	ock Creek	
Section	on 5 – Charac	cteristics				
5.1 In	mpaired Wat	ers 303(d)				
https://phosp	//deq.mt.gov/vohorus). The receiving		nine if the receiving warrients		Water Act Information Center database at d for nutrients (total nitrogen and/or total	
			Continue	to Page 4		

5.2 Animal Confinement

Report the maximum number of each type of animal confined at any one time in open confinement and/or housed under a roof.

Animal type	Number in Open Confinement	Number Housed Under Roof
Mature Dairy Cows	6110	
Veal Calves	45	
Cattle including dairy Heifers	200	
Swine 55 lbs. or over		1250
Swine 55 lbs. or under		1250
Horses		,
Sheep or Lambs		
Turkeys		2500
Chicken broilers –includes juveniles		8000
Chicken layers –includes juveniles		2000 26000
Ducks		750
Other Specify:		
Other Specify:		

5.3 Rain Gage Location

0	
Identify the nearest gage station or onsite ra	in gage. Provide either the Station ID of the gage or a latitude and longitude.
Station ID	OR
Latitude, Longitude 46, 25821	, -109.27369
5.4 Containment Structures	
Were the containment structures built after by Yes. Skip the following 3 questions a ☑ No. Complete the questions and table	nd continue to the table below.
Do the livestock waste control facilities hav ☑ Yes ☐ No	re 10 feet of separation between the pond bottom and any bedrock formations?
Do the waste containment structures have 4	feet of separation from the pond bottom to any ground water?
Do the livestock waste control facilities con Ya Yes No	nply with the applicable well setbacks?
	Continue to Page 5

Identify the type of containment/storage, the total capacity with units, and the number of days of storage in each:

Type of Containment/Storage	Total Capacity	Units (gallons or tons)	Days of Storage
Anaerobic Lagoon			
Storage Pond #1	800,000	ga	180
Storage Pond #2	557,000 800,000 229,000	ga	180
Storage Pond #3	800,000	99	180
Storage Pond #4	229,000	20	180
Storage Pond #5		3	
Above Ground Storage Tank #1			
Above Ground Storage Tank #2			
Above Ground Storage Tank #3			
Underfloor Pits ISo Wear	2,000,000	ga	190
Below Ground Storage Tank	7		
Roofed Storage Shed			
Concrete Pad	252,000	C4/F+	180
Impervious Soil Pad	252,000 397,000	Cu/5+	180
Other Specify:		= = = .	
Other Specify:			

5.5 Sage Grouse Habitat

Visit the Montana Sage Grouse Habitat Conservation Program (Program)	website at https://sagegrouse.mt.gov/ to determine if
the proposed operation is located in designated sage grouse core, general,	, or connectivity habitat.

Yes. Submit an application to the Program and attach the required consultation letter.

	N T	N T	1 11.1	•	C				1
1 1	NO	NO	additional	1m	torma	tion	10	TEGULTEC	1
_	110.	TIO	auuitioliai	111.	iomia	иоп	12	requiree	1.

5.6 New Source/Operation

Is this a new source and/or operation? New sources must obtain analyses from the <u>Montana Natural Heritage Program</u> (MTNHP) and <u>Montana State Historic Preservation Office</u> (SHPO) demonstrating possible impacts to wildlife and cultural resources, respectively.

☐ Yes. Attach project review analyses from MTNHP and SHPO.

No. No additional information is required

Continue to Page 6

Sections 6 through 10 consist of the Nutrient Management Plan (NMP). These sections are intended to help CAFO operators develop a site-specific NMP required by the CAFO General Permit. Your NMP must be kept at the operation. Attach additional pages as necessary, indicating the corresponding section number on this NMP form.

Section 6 - NMP Minimum Elements

Facility Photos and Maps

Facilities must attach photos and maps depicting the following:

- The production area that shows the locations of all animal confinement structures described in the **Animal Type, Storage** Location, and Generation Rates Table.
- The flow direction of storm water and wastewater for all animal confinement structures described in the Animal Type, Storage Location, and Generation Rates Table.
- Manure and wastewater handling and storage areas
- Raw material handling and storage areas
- Storage and disposal areas of chemicals or other contaminants handled on site
- All land application areas (include topography and soil types)
- Environmentally sensitive areas (sinkholes, wells, drinking water sources, tile drain outlets, etc.) for the production area
- Illustrate the facility/activity boundaries, receiving water, and major drainage patterns
- Identify the specific location of the production area and the land application area(s)
- I have attached photos and maps (aerial and topographic) that meet the above requirements. See Original Maps

6.1 Ensure Adequate Storage Capacity

Complete the table below: Be sure to identify each type of animal confined at this facility. This could include animals of a given species, weight class, or housed for a specific purpose.

Livestock Statistics and Manure, Lit Animal Type	Number of Days/Year	1			
, , , , , , , , , , , , , , , , , , ,	Waste Storage Location	Animals at Any Time	on Site	Dry (tons/yr)	Liquid (gallons/yr)
1. Dairy All	Storage Pond System	155	365	3150	550,000
2. Cattle/heisers	open lots	200	365	600	
3. Swine 5516+	Pond system	1250	385		1,646,000
4. Turkeys	open lats	2500	150	35	
5. Chickens - Brailers	Open lots	8000	365	4	
6. Chickens - layers	lots & Anda	36000	,345	396	200,000
7. Oveks	open lots	750	120	2	
8.					
9.		÷.			
10.					
11.					

MONTANA SAGE GROUSE HABITAT CONSERVATION PROGRAM



STEVE BULLOCK, GOVERNOR

1539 ELEVENTH AVENUE

STATE OF MONTANA

PHONE: (406) 444-0554 FAX: (406) 444-6721 PO BOX 201601 HELENA, MONTANA 59620-1601

Project Number 3355 Governor's Executive Orders 12-2015 and 21-2015 GV Colony CAFO Permit Renewal

Rueben Kleinsasser 100 Colony Lane Ryegate, MT 59074

January 3, 2019

Dear Mr. Kleinsasser,

The Montana Sage Grouse Habitat Conservation Program received a request for consultation and review of your project or proposed activity on January 3, 2019. Based on the information provided, all or a portion of this project is located within General Habitat for sage grouse.

Executive Orders 12-2015 and 21-2015 set forth Montana's Sage Grouse Conservation Strategy. Montana's goal is to maintain viable sage grouse populations and conserve habitat so that Montana maintains flexibility to manage our own lands, our wildlife, and our economy and a listing under the federal Endangered Species Act is not warranted in the future.

The Program has completed its review, including:

Project Description:

Project Type: Agriculture - Land

Project Disturbance: No New Disturbance

Construction Timeframes: January 2019 to February 2019, Temporary (< 1 Year) Disturbance Timeframes: January 2019 to January 2025, Short Term (6-10 Years)

Project Location:

Legal: Township 6 North, Range 20 East, Section 19

County: Golden Valley Ownership: Private





Executive Orders 12-2015 and 21-2015 Consistency:

The project proposes to renew a livestock feeding permit in designated General Habitat for sage grouse.

The purpose of this project is to renew an existing Department of Environmental Quality permit for a Concentrated Animal Feeding Operation (CAFO) in Golden Valley County, Montana. The feedlot is located approximately 2.5 miles southwest of Ryegate, Montana.

No new activity or construction is associated with this project.

Based on the information you provided, your project is not within two miles of an active sage grouse lek.

Recommendations:

The following stipulations are taken from Montana Executive Order 12-2015. These stipulations are designed to maintain existing levels of suitable sage grouse habitat by managing uses and activities in sage grouse habitat to ensure the maintenance of sage grouse abundance and distribution in Montana. Development should be designed and managed to maintain populations and sage grouse habitats.

• Weed management is required within General Habitat for sage grouse. Reclamation of disturbed areas must include control of noxious weeds and invasive plant species, including cheatgrass (Bromus tectorum) and Japanese brome (Bromus japonicas).

Your activities are consistent with the Montana Sage Grouse Conservation Strategy. Your proposed project or activity may need to obtain additional permits or authorization from other Montana state agencies or possibly federal agencies. They are very likely to request a copy of this consultation letter, so please retain it for your records.

Please be aware that if the location or boundaries of your proposed project or activity change in the future, or if new activities are proposed within one of the designated sage grouse habitat areas, please visit https://sagegrouse.mt.gov/projects/ and submit the new information.

Thanks for your interest in sage grouse and your commitment to taking the steps necessary to ensure Montana's Sage Grouse Conservation Strategy is successful.

Sincerely,

Carolyn Sime

Montana Sage Grouse Habitat Conservation Program Manager





Describe the methods used for estimati	re, litter, and process wastewater production ng animal manure, litter, and process wastewater production resources used to calculate manure, litter, and wastewater litter	ater production. Be su	
Manure handling:			
Identify manure, litter, and process w ✓ Stored in pens ✓ Stored on stacking pad ✓ Composting on site ☐ Other	rastewater handling at the CAFO. Mark all that apply: ∠ Direct pipe to liquid impoundment Stored under floor pit □ Separator		
Frequency of manure removal from o ☑ Bi-annually ☐ Annually	confinement areas: As needed Other		
No. ☐ Yes. Explain how and where Is dry manure and/or litter stored on a ☐ No.	an impervious surface?		ed.
Waste control structures:	at your facility location. Refer to the map provided	3,0	in/hr
Provide the annual precipitation during mid-October to mid-April)	ng critical winter storage period (180 days from	7.0	in
	iversions. This is the area that is inside the BMPs sused to calculate volume required to hold the 24-of your critical storage period.	10.0	acres
correct units. Dirt // acres or fi Concrete acres or fi Paved acres	c ² (circle correct unit) c ² (circle correct unit) – check if runoff is not part of c c ² (circle correct unit) c ² (circle correct unit)		e to circle the

Use the Table below to identify and describe all production area waste control structures for the production area of each animal type identified in the table "Livestock Statistics and Manure, Litter, and Process Wastewater Generation Rates" above (Section 6.1). Waste control structures may include but are not limited to: manure lagoons, manure ponds, evaporation ponds, wastewater retention ponds, contaminated runoff retention ponds, settling basins, underground storage tanks, underfloor pits, manure solids stacking pads, vegetative treatment strips, composting facilities, and dry stack facilities. Berms, dikes, concrete curbs, ditches, and waste transfer pipelines are also waste control structures and must be listed, though some of the requested measurements may not apply.

Production Area Waste Control St	ructures Description	n		
Production area Waste Control Structure (For Corresponding Animal Type Identified in Table Above)	Volume (gal if liquid) (ft³ if dry)	Number of days of storage	Winter storage depth (ft)	The 24hr-25 yr storm event depth (ft)
1. Storage pond	800,000	180	8	10
2. Storage ponds	1.586.000	180	3	5
3. pads	265,000	180	8	8
4. Beef pens	154,000	180		.5
5. ISO-Barn Pit	2,000,000 9	365	8	NA-Inside
6.	, , ,			
7.				
8.				
9.				
10.				
11.				

11.				
	4.5			
6.2 Mortality Management				
Check the box that describes	how mortalities are disposed of at	this CAFO.		
■ Burial	☐ Landfill			
Composted	☐ Contractor removal			
☐ Incineration	Other			
Provide the location where m	ortalities are disposed of, if part of	f the production are	a:	
Compost	or pad			
6.3 Clean Water Diversion	Practices			
Check all that apply for how	clean water is diverted from the pr	oduction area.		
☑ Ditches	☑ Site grading			
🗵 Earthen berms	Gutters and spouts			
☑ Culverts	☐ Other			

6.4 Prohibiting Animals and Wastes	s from Direct Contact with State Waters
Check all that apply for how animals a	nd wastes are prohibited from direct contact with sate waters.
☑ Fencing	☑ Inside building
□ Wall	☐ Other
6.5 Chemicals and Contaminants	
pesticides, herbicides, animal dips, dis	minants handled on site as part of your CAFO operation, including, but not limited to: infectants, etc. Specify the method of disposal and location stored for each nap has been attached, as required in Section 6, Facility Photos and Maps.
None	
6.6 Conservation Practices	
production area . Be sure to include the schedule for implementation of each or descriptions. Attach additional sheets it	tructural BMPs which will be used to control runnoff of pollutants from the facility's nem on the map described above in Section 6. If BMPs are not installed, include a f the following measures. Provide details and specifications to suplement the BMP f necessary.
☑ Ditches	☑ Site grading
☐ Earthen berms	☑ Gutters and spouts
☑ Culverts and pipes	Covered Pens
☑ Buffers	Other
6.7 Sampling and Analysis Procedu	res for Manure, Litter, Process Wastewater, and Soil
Representative samples of manure, litt nitrogen and total phosphorus. Results	ter, and process wastewater must be analyzed a minimum of once per year for total should be reported in lbs/ton for solids and lbs/1000 gal for liquids. Results will be ter, and process wastewater. Indicate your method for samping. Be sure to provide a
Sample collection will occur acco	ording to CAFO General Permit Section II.D.
Other	
	Continue to Page 10

Section 7 – NMP Land Applicatio	n Control of the Cont
Identify whether manure will be lan	d applied to land that is owned, rented, or leased by the owner or operator of the facility.
□ No. Explain how animal waste process wastewater. Skip to Se	will be managed by the operation, including protocol for transfers of manure, litter, and ction 10.
Yes. Continue below.	
,	Mana
7.1 Land Application Photos and	
"None."	photos/maps clearly identify the following items. If an item is not applicable, check the box
	all planned land application areas
	r means of identifying each individual land application field
	eir locations within the individual land application field(s)
 The location of any downgradi 	
 The specific manure/waste has setbacks 	ndling or nutrient management restrictions associated with each land application field i.e.
	ate surface waters, well heads, etc.
 Any downgradient open tile lin ☑ None. Not included on n 	
 Any downgradient sinkholes None. Not included on n 	пар
 Any downgradient agricultura None. Not included on n 	al well heads
- All conduits to surface waters	•
- All temporary, permanent, and	d structural BMPs used to control runoff of pollutants from the land application area
☑ I have attached photos and maps	of the site where manure is to be applied. See attacked Map set
	nure, Litter, or Process Wastewater
Check all temporary, permanent, an	d structural BMPs which will be used to control runoff of pollutants from the CAFO's land use, include a schedule for implementation of each of these measures. You may supplement
☑ Buffers	Conservation tillage
☐ Constructed wetlands	☐ Grass Filter
☐ Infiltration field	Residue Management
Setbacks □ Other	☐ Terrance
7.3 Soil Phosphorus Sampling an	d Analysis
	apples from the top 6 inches layer of soil for each field where manure will be applied must be
analyzed for phosphorus content at	least once every three years. Analyses will be conducted by a qualified laboratory, using the d in parts per million (ppm) and will be used in determining application rates for manure,
	according to Part II.D of the CAFO General Permit.

7.4 Soil Nitrogen Sampling and Analysis
Representative composite soil samples for total nitrogen and nitrate must be collected for each field where manure will be applied. Composite samples for total nitrogen must be collected from a soil depth of 0 to 6 inches and must be analyzed at least once every 3 years. Composite samples for nitrate must be collected from a soil depth of 6 to 24 inches and must be analyzed at least once every 3 years. All samples must be analyzed according to method code 4H2al-3 in NRCS Soil Survey Laboratory Methods Manual, Soil Survey Investigation Report No. 42. Results must be reported as mg/kg total nitrogen and pounds per acre will be used in determining application rates for manure, litter, and process wastewater.
☑ Sample collection will occur according to Part II.D of the CAFO General Permit.
□ Other
Continue to Page 12

Section 8. NMP Application Rates The applicant has 2 ways in which to report how manure or process wastewater application rates can be reported to DEO. Select

one:

□ Linear Approach. Expresses rates of application as pounds of nitrogen and phosphorus. Complete Section 8.1, then continue to Section 9. See page 8 of the NOI-NMP Instructions for guidance on the Linear Approach.

Narrative Rate Approach. Expresses a narrative rate of application that results in the amount, in tons or gallons, of manure, litter, and process wastewater to be land applied. Complete Section 8.2, then continue to section 9. See page 9 of the NOI-NMP Instructions for guidance on the Narrative Rate Approach.

8.1 Linear Approach

Expresses rates of application as pounds of nitrogen and phosphorus. CAFOs selecting the linear approach to address rates of application must include in the NMP submitted to the Department the following information for each crop, field, and year covered by the NMP:

- 1. The maximum application rate (pounds/acre/year of nitrogen and phosphorus) from manure, litter, and process wastewater.
- 2. The outcome of the field-specific assessment of the potential for phosphorus transport from each field. The Department does not have an N transport risk assessment, therefore the NMP must document any basis for assuming that nitrogen will be fully used by crops. The CAFO must specify any conservation practices used in calculating the risk rating.
- 3. The crops to be planted or any other uses of a field such as pasture or fallow fields.
- 4. The realistic annual yield goal for each crop or use identified for each field.
- 5. The nitrogen and phosphorus recommendations from Department acceptable sources for each crop or use identified for each field.
- 6. Credits for all residual nitrogen in each field that will be plant available.
- 7. Consideration of multi-year phosphorus application. For any field where nutrients are applied at a rate based on the crop phosphorus requirement, the NMP must account for single-year nutrient applications that supply more than the crop's annual phosphorus requirement.
- 8. All other additions of plant available nitrogen and phosphorus (i.e., from sources other than manure, litter, or process wastewater or credits for residual nitrogen).
- 9. The form and source of manure, litter, and process wastewater to be land-applied.
- 10. The timing and method of land application. The NMP also must include storage capacities needed to ensure adequate storage that accommodates the timing indicated.
- 11. The methodology that will be used to account for the amount of nitrogen and phosphorus in the manure, litter, and wastewater to be applied.
- 12. Any other factors necessary to determine the maximum application rate identified in accordance with this Linear Approach.

Budgets completed prior to Application each year by field See Streadsheet for Natrative

Continue to Page 13

Fields Available for Land Application

Field ID	Total Acres
FC1	50.9
FC2	14.1
FC3	5.4
FC8	75.5
FC9	37
FC10	85.63
FC11	28.6
FC12	201.6
FC16	59.4
FC17	8
FC18	124.9
FC19	67.2
WC1	112.9
WC2	138.8
WC3	112.7
WC4	110.9
PIVOT 3	84.9
V1	92.6
V2	78.7
V3	26.1
B1	233.9
B4	276.9
B5	172.3
B6	176.1
В7	1578.5
B11	115.8
B12	141.1
B13	115.5
OP2	164.6
PIVOT 2	99.4
OP11	202.9

Outcome of the Field-Specific Assessment of the Potential for N and P Transport from Each Field and Maximum Amount of Nitrogen and Phosphorus Derived from All Sources

Field ID	Year	Crop	Olsen P Soil Test Results	Recommended Rate Basis	Max N Derived from all sources	Max P ₂ O ₅ Derived from all sources
			(ppm)			acre)
FC1	2024-2028	WHEAT	5	Nitrogen Needs of Crop	182	48
FC2	2024-2028	WHEAT	9	Nitrogen Needs of Crop	182	43
FC3	2024-2028	WHEAT	9	Nitrogen Needs of Crop	182	43
FC8	2024-2028	WHEAT	14	Nitrogen Needs of Crop	182	38
FC9	2024-2028	WHEAT	14	Nitrogen Needs of Crop	182	38
FC10	2024-2028	WHEAT	14	Nitrogen Needs of Crop	182	38
FC11	2024-2028	WHEAT	33	Phosphorus Needs of Crop	182	43
FC12	2024-2028	WHEAT	17	Nitrogen Needs of Crop	182	43
FC16	2024-2028	WHEAT	33	Phosphorus Needs of Crop	182	43
FC17	2024-2028	WHEAT	33	Phosphorus Needs of Crop	182	43
FC18	2024-2028	WHEAT	26	Phosphorus Needs of Crop	182	43
FC19	2024-2028	WHEAT	26	Phosphorus Needs of Crop	182	43
WC1	2024-2028	WHEAT	38	Phosphorus Needs of Crop	182	43
WC2	2024-2028	WHEAT	38	Phosphorus Needs of Crop	182	43
WC3	2024-2028	WHEAT	56	Phosphorus Needs of Crop	182	43
WC4	2024-2028	WHEAT	142	Phosphorus Needs up to Crop Removal Rate	182	43
PIVOT 3	2024-2028	WHEAT	62	Phosphorus Needs of Crop	182	43
V1	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50
V2	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50
V3	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50
B1	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50
B4	2024-2028	WHEAT	12	Nitrogen Needs of Crop	182	40
B5	2024-2028	WHEAT	22	Nitrogen Needs of Crop	182	43
В6	2024-2028	WHEAT	10	Nitrogen Needs of Crop	182	42
В7	2024-2028	WHEAT	10	Nitrogen Needs of Crop	182	42
B11	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50
B12	2024-2028	WHEAT	4	Nitrogen Needs of Crop	182	50

OP11 2024-1 R1 2024-1 R2 2024-1 R5 2024-1 R6 2024-1 R7 2024-2 R8 2024-1 B13 2024-1	4-2028 WHE 4-2028 WHE 4-2028 WHE 4-2028 WHE 4-2028 WHE	2024-2028 WHEAT 21 2024-2028 WHEAT 15 2024-2028 WHEAT 15	Nitrogen Needs of Crop Nitrogen Needs of Crop Nitrogen Needs of Crop	182 182	45
OP11 2024-1 R1 2024-1 R2 2024-1 R5 2024-1 R6 2024-1 R7 2024-2 R8 2024-1 B13 2024-1	4-2028 WHE 4-2028 WHE 4-2028 WHE 4-2028 WHE 4-2028 WHE	2024-2028 WHEAT 21 2024-2028 WHEAT 15 2024-2028 WHEAT 15	Nitrogen Needs of Crop		
R1 2024-1 R2 2024-1 R5 2024-1 R6 2024-1 R7 2024-2 R8 2024-1 B13 2024-1	4-2028 WHE 4-2028 WHE 4-2028 WHE 4-2028 WHE	2024-2028 WHEAT 15 2024-2028 WHEAT 15		182	4.7
R2 2024-2 R5 2024-2 R6 2024-2 R7 2024-2 R8 2024-2 B13 2024-2	4-2028 WHE 4-2028 WHE 4-2028 WHE	2024-2028 WHEAT 15	Nitrogen Needs of Crop		43
R5 2024-2 R6 2024-2 R7 2024-2 R8 2024-2 B13 2024-2	4-2028 WHE			182	38
R6 2024-2 R7 2024-2 R8 2024-2 B13 2024-2	4-2028 WHE		Nitrogen Needs of Crop	182	38
R7 2024-2 R8 2024-2 B13 2024-2		2024-2028 WHEAT 49	Phosphorus Needs of Crop	182	43
R8 2024-2 B13 2024-2		2024-2028 WHEAT 49	Phosphorus Needs of Crop	182	43
B13 2024-2	4-20248 WHE	2024-20248 WHEAT 49	Phosphorus Needs of Crop	182	43
	4-2028 WHE	2024-2028 WHEAT 30	Phosphorus Needs of Crop	182	43
OP2 2024-2	4-2028 WHE	2024-2028 WHEAT 4	Nitrogen Needs of Crop	182	50
	4-2028 WHE	2024-2028 WHEAT 5	Nitrogen Needs of Crop	182	48

Alternative Crops

Field	Potential Alternative	Yield Goal	N rec.	P ₂ O ₅ rec.
rieid	Crop(s)	(unit/acres)	(lbs/	acre)
ALL FIELD	BARLEY	50	80	18
ALL FIELD	PEAS	45	0	30
ALL FIELD	LENTILS	25	0	17
ALL FIELD	CORN GRAIN	190	220	114
ALL FIELD	CORN SILAGE	20T	180	176
		_		
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Methodology

Rates of application that are expressed using the narrative rate approach must include the *methodology* for calculating the amount of manure to be land applied.

In the text box below, provide the methodology that will be used to account for:

- Soil test results
- Credits for plant available nitrogen in the field
- Amount of nitrogen and phosphorus in the manure, litter, and process wastewater to be applied
- Consideration of multi-year phosphorus application
- Accounting for all other additions of plant available nitrogen and phosphorus to the field
- Form and source of manure, litter, and process wastewater
- Timing and method of land application
- Volatilization of nitrogen and mineralization of organic nitrogen

Attach additional sheets as necessary.

All applications of manure are either nitrogen- or phosphorus-based. Winter wheat is the default crop for all fields in this plan. Nitrogen is calculated based on 2.6 lbs N per bushel of target yield. A manure analysis for each source applied is completed annually. Soil tests are completed a minimum of once every 3 years for every field that receives manure. Phosphorus requirements are calculated above or below 16 ppm. Anything above 16 ppm (Table 21) was utilized; at or below 16 ppm (Table 18) was utilized.

Alternative crops will be fertilized and will receive manure based on values listed on the alternative crop tab by crop.

See the spreadsheet for fields for nitrogen- or phosphorous-based applications.

All phosphorus recommendations are based on Table 21 for alternative crops.

Starter fertilizer is the only source used for all fields receiving manure.

Manure is applied in the spring or fall before planting. Liquid is injected into the soil, and dry manure is spread using a manure spreader. volatilization is control, and mineralization is enhanced by liquid injection and/or planting incorporation.

Field identification: FC12 Year: 2024 Crop: Winter wheat

Expected Crop Yield: 70 bushels

Phosphorus index results or Phosphorus application from soil test: 17ppm

Method of Land Application: Injection Plow

When will application occur: Fall and spring application

wnen	will ap	plication occur: Fall and spring application			
		Nutrient Budget	Nitrogen-based	Phosphorus-based	Source of
			Application	Application	information
1		Crop Nutrient Needs, lbs/acre	182	43	EB-161
2	(-)	Credits from previous legume crops, or soil test lbs/ac	25	0.00	
3	(-)	Residuals from past manure production lbs/acre (if no new soil test)	0	0	
4	(-)	Nutrients from commercial fertilizer and biosolids, lbs/acre	0	0	
5	(-)	Nutrients supplied in irrigation water, lbs/acre	0	0	
6		= Additional Nutrients Needed, lbs/acre	157.00	43.40	
7		Total Nitrogen and Phosphorus in manure, lbs/ton or lbs/1000 gal (from manure test)	22	12	
8	(x)	Nutrient Availability factor, for Phosphorus based application use 1.0	0.90	1	
9		= Available Nutrients in Manure, lbs/ton or lbs/1000 gal	19.35	12.40	
	FER				DE HANDES
10		Additional Nutrients needed, lbs/acre (calculated above)	157.00	43.40	
11	(/)	Available Nutrients in Manure, lbs/ton or lbs/1000 gal (calculated above)	19.35	12.40	
12		= Manure Application Rate, tons/acre or 1000 gal/acre	8.114	3.500	

Comments

Actual application 2,000,000 on 201.6 acres for rate of 9,920 gallons per acre. this is an over application for field FC-12 will not receive any form of phos application for three years in order to budget nutrient properly.

Section 9 - NMP Phosphorus

Phosphorus Risk Assessment: The permittee shall assess the risk of phosphorus contamination of state waters. An assessment shall be conducted for each field, under the control of the operator, to which manure, litter or process wastewater will or may be applied. If a new field is added in the future, then the permittee must submit a revised (modified) NMP. The permittee has the option of using Method A or Method B (below) to complete the assessment, unless the receiving water is impaired for nutrients, then you must use method B below for phosphorus risk assessment. Copies of all tables and calculations used to complete the assessments, as well as the results of the assessments, shall be submitted to the Department and copies shall be maintained onsite at the facility and available for Departmental review. The results of the assessments shall be used to determine the appropriate basis for land application of wastes from the facility.

Indicate which method will be used to determine phosphorus application:

- Method A − Representative Soil Sample. Complete Section 9.1, then continue to Section 10.
- ☐ **Method B** Phosphorus Index. Complete Section 9.2, then continue to Section 10.

9.1 Method A – Representative Soil Sample

Obtain one or more representative soil sample(s) from the field per ARM 17.30.1334

Have the sample analyzed for phosphorus by a qualified lab. The "Olsen P test" must be used for the analysis, and the result must be reported in parts per million (ppm). Using the results of the Olsen P test, determine application basis according to the Table below.

Olsen P Soil Test Results (ppm)	Application Basis
<25.0	Nitrogen Needs of Crop
25.1 - 100.0	Phosphorus Needs of Crop
100.0 - 150.0	Phosphorus Needs up to Crop Removal Rate
>150.0	No Application allowed

Olsen P Test Result: 25.0 ppm

End of Method A. Continue to Section 10

Using the calculated Total Phosphorus Index Value, assign the overall site/field vulnerability to phosphorus loss according to the table below.

Total Phosphorus Index Value	Site Vulnerability to Phosphorus Loss
<11	Low
11-21	Medium
22-43	High
>43	Very High

Using the calculated Site Vulnerability to Phosphorus Loss, determine the appropriate application basis according to the table below

Site Vulnerability to Phosphorus Loss	Application Basis			
Low	Nitrogen Needs			
Medium	Nitrogen Needs			
High	Phosphorus Need Up to Crop Remova			
V II'.1	Phosphorus Crop Removal or No			
Very High	Application			

, or it is	Application					
Phosphorus Index Value:						
Section 10 - NMP Guidance						
Land Application Equipment Calibration Describe the type of equipment used to land apply to the type of equipment used	ordkeeping mplementation of the NMP, proper operation and maintenance of the					
Have protocols been developed for the operation?	☑ Yes □ No					
The documents below are maintained: Implementation of the NMP: Facility operation and maintenance: Recordkeeping and reporting Sample collection and analysis Manure transfer If your answer to any of the above question is no, p	Yes □ No Yes □ No □ Yes ☑ No					
Provide date and location of most recent documental Date:	ation:					
Location:						

The NOI Form certification must be completed by the applicant (owner/operator) responsible for the authorization as identified in Section C. Certification of this NOI is certification that the applicant will comply with the applicable terms of the CAFO General Permit.

Permittee Information: This form must be completed, signed, and certified as follows:

- For a corporation, by a principal officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

All Permittees Must Complete the Following Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violations. [75-5-633, MCA].

Certification of this form indicates conformance with the CAFO General Permit.

Name (Type or Print)	
Ben. P. Wiff	
Title (Type or Print)	Phone Number
See tres	406-568-2210
Signature	Date Signed
Ben & West	1-22-2024

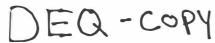
DEQ will not process this form until all the requested information is supplied, and the appropriate fees are paid.

Return this NOI-NMP-CAFO Form and the applicable fee payment to:

Department of Environmental Quality
Water Protection Bureau PO
Box 200901
Helena, MT 59620-0901
(406) 444-5546

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AOI Inventory	
Building Site Development	
Construction Materials	
Disaster Recovery Planning	
Land Classifications	
Land Management	
Recreational Development	
Sanitary Facilities	
Soil Chemical Properties	
Soil Erosion	
Soil Health	
Soil Physical Properties	
Soil Qualities and Features	
Vegetative Productivity	
Waste Management	
Water Features	
Water Management	

	Componen	

4	Golden Valley County Area, Montana							
4	Map unit symbol and name	Мар	Pct. of	Component name	Component	Po	t. slope	•
-		unit acres	map unit		kind	Low	RV	High
-	5A—Harlake silty clay, 0 to 2 percent slopes, rarely flooded	1,169						
			75	Harlake	Series	0.0	1.0	2.0
	9A—Havre loam, 0 to 2 percent slopes, rarely flooded	2,384						
\dashv			85	Havre	Series	0.0	1.0	2.0
	9B—Havre, occasionally flooded- Yamacall loams, 0 to 4 percent slopes	3,607						
4			55	Havre	Series	0.0	1.0	2.0
+			30	Yamacall	Series	0.0	2.0	4.0
-	10A—Havre loam, 0 to 2 percent slopes, occasionally flooded	1,384						
			75	Havre	Series	0.0	1.0	2.0
	11A—Havre-Glendive complex, 0 to 2 percent slopes, rarely flooded	1,910						
			50	Havre	Series	0.0	1.0	2.0
			35	Glendive	Series	0.0	1.0	2.0
	12A—Havre-Harlake complex, 0 to 2 percent slopes, occasionally flooded	3,798						
			50	Havre	Series	0.0	1.0	2.0
			30	Harlake	Series	0.0	1.0	2.0
	13A—Havre loam, calcareous, 0 to 2 percent slopes, rarely flooded	1,551						
			80	Havre, calcareous	Series	0.0	1.0	2.0
	14A—Havre, calcareous-Glendive complex, 0 to 2 percent slopes, rarely flooded	573						
			45	Havre, calcareous	Series	0.0	1.0	2.0
			30	Glendive	Series	0.0	1.0	2.0
	15A—Havre-Harlake complex, calcareous, 0 to 2 percent	1,017						

Golden Valley County Area, Monta	na					
slopes, rarely flooded					1.0	2.0
		45 Havre, calcareous	Series	0.0	1.0	2.0
		35 Harlake, calcareous	Series	0.0	1.0	2.0
16A—Havre, occasionally flooded-Yamacall loams, calcareous, 0 to 4 percent slopes	957					
		45 Havre, calcareous	Series	0.0	1.0	2.0
		35 Yamacall, calcareous	Series	0.0	2.0	4.0
21A—McKenzie silty clay, 0 to 2 percent slopes	1,686					
		85 Mckenzie	Series	0.0	1.0	2.0
22B—Nobe-Absher complex, 0 to 4 percent slopes	7,014					
		45 Nobe	Series	0.0	2.0	4.0
		35 Absher	Series	0.0	2.0	4.0
030C—Busby fine sandy loam, 2 to 8 percent slopes	1,449					
		85 Busby	Series	2.0	5.0	8.0
31B—Delpoint loam, 2 to 8 percent slopes	312					
		80 Delpoint	Series	2.0	5.0	8.0
31C—Delpoint-Cabbart-Yamacall loams, 4 to 15 percent slopes	13,394					
		35 Delpoint	Series	4.0	10.0	15.0
		30 Cabbart	Series	4.0	10.0	15.0
		20 Yamacall	Series	4.0	6.0	8.0
32D—Twilight-Blacksheep-Rock outcrop, complex, 4 to 25 percent slopes	8,942					
		40 Twilight	Series	8.0	12.0	15.0
		30 Blacksheep	Series	4.0	15.0	25.0
		15 Rock outcrop	Miscellaneous area			
33B—Yamacall loam, 2 to 8 percent slopes	7,792					
		85 Yamacall	Series	2.0	5.0	8.0
35B—Yamacall-Busby complex, 2	1,259					
to 8 percent slopes						

						10
Golden Valley County Area, Monta	ana					
		35 Busby	Series	2.0	5.0	8.0
36B—Yamacall-Delpoint loams, 2 to 8 percent slopes	10,325					
		50 Yamacall	Series	2.0	5.0	8.0
1		40 Delpoint	Series	2.0	5.0	8.0
38A—Kobase-Zatoville silty clay loams, 1 to 8 percent slopes	12,077					
		45 Kobase	Series	1.0	4.0	8.0
		35 Zatoville	Series	1.0	4.0	8.0
39C—Delpoint, calcareous- Cabbart-Yamacall, calcareous, loams, 4 to 15 percent slopes	3,646					
		40 Delpoint, calcareous	Series	4.0	9.0	15.0
		25 Cabbart	Series	4.0	9.0	15.0
		20 Yamacall, calcareous	Series	4.0	6.0	8.0
40B—Kobase silty clay loam, 2 to 8 percent slopes	12,524					
		75 Kobase	Series	2.0	5.0	8.0
40CKobase silty clay loam, calcareous surface, 1 to 8 percent slopes	4,751					
		75 Kobase, calcareous	Series	1.0	4.0	8.0
41A—Yamacall loam, calcareous, 0 to 2 percent slopes	501					
		80 Yamacall, calcareous	Series	0.0	1.0	2.0
41B—Yamacall loam, calcareous, 2 to 8 percent slopes	3,365					
		80 Yamacall, calcareous	Series	2.0	5.0	8.0
41C—Yamacall-Delpoint loams, calcareous, 2 to 8 percent slopes	3,539					
		45 Yamacall, calcareous	Series	2.0	5.0	8.0
		35 Delpoint, calcareous	Series	2.0	5.0	8.0
50B—Hinterland loam, 2 to 8 percent slopes	2,273					
		80 Hinterland	Series	2.0	5.0	8.0
50D—Hinterland-Delplain complex, 8 to 25 percent slopes	2,423					
		45 Hinterland	Series	8.0	12.0	15.0
		35 Delplain	Series	8.0	17.0	25.0
1						,

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Golden Valley County Area, Monta	ina					- 1
51A—Ethridge clay loam, 0 to 2 percent slopes	1,611					
		80 Ethridge	Series	0.0	1.0	2.0
52A—Eapa loam, 0 to 2 percent slopes	2,053					
		80 Eapa	Series	0.0	1.0	2.0
52B—Eapa loam, 2 to 8 percent slopes	8,299					
		85 Eapa	Series	2.0	5.0	8.0
53A—Tanna loam, 1 to 6 percent slopes	3,994					
		80 Tanna	Series	1.0	4.0	6.0
55B—Beenom loam, 1 to 8 percent slopes	3,007					
		70 Beenom, calcareous	Series	1.0	5.0	8.0
56A—Crago-Musselshell-Attewan complex, 1 to 4 percent slopes	3,652					
		45 Crago	Series	1.0	1.0	2.0
		30 Musselshell	Series	1.0	2.0	4.0
		20 Attewan	Series	1.0	1.0	2.0
58A—Verson clay loam, 1 to 4 percent slopes	2,209					
		85 Verson	Series	1.0	2.0	4.0
60B—Abor silty clay, 1 to 8 percent slopes	1,029					
		75 Abor	Series	1.0	5.0	8.0
60C—Abor-Neldore silty clays, 2 to 8 percent slopes	6,091					
		45 Abor	Series	2.0	5.0	8.0
		35 Neldore	Series	2.0	5.0	8.0
68C—Megonot-Yawdim silty clay loams, 4 to 15 percent slopes	26,842					
		45 Megonot	Series	4.0	10.0	15.0
		35 Yawdim	Series	4.0	10.0	15.0
73D—Abor-Yawdim complex, 4 to 15 percent slopes	2,780					
		45 Abor	Series	4.0	10.0	15.0
		35 Yawdim	Series	4.0	10.0	15.0
80E—Blacksheep-Rock outcrop- Twilight complex, 8 to 45	5,636					

Golden Valley County Area, Monta percent slopes	ina					
		45 Blacksheep	Series	8.0	27.0	45.0
		25 Rock outcrop	Miscellaneous area			
		15 Twilight	Series	8.0	12.0	15.0
81B—Delpoint-Cabbart loams, 2 to 8 percent slopes	8,812					
		60 Delpoint	Series	2.0	5.0	8.0
		30 Cabbart	Series	2.0	5.0	8.0
82C—Cabbart-Delpoint, calcareous-Rock outcrop complex, 4 to 15 percent slopes	4,874					
		45 Cabbart, calcareous	Series	4.0	10.0	15.0
		30 Delpoint, calcareous	Series	4.0	10.0	15.0
		15 Rock outcrop	Miscellaneous area			
82E—Cabbart-Delpoint, calcareous-Rock outcrop complex, 8 to 45 percent slopes	15,213					
		45 Cabbart, calcareous	Series	8.0	27.0	45.0
		25 Delpoint, calcareous	Series	8.0	19.0	25.0
		20 Rock outcrop	Miscellaneous area			
83D—Cabbart-Rock outcrop- Blacksheep complex, 8 to 45 percent slopes	7,103					
		35 Cabbart	Series	8.0	27.0	45.0
		30 Rock outcrop	Miscellaneous area			
		25 Blacksheep	Series	8.0	27.0	45.0
84C—Cabbart-Yawdim-Delpoint complex, 4 to 15 percent slopes	6,003					
		35 Cabbart	Taxadjunct	4.0	10.0	15.0
		30 Yawdim	Series	4.0	10.0	15.0
						1
		20 Delpoint	Series	4.0	10.0	15.0
84D—Cabbart-Yawdim-Badland complex, 4 to 35 percent slopes	23,677	20 Delpoint	Series	4.0	10.0	15.0
	23,677	20 Delpoint 35 Cabbart	Series Taxadjunct	4.0	20.0	35.0

Golden Valley County Area, Monta	na					
		20 Badland	Miscellaneous area			
84F—Cabbart-Rock outcrop- Yawdim complex, 15 to 60 percent slopes	2,947					
		40 Cabbart	Series	15.0	25.0	60.0
		25 Rock outcrop	Miscellaneous area			
		20 Yawdim	Series	15.0	25.0	60.0
86E—Cabbart-Rock outcrop complex, 4 to 35 percent slopes	2,919					
		60 Cabbart	Series	4.0	20.0	35.0
		25 Rock outcrop	Miscellaneous area			
87B—Delpoint, calcareous- Cabbart loams, 2 to 8 percent slopes	5,942					
		45 Delpoint, calcareous	Series	2.0	5.0	8.0
		40 Cabbart	Taxadjunct	2.0	5.0	8.0
89C—Rentsac fine sandy loam, 2 to 8 percent slopes	17,130					
		80 Rentsac	Series	2.0	5.0	8.0
93A—Crago-Musselshell complex, 1 to 4 percent slopes	1,155					
		50 Crago	Series	1.0	2.0	4.0
		40 Musselshell	Series	1.0	2.0	4.0
107A—Lostriver-Bullhook complex, 0 to 2 percent slopes, rarely flooded	4,999					
		45 Lostriver	Series	0.0	1.0	2.0
		35 Bullhook	Series	0.0	1.0	2.0
108A—Harlake-Havre complex, 0 to 2 percent slopes, rarely flooded	1,777					
		45 Harlake	Series	0.0	1.0	2.0
		40 Havre	Series	0.0	1.0	2.0
111A—Havre-Glendive complex, 0 to 2 percent slopes, occasionally flooded	4,183					
		50 Havre	Series	0.0	1.0	2.0
		35 Glendive	Series	0.0	1.0	2.0

131C—Delpoint-Yamacall loams, 2 to 8 percent slopes	2,298						
		55	Delpoint	Series	2.0	5.0	
		30	Yamacall	Series	2.0	5.0	
132B—Twilight-Blacksheep sandy loams, 2 to 8 percent slopes	10,671						
		45	Twilight	Series	2.0	8.0	
		40	Blacksheep	Series	2.0	8.0	
140B—Kobase-Megonot silty clay loams, 1 to 8 percent slopes	7,633						
		45	Kobase	Series	1.0	5.0	
		40	Megonot	Series	1.0	5.0	
142C—Rothiemay-Crago complex, 4 to 15 percent slopes	167						
		55	Rothiemay	Series	4.0	10.0	
		30	Crago	Series	4.0	10.0	
154B—Marmarth-Beenom complex, 2 to 8 percent slopes	2,854						
		50	Marmarth	Series	2.0	5.0	
		35	Beenom	Series	2.0	5.0	
181D—Cabbart-Crago-Delpoint complex, 4 to 15 percent slopes	6,274						
		45	Cabbart	Taxadjunct	4.0	10.0	
		30	Crago	Series	4.0	10.0	
		15	Delpoint	Series	4.0	10.0	
181E—Cabbart, calcareous- Crago-Delpoint, calcareous complex, 8 to 35 percent slopes	8,000						
		40	Cabbart, calcareous	Series	8.0	25.0	
		35	Crago, calcareous	Series	8.0	25.0	
		15	Delpoint, calcareous	Series	8.0	25.0	
182D—Cabbart-Delpoint loams, 4 to 15 percent slopes	28,415						
		45	Cabbart	Series	2.0	10.0	
		40	Delpoint	Series	4.0	6.0	
189C—Rentsac-Cabbart complex, 2 to 15 percent slopes	24,308						
		50	Rentsac	Series	2.0	9.0	
		35	Cabbart	Series	2.0	10.0	

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Need New Production Area Map With Iso Barn



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