

Instructions:

Provide field information for every field available for land application. Each field should have a unique name or code and include the number of acres making up the field. Field maps that are appropriately labeled should also be included (Section 7.1 of NMP). The labels from the field maps should be easily matched to all fields through the NMP. Add additional rows as necessary.

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	Total P-Index Value	Site Vulnerability to Phosphorus Loss	Application Basis	Max N Derived from all sources	Max P205 Derived from all sources
						(lbs/acre)	(lbs/acre)
1-68	2024-28	Grass	14	Medium	Phosphorus Need	125	30
2-63	2024-28	Grass	13.5	Medium	Phosphorus Need	125	30
3-5	2024-28	Grass	13.5	Medium	Phosphorus Need	125	30
4-49	2024-28	Grass	13.5	Medium	Phosphorus Need	125	30
5-24	2024-28	Grass	14	Medium	Phosphorus Need	125	30
6-25	2024-28	Alfalfa	14	Medium	Phosphorus Need	40	75
8-21	2024-28	Grass	13.5	Medium	Phosphorus Need	125	75
9-35	2024-25	Corn	15	Medium	Phosphorus Need	250	50
	2026-28	Alfalfa	15	Medium	Phosphorus Need	40	75
10-10	2024-28	Grass	14	Medium	Phosphorus Need	125	30
11-54	2024-28	Alfalfa	14	Medium	Phosphorus Need	40	75
12-63	2024-25	Alfalfa	13.5	Medium	Phosphorus Need	40	75
	2026-28	Corn	13.5	Medium	Phosphorus Need	250	50
13-16	2024-28	Grass	14	Medium	Phosphorus Need	125	30

Instructions:

Outcome of the Field-Specific Assessment

The permittee shall assess the risk of phosphorus containment 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. Complete the Phosphorus Index Worksheet provided in Section 9.2 of the NOI-NMP according to the crop grown on each field. Enter the results into column "Total Phosphorus Index Value." Columns "Site Vulnerability to Phosphorus Loss" and "Application Basis" will auto-fill based on the reported P-Index Value.

Maximum Nitrogen and Phosphorus Derived from All Sources

The narrative rate approach sets an upper limit on the amount of nutrients to be applied from all sources. The maximum amounts of nitrogen and phosphorus derived from all sources of nutrients must be determined for each crop. The maximum limit must be identified for each crop, but does not need to be reported each year that crop is planted.

Example term:

Field ID	Subfield ID	Year	Crop	Max N	Max P ₂ O ₅
				Derived from all sources	Derived from all sources
Bob's Farm South	85	2010	Soybean	Soybeans = 0 lbs N/acre	Soybeans = 0 lbs P ₂ O ₅ /acre
		2011	Corn		Corn = 210 lbs N/acre
		2012	Soybean	Corn = 210 lbs N/acre	
		2013	Corn	Corn = 190 lbs P ₂ O ₅ /acre	
		2014	Southern		

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						(lbs/acre)	(lbs/acre)

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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	Total P-Index Value	Site Vulnerability to Phosphorus Loss	Application Basis	Max N Derived from all sources (lbs/acre)	Max P205 Derived from all sources (lbs/acre)
1-68	2024-28	Grass	14	Medium	Phosphorus Need	125	30
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11-54	2024-28	Alfalfa	14	Medium	Phosphorus Need	40	75
12-63	2024-25	Alfalfa	13.5	Medium	Phosphorus Need	40	75
12-63	2026-28	Corn	13.5	Medium	Phosphorus Need	250	50
13-16	2024-28	Grass	14	Medium	Phosphorus Need	125	30

See Note -

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Outcome of the Field Specific Assessment

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Maximum Nitrogen and Phosphorus Derived from All Sources

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Example term:

Field ID:	Subfield ID:	Year:	Crop:	Max N Derived from all sources		Max P _{2O₅} Derived from all sources
				(lb/acre)	(lb/acre)	
Baldy Farm South	85	2010	Soybean	150 lb N/acre	150 lb P _{2O₅} /acre	
		2011	Corn	150 lb N/acre	150 lb P _{2O₅} /acre	
		2012	Soybean	150 lb N/acre	150 lb P _{2O₅} /acre	
		2013	Corn	150 lb N/acre	150 lb P _{2O₅} /acre	
		2014	Soybean	150 lb N/acre	150 lb P _{2O₅} /acre	

Note
Fields 9-35 will be
planted to corn for
2024-25 crop years
then in Alfalfa for
2026-28

Field 12-63 will be
in Alfalfa for 2024-25
and then in corn 2026-28

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.

Soil tests are taken annually and P index is updated as needed based on analysis
Commercial fertilizer application amounts are credited when calculating manure application
Manure is applied in solid form