

Phosphorus Index Worksheet

Client Name _____ County _____ Date _____
 Assisted by _____ Farm No. _____ Tract No. _____
 Field(s) _____ Crop(s) _____

Part A: Phosphorus transport potential due to site and transport characteristics

TRANSPORT	PHOSPHORUS LOSS RATING					Value	
						Evaluation	Evaluation
Soil Erosion	No Surface Outlet 0	<5 T/A 1	5-10 T/A 2	10-15 T/A 4	>15 T/A 8		
Runoff Potential	Very Low 0	Low 1	Medium 2	High 4	Very High 8		
Leaching Potential	Very Low 0	Low 1	Medium 2	High 4	Very High 8		
Potential to reach water body	Very Low 0	Low 1	Medium 2	High 4			

Part A: Total Site Value		
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Part B: Phosphorus loss potential due to management practices

Fertility Index Value	Soil Fertility Index x 0.025 (ppm P X 2 X 0.025)						
Phosphorus Application Rate	0.05 X (lbs/ac P ₂ O ₅) for fertilizer, manure or compost 0.015 X (lbs/ac P ₂ O ₅) for biosolids 0.10 X (lbs/ac P ₂ O ₅) for waste water						
Application Method	No Surface Outlet 0	Applied via irrigation on a periodic basis 2	Incorporated within 5 days of application 4	Surface applied without incorporation 6			
Waste Water App. Vol.	0.20 X acre-inches/acre/year						

Part B: Total Management Value		
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Multiply Part A () X Part B ()		
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Interpretation Rating (low to very high)		
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Note: Evaluation columns under value are for a conservation treatment unit (CTU) which can be more than one field, one field, or a part of a field.

A sketch of CTU's used are identified by number or letter and recorded on a sketch or map of the CTU.

To convert P to P₂O₅ multiply by 2.29

To convert P₂O₅ to P multiply by 0.437

Enter notes below that may be used to help explain, clarify, and/or define the site-specific criteria information used to evaluate this site.

TRANSPORT

Soil Erosion	
Runoff Potential	
Leaching Potential	
Potential to reach water body	

MANAGEMENT

Fertility Index Value	
Phosphorus Application Rate	
Application Method	
Waste Water Application Volume	