

### 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 <b>0</b>	<5 T/A <b>1</b>	5-10 T/A <b>2</b>	10-15 T/A <b>4</b>	>15 T/A <b>8</b>		
Runoff Potential	Very Low <b>0</b>	Low <b>1</b>	Medium <b>2</b>	High <b>4</b>	Very High <b>8</b>		
Leaching Potential	Very Low <b>0</b>	Low <b>1</b>	Medium <b>2</b>	High <b>4</b>	Very High <b>8</b>		
Potential to reach water body	Very Low <b>0</b>	Low <b>1</b>	Medium <b>2</b>	High <b>4</b>			

<b>Part A: Total Site Value</b>		
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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 <sub>2</sub> O <sub>5</sub> ) for fertilizer, manure or compost 0.015 X ( lbs/ac P <sub>2</sub> O <sub>5</sub> ) for biosolids 0.10 X ( lbs/ac P <sub>2</sub> O <sub>5</sub> ) for waste water					
Application Method	No Surface Outlet <b>0</b>	Applied via irrigation on a periodic basis <b>2</b>	Incorporated within 5 days of application <b>4</b>	Surface applied without incorporation <b>6</b>		
Waste Water App. Vol.	0.20 X acre-inches/acre/year					

<b>Part B: Total Management Value</b>		
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<b>Multiply Part A ( ) X Part B ( )</b>		
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<b>Interpretation Rating (low to very high)</b>		
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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  $P_2O_5$  multiply by 2.29

To convert  $P_2O_5$  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	