## Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

<table>
<thead>
<tr>
<th>Field Category Factor</th>
<th>None (0)</th>
<th>Low (1)</th>
<th>Medium (2)</th>
<th>High (4)</th>
<th>Very High (8)</th>
<th>Risk Value (0,1,2,4,8)</th>
<th>Year: 2020</th>
<th>Weight Factor</th>
<th>Weight Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Erosion</td>
<td>NA</td>
<td>&lt;5 tons/yr</td>
<td>5-10 tons/yr</td>
<td>10-15 tons/yr</td>
<td>QA&gt; 10 for erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Furrow Irrigation Erosion</td>
<td>N/A</td>
<td>Tail water recovery, QS&gt;6 very erodible soils, or QS&gt;10 other soils</td>
<td>QS&gt; for erosion resistant soil</td>
<td>QS&gt; for erodible soils</td>
<td>QA&gt;6 for very erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Sprinkler Irrigation Erosion</td>
<td>All fields 0-3% slope, all sandy fields or field evaluation indicates little or no runoff large spray on silts 3-8%</td>
<td>Medium spray on silty soils 3-15% slopes, large spray on silty soils 8-15% slope, low spray on silt soils 3-8% large spray on clay soil 3-15% slope</td>
<td>Medium spray on clay soils 3-8% slopes, large spray on clay soils &gt;15% slope, medium spray on silt soil &gt;15% slope</td>
<td>Medium spray on clay soils &gt;8% slopes</td>
<td>Low spray on clay soils &gt;8% slopes</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Runoff Class</td>
<td>Negligible</td>
<td>Very Low or Low</td>
<td>Medium</td>
<td>High</td>
<td>Very High</td>
<td>1</td>
<td>0.5</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Olson Soil Test P</td>
<td>--------</td>
<td>&lt;20 ppm</td>
<td>20-40 ppm</td>
<td>40-80 ppm</td>
<td>&gt;80 ppm</td>
<td>0</td>
<td>0.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td>Commercial P Fertilizer Application Method</td>
<td>None Applied</td>
<td>Placed with Planter or injection deeper than 2 inches</td>
<td>Incorporated &lt;3 months prior to planting or surface applied during growing season</td>
<td>Incorporated &gt;3 months before crop or surface applied &lt;3 months before crop emerges</td>
<td>Surface applied to pasture or &gt;3 months before crop emerges</td>
<td>8</td>
<td>1.0</td>
<td>8.0</td>
<td></td>
</tr>
<tr>
<td>Commercial P Fertilizer Application Rate</td>
<td>None Applied</td>
<td>&lt;30 lbs/ac P205</td>
<td>31-90 lbs/ac P205</td>
<td>91-150 lbs/ac P205</td>
<td>&gt;150 lbs/ac P205</td>
<td>1</td>
<td>1.0</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Organic P Source Application Method</td>
<td>None Applied</td>
<td>Injected deeper than 2 inches</td>
<td>Incorporated &lt;3 months prior to planting or surface applied during growing season</td>
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<tr>
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<td>&gt;1,000 feet</td>
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<td>100-200 feet</td>
<td>&lt;100 feet</td>
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<td>0</td>
<td>1.0</td>
<td>0.0</td>
<td></td>
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</tbody>
</table>

**Total Phosphorus Index Value:** 9.5
## Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

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<tr>
<th>Field Category Factor</th>
<th>None (0)</th>
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<th>High (4)</th>
<th>Very High (8)</th>
<th>Risk Value (0, 1, 2, 4, 8)</th>
<th>Weight Factor</th>
<th>Weight Risk</th>
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<td>Soil Erosion</td>
<td>NA</td>
<td>&lt;5 tons/ac/yr</td>
<td>5-10 ton/ac/yr</td>
<td>10-15 ton/ac/yr</td>
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<td>0</td>
<td>1.5</td>
<td>0.0</td>
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<tr>
<td>Furrow Irrigation Erosion</td>
<td>N/A</td>
<td>Tail water recovery, QS&gt;6 very erodible soils, or QS&gt;10 other soils</td>
<td>QS&gt; for erosion resistant soil</td>
<td>QS&gt; for eroded soils</td>
<td>QA&gt;6 for very erodible soils</td>
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<td>0.0</td>
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<td>Very Low or Low</td>
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<td>0</td>
<td>1.0</td>
<td>0.0</td>
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</tbody>
</table>

Total Phosphorus Index Value: 2.5
## Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

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<tr>
<th>Field Category Factor</th>
<th>None (0)</th>
<th>Low (1)</th>
<th>Medium (2)</th>
<th>High (4)</th>
<th>Very High (8)</th>
<th>Risk Value (0,1,2,4,8)</th>
<th>Weight Factor</th>
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<tbody>
<tr>
<td><strong>Soil Erosion</strong></td>
<td>NA</td>
<td>&lt;5 tons/yr</td>
<td>5-10 ton/ac/yr</td>
<td>10-15 ton/ac/yr</td>
<td>QA&gt; 10 for erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>Furrow Irrigation Erosion</strong></td>
<td>N/A</td>
<td>Tail water recovery, QS&gt;6 for erosion resistant soil</td>
<td>QS&gt; for erodible soils</td>
<td>QA&gt;6 for very erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
<td></td>
</tr>
<tr>
<td><strong>Sprinkler Irrigation Erosion</strong></td>
<td>All fields 0-3% slope, all sandy fields or field evaluation indicates little or no runoff, large spray on silt soils 3-8%</td>
<td>Medium spray on clay soils 3-8%, large spray on silty soils 8-15% slope, low spray on silt soils 3-8%</td>
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<td>&gt;80 ppm</td>
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</tr>
<tr>
<td><strong>Commercial P Fertilizer Application Method</strong></td>
<td>None Applied</td>
<td>Placed with Planter or injection deeper than 2 inches</td>
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<tr>
<td>Organic P Source Application Method</td>
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</tbody>
</table>

**Total Phosphorus Index Value:** 9.5
### Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

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<th>Field Category Factor</th>
<th>Field None (0)</th>
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<tbody>
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<td>0</td>
<td>1.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Furrow Erosion</td>
<td>N/A</td>
<td>Tail water recovery, QS&gt;6</td>
<td>QS&gt; for erosion resistant soil</td>
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<td>QA&gt;6 for very erodible soils</td>
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<tr>
<td>Runoff Class</td>
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<td>---------------------------------------------------------------------------------</td>
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<td>---</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>Organic P Source Application Rate</td>
<td>None Applied</td>
<td>&lt;30 lbs/ac P205</td>
<td>31-90 lbs/ac P205</td>
<td>91-150 lbs/ac P205</td>
<td>&gt;150 lbs/ac P205</td>
<td>0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Distance to Concentrated Surface Water Flow</td>
<td>&gt;1,000 feet</td>
<td>200-1,000 feet</td>
<td>100-200 feet</td>
<td>&lt;100 feet</td>
<td>0 feet or application are directly into concentrated surface water flow areas.</td>
<td>0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

Total Phosphorus Index Value: 9.5
## Appendix A: Phosphorus Index Worksheet (Complete for each field and crop)

<table>
<thead>
<tr>
<th>Field Category Factor</th>
<th>None (0)</th>
<th>Low (1)</th>
<th>Medium (2)</th>
<th>High (4)</th>
<th>Very High (8)</th>
<th>Risk Value (0,1,2,4,8)</th>
<th>Weight Factor</th>
<th>Weight Risk</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Erosion</td>
<td>NA</td>
<td>&lt;5 tons/acs/yr</td>
<td>5-10 ton/ac/yr</td>
<td>10-15 ton/ac/yr</td>
<td>QA&gt; 10 for erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Furrow Irrigation Erosion</td>
<td>N/A</td>
<td>Tail water recovery, QS&gt;6 very erodible soils, or QS&lt;10 other soils</td>
<td>QS&gt; for erosion resistant soil</td>
<td>QS&gt; for erodible soils</td>
<td>QA&gt;6 for very erodible soils</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Sprinkler Irrigation Erosion</td>
<td>All fields 0-3% slope, all sandy fields or field evaluation indicates little or no runoff large spray on silts 3-8%</td>
<td>Medium spray on silty soils 3-15% slopes, large spray on silt soils 8-15% slope, low spray on clay soils 3-8% large spray on clay soil 3-15% slope</td>
<td>Medium spray on clay soils 3-8% slopes, large spray on clay soils &gt;15% slope, medium spray on silt soil &gt;15% slope</td>
<td>Medium spray on clay soils &gt;8% slopes</td>
<td>Low spray on clay soils &gt;8% slopes</td>
<td>0</td>
<td>1.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Runoff Class</td>
<td>Negligible</td>
<td>Very Low or Low</td>
<td>Medium</td>
<td>High</td>
<td>Very High</td>
<td>1</td>
<td>0.5</td>
<td>0.5</td>
</tr>
<tr>
<td>Olson Soil Test P</td>
<td>--------</td>
<td>&lt;20 ppm</td>
<td>20-40 ppm</td>
<td>40-80 ppm</td>
<td>&gt;80 ppm</td>
<td>0</td>
<td>0.5</td>
<td>0.0</td>
</tr>
<tr>
<td>Commercial P Fertilizer Application Method</td>
<td>None Applied</td>
<td>Placed with Planter or injection deeper than 2 inches</td>
<td>Incorporated &lt;3 months prior to planting or surface applied during growing season</td>
<td>Incorporation &gt;3 months before crop or surface applied &lt;3 months before crop emerges</td>
<td>Surface applied to pasture or &gt;3 months before crop emerges</td>
<td>1</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Commercial P Fertilizer Application Rate</td>
<td>None Applied</td>
<td>&lt;30 lbs/ac P205</td>
<td>31-90 lbs/ac P205</td>
<td>91-150 lbs/ac P205</td>
<td>&gt;150 lbs/ac P205</td>
<td>1</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Organic P Source Application Method</td>
<td>None Applied</td>
<td>Injected deeper than 2 inches</td>
<td>Incorporated &lt;3 months prior to planting or surface applied during growing season</td>
<td>Incorporated &gt;3 months before crop or surface applied &lt;3 months before crop.</td>
<td>Surface applied to pasture or &gt;3 months before crop emerges</td>
<td>0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>-----------------------------------</td>
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<td>91-150 lbs/ac P205</td>
<td>&gt;150 lbs/ac P205</td>
<td>0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Distance to Concentrated Surface Water Flow</td>
<td>&gt;1,000 feet</td>
<td>200-1,000 feet, or functioning grass waterways in concentrated surface water</td>
<td>100-200 feet</td>
<td>&lt;100 feet</td>
<td>0 feet or application are directly into concentrated surface water flow areas.</td>
<td>0</td>
<td>1.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

**Total Phosphorus Index Value:** 2.5