

**Participant Number:**

**Location:**

**Number of Fields:**

The purpose of this survey is to gather the necessary data for use in the SWAT model developed for the Huron River Watershed to model phosphorus loss. For the most accurate results, the following information must be provided by the producer.

**Please supply the following if applicable to your farm, in written, printed or digital form:**

- **Maps depicting field boundaries or parcel information**
- **Soil test results**
- **Nutrient management plan**
- **Cropping records**
- **Application records**
- **Field level management data**

**FIELD LEVEL SURVEY**

*For each field, please select the options that best represent the field-level management practices.*

Field Name: \_\_\_\_\_ Acreage: \_\_\_\_\_ (acres) \_\_\_\_\_ (ha)

Avg. Field Slope: \_\_\_\_\_ %

Soil Types: \_\_\_\_\_

**CROP** \_\_\_\_\_

*Select one:*

Optional: Yield \_\_\_\_\_ Bushels \_\_\_\_\_ Tons \_\_\_\_\_

Rotation: What preceded this crop?

What do you intend to follow this crop with?

*Notes:*

**COVER CROPS** \_\_\_\_\_

Species: \_\_\_\_\_ Or \_\_\_\_\_ None Used

*Notes:*

**TILLAGE OPERATIONS** \_\_\_\_\_

Fall Tillage: Tillage Type and Depth \_\_\_\_\_ None Used

Spring Tillage: Tillage Type and Depth \_\_\_\_\_ None Used

*Notes:*

**NUTRIENT MANAGEMENT**

*Phosphorus application*

Total Rate: \_\_\_\_\_ lbs/acre

Type(s) (granular, manure, etc.) :

Method(s):      Broadcast      Incorporated      Subsurface

Time of Year:      Fall      Winter      Spring      Summer

Notes:

**TILE DRAINAGE**

Existing Tile Drainage      No Drainage      Unknown

Estimated tiled area:      % of field

Notes:

**STRUCTURAL AND EDGE OF FIELD PRACTICES**

*Please note locations and names on map.*

Wildlife Habitat      Name on map: \_\_\_\_\_      Acres: \_\_\_\_\_

Buffer Strip      Name on map: \_\_\_\_\_

Width:      feet      Length:      feet      % of field draining to buffer

(Optional) Condition:

Grassed Waterway      Name on map: \_\_\_\_\_

Width:      feet      Length:      feet      % of field draining to waterway

(Optional)Condition:

Notes:

**SOIL TEST PHOSPHORUS VALUES**

Date:

Sampling type:      All results for this field      Average value

Value(s)

Lab that processed samples:

Optional Soil Test Questions:

Method: Bray Mehlich Other:

Organic Matter Value(s):

Soil health test: Value(s): Test/Method:

Notes:

LIVESTOCK

Dairy Cows Avg. Head/year:

Beef Cattle Avg. Head/year:

Swine Avg. Head/year:

Other Livestock (Type and Avg. Head per year)

Notes:

PHOSPHORUS REDUCTION STRATEGIES

Please select scenarios/options the producer is interested in applying to this field:

Reducing phosphorus application rates on this field by:

Incorporating phosphorus fertilizers and manure with tillage

Subsurface-application of phosphorus fertilizers and manures

Installing filter strips on this field. Location:

Installing grassed waterways on this field. Location:

Growing winter cover crops. Species:

Extend crop rotation with:

Adding periodic or continuous conservation tillage: No-till or Reduced tillage

Description:

Conversion to actively managed grassland (pasture)

Conversion to conservation grassland

Contour plowing and planting

Other:

Other:

**Are there additional whole-farm actions the producer would like to be modeled and/or would consider adopting to reduce farm phosphorus runoff?**

**Additional Comments:**