



**PENINSULA
PRIDE FARMS**



**WATER
QUALITY:**

A DUAL APPROACH

peninsulapridefarms.org



Surface Water

How will we protect and improve surface water?

STEP 1 - Assess

Conduct farm assessments to identify risk factors and provide incentives to encourage farmers to implement conservation

- » Reduce soil and nutrient loss (cover crops, reduced tillage, buffers, setback distances, etc.)
- » Improve nutrient application and utilization
- » Reduce manure movement to surface waters

STEP 2 - Identify & adopt

Identify and adopt practices that affect other surface water issues

- » Nutrient loss through tile drainage systems
- » Improve tile drainage management and installation of tile drainage treatment systems
- » Restore wetlands and stream banks

STEP 3 - Document

Document successful surface water protection practices on member farms

How will we measure our impact?

1. Develop nutrient management plans for all members

2. Evaluate each plan

- » Provide information for soil loss; phosphorus index; soil test phosphorus levels; and P2O5 balance
- » Provide regional comparison
- » Identify high-risk fields

3. Track phosphorus and soil loss from conservation practices

- » Both supported and not
- » Evaluate the difference in a field with and without a conservation practice

4. Play a role in the “total maximum daily load” process

- » Participate in meetings and provide comments
- » Host public field days and tours

5. Conduct a whole farm assessment, including physical walkovers of fields

6. Continue working with UW Discovery Farms on water monitoring and other evaluations

- » Summarize results for the public

7. Create a record of cumulative results among member farms

Ground Water



How will we protect and improve ground water?

STEP 1 — Assess

Conduct farm assessments to identify risk factors

- » Identify the depth of soil over bedrock
- » Identify areas that drain to direct conduits to groundwater and help farmers focus on specific risks
- » Help farmers implement practices that address each farm's individual risks to groundwater

STEP 2 - Identify & adopt

Identify and adopt practices that affect ground water issues

- » Identify practices that can be implemented
- » Evaluate manure storage systems that have potential to reduce pathogens
- » Evaluate and provide outreach on feeding programs with potential to reduce pathogens
- » Research and provide outreach on manure composting
- » Evaluate manure digestion and other emerging technologies to reduce pathogens
- » Explore new technologies and best management practices such as manure irrigation

STEP 3 - Document

Document successful ground water protection practices on member farms

How will we measure our impact?

- Track the number of acres where depth to bedrock is mapped
- Track the farms that have adopted pathogen-reducing practices and estimate the level of reduction
- Track the acres where pathogen-reducing practices are being used
- Conduct sampling of pathogen levels before and after treatment at the time of application
- Track the number of farms participating in a nitrogen-use efficiency project
- Track the number of acres installing setbacks or buffer strips to protect sinkholes or other conduits to groundwater
- Track the number of farms and acres where practices are implemented to protect groundwater quality
- Create a record of cumulative results for pathogen reduction among member farms

Incentivized conservation practices:

- » *Cover cropping*
- » *Harvestable buffers*
- » *Split applications of nitrogen*
- » *Depth of soil over bedrock testing*



PENINSULA PRIDE FARMS

Our Vision

Clean, safe water and a thriving agricultural community together on the Door County Peninsula.

Our Mission

As farmers and caretakers of the environment, we are committed to protecting, nurturing and sustaining our precious soil, water and air. To foster environmental stewardship, we will promote practices with measurable outcomes that secure and enrich the future of our shared community.

Our Philosophy

Our culture is one in which farmers are empowered to continuously improve on practices that affect the environment. Through peer-to-peer mentoring and other forms of support, we challenge ourselves to be models of sustainability. Goals and expectations are high and so, too, is our commitment to each other's success and the well-being of our community.

Peninsula Pride Farms is organized and incorporated as a tax exempt 501(c)(3) organization.

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THRIVING AGRICULTURE
CLEAN WATER

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