

## Step 6: Project Details for Riparian Buffer Strips (ESIM-PD-G)

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1. What type of vegetation will you be planting? (Select one)

Primarily tree cover

Primarily permanent grass cover

Combination of both tree cover and permanent grass cover

2. If you are planting trees, what is the total number of trees that will be planted as part of your proposed project?

Yes, I am planning the following number of trees: \_\_\_\_\_

No, my project does not include planting trees

3. Will any of the trees, shrubs or other plantings in your project be intended for harvest for economic benefits within 15 years of completing your project? (Select one)

Yes

No

Not applicable

4. Will your project provide food sources (such as flowers), nesting sites or host plants for pollinators? (Select one):

Yes

No

5. What is the length of your buffer strip? (Select one)

Less than 30 metres

30 to 100 metres

Greater than 100 metres

**Full Name:** \_\_\_\_\_

**FBRN:** \_\_\_\_\_

ESIM-PD-G

6. In looking at the length of riparian area that your project addresses, what percentage of the floodplain (distance from the water to the top of the bank slope) will your completed project cover (e.g., the length of the riparian area my project is addressing is 500m, within those 500m my project will cover 100% of the area with trees)? (Select one)

100% Covered

75 to 99% Covered

50 to 74% Covered

Less than 50%

7. On average, what is the current width of your buffer before your project is implemented (metres)? (Select one)

Less than 3 metres

3 to 10 metres

11 to 30 metres

Greater than 30 metres

8. After your project is complete, what will be the average width of your buffer? (Select one)

Less than 3 metres

3 to 10 metres

11 to 30 metres

Greater than 30 metres

9. What best describes the level of access livestock will have to the riparian buffer strip established in your project? (Select one)

Livestock will have unrestricted, year-round access to the full site for grazing, water and/or shelter

Livestock will have access only during the growing season

Livestock will have restricted access to only limited areas of the buffer strip (small area)

Livestock will have no access to the project area (completely fenced out from buffer strip/wetland/project area and alternative source of water is provided)

Not applicable (no livestock on my farm operation)

**Full Name:** \_\_\_\_\_ **FBRN:** \_\_\_\_\_

## Step 7: Additional Funding for Systems Approach

This section is for applicants who would like to be considered for the Systems Approach Funding. To be considered, you must show how the project you are applying for will be complemented or enhanced by the on-going maintenance of previously implemented best management practices (BMPs). If this applies to you, please answer the questions for at least 3 of the BMPs below. If you provide satisfactory answers for at least 3 BMPs, you may receive an additional 5 percent in cost-share funding.

| NUTRIENT MANAGEMENT AND SOIL HEALTH PLANNING   |                               |
|--|-------------------------------|
| What year did you complete at least one of the following plans:<br><br>Crop Nutrient Plan<br>Nutrient Management Plan<br>Riparian Health Assessment<br>Soil Erosion Plan<br>Water/Wastewater Management Plan |                               |
| What type of advisor did you use for your planning?  |                               |
| Does the plan contribute to your ongoing production practices?   | Yes<br>No                     |
| What township was the plan implemented in?   |                               |
| COVER CROPS  |                               |
| Do you use cover crops annually?   | Yes<br>No                     |
| If no, what was the most recent year you used cover crops?   |                               |
| How many acres do you use cover crops on annually?   | acres owned<br>acres rented   |
| Have you used a cover crops species that flowers?  | Yes<br>No                     |
| If so, did you allow the cover crops to flower before termination?   | Yes<br>No                     |
| Are your cover crops typically left in the field over winter?  | Yes<br>No                     |
| What township was this implemented in?   |                               |
| RIPARIAN BUFFER STRIPS   |                               |
| What is the length and width of your riparian buffer strip?  | metres length<br>metres width |
| What year did you plant your most recent buffer strip?   |                               |
| What township was this implemented in?   |                               |

| <b>WINDBREAKS AND WINDSTRIPS</b>   |                             |
|--|-----------------------------|
| How many acres of fields are protected by windbreaks/wind strips: (e.g., 50 acre field with windbreaks = 50 acres)                 | acres owned<br>acres rented |
| What year did you last plant a windbreak or wind strip?  |                             |
| Do the plants in the windbreak or wind strip provide food sources (such as flowers), nesting sites or host plants for pollinators? | Yes<br>No                   |
| Do you perform annual maintenance on your windbreak(s)/wind strip(s)?  | Yes<br>No                   |
| What township was this implemented in?   |                             |
| <b>FRAGILE LAND RETIREMENT</b>   |                             |
| Please indicate the number of acres of fragile land you have retired in the last 5 years   | acres                       |
| Do the plants on your retired fragile land provide food sources (such as flowers), nesting sites or host plants for pollinators?   | Yes<br>No                   |
| What township was this implemented in?   |                             |
| <b>STRUCTURAL EROSION CONTROL</b>  |                             |
| When was the erosion control structure implemented?  |                             |
| Was the erosion control structure designed by an engineer?   | Yes<br>No                   |
| What township was this implemented in?   |                             |
| <b>NUTRIENT RECOVERY FROM WASTEWATER OR WASH WATER</b>   |                             |
| How many nutrient unit equivalents do you contain or manage?   |                             |
| How many litres of water are treated and/or recycled?  |                             |
| What year was the water recovery system installed in?  |                             |
| What township was this implemented in?   |                             |

| <b>TILLAGE AND NUTRIENT APPLICATION EQUIPMENT MODIFICATIONS</b>           |  |
|---|--|
| How many acres are under no-till practices?                               | acres owned<br>acres rented  |
| How many years have no-tillage practices been implemented?                |  |
| How many acres are under strip-till practices?                            | acres owned<br>acres rented  |
| How many years have strip-tillage practices been implemented?             |  |
| Do you have 3 or more crops in your rotation?                             | Yes<br>No  |
| What township was this implemented in?                                    |  |
| <b>EQUIPMENT MODIFICATIONS TO REDUCE SOIL COMPACTION</b>                  |  |
| Do you have an on-the-go tire inflation system?                           | Yes<br>No  |
| If yes, when was the system installed?                                    |  |
| Do you use high flotation tires to reduce soil compaction?                | Yes<br>No  |
| If yes, how many acres are impacted through use of this equipment?        | acres owned<br>acres rented  |
| What township was this implemented in?                                    |  |
| <b>ADDING ORGANIC AMENDMENTS TO SOIL</b>                                  |  |
| How many acres do you apply organic amendments to?                        | acres owned<br>acres rented  |
| What type of material do you apply to your fields? (Check all that apply) | Manure<br>Biosolids<br>Compost<br>Anaerobic digestate<br>Other, specify: |
| Is adding organic amendments a regular annual practice for your farm?     | Yes<br>No  |
| If no, what was the most recent year you used this practice?              |  |
| What township was this implemented in?                                    |  |

| <b>EQUIPMENT MODIFICATIONS TO IMPROVE MANURE APPLICATION</b>   |   |
|--|---|
| How did you modify equipment to better apply organic amendments? (Check all that apply)  | Direct injection<br>Below canopy<br>Incorporation or pre-tillage<br>Better rate and flow accuracy<br>Safety controls and monitoring |
| What was the most recent year you modified equipment for the application of organic amendments?  |   |
| Since the equipment was modified, has it been used in each year of production?   | Yes<br>No   |
| How many acres are impacted by the use of this equipment   | acres   |
| What township was this implemented in?   |   |
| <b>MANURE STORAGE IMPROVEMENTS</b>   |   |
| Has increasing storage capacity helped reduce soil compaction by allowing you to apply manure at the right time?   | Yes<br>No   |
| Has increasing storage capacity helped to eliminate the need to spread manure on frozen or snow-covered ground?  | Yes<br>No   |
| What year did you increase your manure storage capacity to a minimum of 240 days?  |   |
| Did increasing storage capacity allow you to increase nutrient use efficiency?   | Yes<br>No   |
| What township was this implemented in?   |   |
| <b>RUNOFF CONTROL FOR LIVESTOCK FACILITIES</b>   |   |
| Has a livestock yard been roofed or a covered yard been built within the last 5 years to prevent runoff?   | Yes<br>No   |
| Have you installed any of the following within the last five years?  | Engineered livestock runoff vegetated filter strip<br>Constructed wetland   |
| Have impermeable surfaces and concrete curb walls been installed or included to direct runoff to storage or treatment areas?   | Yes<br>No   |
| Did you create an upstream diversion around existing farmyards? (e.g., surface water diversions, berms, surface inlet [catch basin], eaves troughs on existing livestock buildings to divert clean water from entering the livestock yard) | Yes<br>No   |
| Did you build storage for runoff or silage leachate?   | Yes<br>No   |
| Did you create observation and shut-off stations and/or plug tile drains within 15 meters of livestock facilities  | Yes<br>No   |
| How many nutrient units are managed by runoff control?   |   |
| What township was this implemented in?   |   |