

Step 6: Project Details for LEADS - Tillage and Nutrient Application Equipment Modifications (ESIM-LE-J)

1. Provide the date of the Farmland Health Check-Up that assessed the fields impacted by the proposed project: _____

2. Based on your Farmland Health Check-Up, what fields will the proposed project be implemented on? (Check all that apply)

Field 1

Field 2

Field 3

Unassessed

3. Based on the results of your Farmland Health Check-Up, what is the top Farmland Health Challenge being addressed by the proposed project? (Select one)

Water Erosion

Wind Erosion

Tillage Erosion

Surface Structure

Subsurface Compaction

Soil Life

Soil Chemistry

Organic Matter

Phosphorus

Pollinator Health

Project is on unassessed acres

4. Based on the fields impacted by the proposed project, what rating does your Check-Up list for the Farmland Health Challenge identified above? (Select one)

Poor

Fair

Good

Best

Project is on unassessed acres

Full Name: _____

FBRN: _____

5. Which category does your project fall under? (Select one)

Equipment or components to enable banding

Equipment or components to enable variable or controlled applications

High clearance equipment modifications to facilitate in-crop applications

Fertilizer carts (only if used in conjunction with existing strip till units)

Companion tanks for nitrogen on a manure application system

Strip-till units or components

No-till planting units or components

Equipment for planting or managing cover crops

Row cleaners

Roller crimpers

Trash whippers

6. In an average year, how many acres will your improved/modified equipment be used on?

7. Does your project include any of the following? (Check all that apply)

GPS Receiver

Monitors / Displays

Autosteer Guidance system

Activations/Unlocks related to guidance systems (e.g., RTK Unlocks / Fees)

None of the above

8. Describe your current practice:

9. Describe the proposed practice including equipment type that will be modified through this project:

Full Name: _____ **FBRN:** _____

10. Has the farm operation tried this practice previously?

Yes, explain:

No, this practice is completely new to 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 2 of the BMPs below. If you may provide satisfactory answers for at least 2 BMPs, you may receive an additional 5 percent in cost-share funding.

CROP NUTRIENT PLANNING	
What year did you last complete a Crop Nutrient Plan for this farm?	
What type of advisor did you use for your planning?	
Does the plan contribute to your ongoing production practices?	Yes No
What township was the plan implemented in?	
COVER CROPS	
Do you use cover crops annually?	Yes 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 acres rented
Have you used a cover crops species that flowers?	Yes No
If so, did you allow the cover crops to flower before termination?	Yes No
Are your cover crops typically left in the field over winter?	Yes No
What township was this implemented in?	
RIPARIAN BUFFER STRIPS	
What is the length and width of your riparian buffer strip?	metres length metres width
What year did you plant your most recent buffer strip?	
What township was this implemented in?	

WINDBREAKS AND WINDSTRIPS	
How many acres of fields are protected by windbreaks/wind strips: (e.g., 50 acre field with windbreaks = 50 acres)	acres owned 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 No
Do you perform annual maintenance on your windbreak(s)/wind strip(s)?	Yes No
What township was this implemented in?	
FRAGILE LAND RETIREMENT	
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 No
What township was this implemented in?	
STRUCTURAL EROSION CONTROL	
When was the erosion control structure implemented?	
Was the erosion control structure designed by an engineer?	Yes No
What township was this implemented in?	

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

EQUIPMENT MODIFICATIONS TO IMPROVE MANURE APPLICATION

<p>How did you modify equipment to better apply organic amendments? (Check all that apply)</p>	<p>Direct injection Below canopy Incorporation or pre-tillage Better rate and flow accuracy Safety controls and monitoring</p>
<p>What was the most recent year you modified equipment for the application of organic amendments?</p>	
<p>Since the equipment was modified, has it been used in each year of production?</p>	<p>Yes No</p>
<p>How many acres are impacted by the use of this equipment</p>	<p>acres</p>
<p>What township was this implemented in?</p>	