

## WSF 2020 Status Report # 5209

**PROJECT:** LLNRD Cover Crop Water Use Study–  
WSF Application #5209 (awarded December 18, 2018)

**DATE:** MARCH 19, 2020  
(THIRD ANNUAL REPORT DUE ON OR  
BEFORE APRIL 1, 2021)

### See Application 5209 Section D #1 For Project Tasks Summary and Timeline

#### PROJECT PROGRESS APRIL 2019 TO APRIL 2020:

- ✓ May 2019 – Coordinated with Sponsors to identify and meet with producers to select fields for the study. Finalized field location for Study Plan.
- ✓ May 2019 – Purchased and took delivery of the equipment identified in the Study Plan.
- ✓ June 2019 – Set up local sites to test equipment.
- ✓ October 2019 – Coordinated with Producers and Sponsors for installation of equipment.
- ✓ November 2019 – Installed equipment on selected fields. (3 fields, 4 pairs per field, 24 total installations. Started data collection and data checking.
- ✓ November 2019 – Collected soil samples for texture and nitrate analysis.
- ✓ November 2019 – Initiated remote monitoring of field equipment.
- ✓ March 2020 – Began coordination with Producers and Sponsors for temporary removal of field equipment prior to planting.

#### ANTICIPATED ACTIVITIES FROM NOW UNTIL NEXT ANNUAL REPORT DUE APRIL 1, 2021:

- ✓ April 2020 – Continue coordination with Producers and Sponsors for temporary removal of equipment prior to planting.
- ✓ April/May 2020 – Remove all aboveground field equipment prior to planting.
- ✓ May 2020 – Re-install field equipment after planting.
- ✓ May through October 2020 – Continue to remotely monitor field equipment.
- ✓ June 2020 - Prepare and submit Year 1 Data Summary Report.
- ✓ September 2020 – Begin coordination with Producers and Sponsors for temporary removal of field equipment prior to harvest.
- ✓ October 2020 – Remove all aboveground field equipment prior to harvest.
- ✓ November 2020 – Re-install field equipment after harvest.
- ✓ November 2020 – Collect soil samples for nitrate analysis.
- ✓ March 2021 – Begin coordination with Producers and Sponsors for temporary removal of field equipment prior to planting.

ANTICIPATED CASH FLOW FOR REMAINDER OF THE PROJECT:

**\$250,000** - The LLNRD and Water Sustainability Fund (WSF) have funding obligations towards this project (\$420,000 total project costs) under grant award #5209.

LIKELIHOOD THAT BENEFITS PROJECTED IN APPLICATION 5209 WILL BE REALIZED:

The Project Tasks have been completed as scheduled. Based on previous experience with working through the WSF, provided by both the LLNRD and EA, the project is on target for achieving all benefits described in the original application.