

# Utah Department of Agriculture and Food - Water Optimization Program Final Report



This report should be a representative summary of the implementation of this project. Please fill out the boxes below and attach photos as well as STEPL information if applicable. STEPL information is required for FY22 Spring and Fall application periods.

Project name:	Tilk Flood to Pivot Water Optimization Project
Application period:	FY22
Grantee:	Macey Tilk
Grant number:	123456
Location:	Taylorville
Completion date:	6/16/2023

1. Was the project completed as described in the application? If not, what changes were made and did you receive approval for them?

This project was completed as planned. The pivot was installed in late fall and the meter was hooked up in early spring. We had to change the location of the water meter which was approved by the program manager.

The sprinkler heads installed were Low Elevation Sprinklers (LESA). We installed 122 drops that vary between 4 and 6 feet in length.

2. Before, during and after photos (attached to the back of this form).
3. A description of the water made available after implementation of the project and how that water is being used.

Our water savings was estimated to be 46 acre feet. That is a 50% reduction from our initial usage which was 92 acre feet.

4. A brief description of the metering and water savings.

Our meter was installed at the point of diversion. It is a 6" McCrometer meter that can remotely measure water and store the data in the cloud.

5. If required, provide the estimated water quality load reductions (STEPL) for on farm irrigation projects or photo point monitoring, or other monitoring, for large water conveyance projects.
6. Describe the project cost, budget, etc. Did the project stay on budget? Did you have other funding sources? Please also fill out the table below.

We received \$180,000 from the NRCS to help fund the pivot.

The project pretty much stayed on budget. Because of inflation our materials cost \$2,000 more which we just paid for out of pocket. That is reflected in our budget below.

<b>Source</b>	<b>Amount</b>
UDAF Water Optimization Contribution	\$ 200,000
Other Funding	\$ 180,000
In-Kind (if applicable)	\$ 22,000
Total Project Cost	\$ 402,000