



Conservation Irrigation Conversion Summary

AgWRAP BMP Description and Policy

Description: A Conservation Irrigation Conversion means to modify an existing overhead spray irrigation system to increase the efficiency and uniformity of irrigation water application.

AgWRAP Conservation Irrigation Conversion Policy

Maintenance Period: 10 years

Additional Spot-check Requirements: None

CS2 Contract Requirements

CS2 Project Description Examples:

BMP	Explain how the operation's production is limited by the amount of water it can currently access	Describe how the proposed project/BMP will increase water resources
Conservation Irrigation Conversion	<p>Cooperator is pumping water out of a pond into storage tanks and hauling it up to orchard in back of pick-up trucks to hand water blueberries and apple trees.</p> <p>Row crop operation is currently using a reel type irrigation system and the efficiency usage of available water is not that great.</p>	<p>Micro-irrigation will make the entire operation more efficient. The cooperator will be able to irrigate when needed, instead of waiting on rain and hand watering, especially during dry summer months.</p> <p>The installation of a center pivot system will increase water usage efficiency dramatically.</p> <p>Installation of computerized electric micro-irrigation will allow more control over amount and timing of irrigation.</p>

BMP	Explain how the operation's production is limited by the amount of water it can currently access	Describe how the proposed project/BMP will increase water resources
	Water sources are limited by amount of water held in farm pond on site. When need for water rises, usually pond water volumes are reduced.	Netafilm system will reduce runoff from overhead irrigation and reduce volume of water needed and conserve the water resources.

BMP Units: Each

Cost Information:

- Actual cost - paid based on receipts
- Maximum cost share amount \$30,000 (75%) OR \$36,000 (90%)
- Additional Private Design cost share amount \$5,000 (75%) OR \$6,000 (90%)
- Only one system per cooperator/farming operation

Expected Results:

- Gallons of water saved (annually), and
- Acres irrigated (annually)

Reference Materials:

- Conservation Plan
- NC-AgWRAP 11 Signature Page
- Map with BMPs, Tract, Field, and Contract Numbers
- [Cooperator Acknowledgment Form](#)
- [Checkout Sheet](#)

CS2 Components	Units
Conservation Irrigation Conversion	Each

CS2 Components

Units

AgWRAP - Design for Conservation Irrigation Conversion

Each

JAA/Supporting Standards

JAA:

- NC Licensed Irrigation Contractor
- Technical Specialists with Irrigation Designation
- Person with design certification by National Irrigation Associate
- USDA NRCS Technical Service Provider with Conservation Activity Plans (CAP) 118 authorization, **or (AND?)**
- Professional Engineer

NRCS Supporting Standards:

- [NRCS - 442 - Sprinkler System](#)
 - [NRCS - 441 - Irrigation System, Micro-Irrigation](#)
 - [NRCS - 430 - Irrigation Pipeline](#)
 - [NRCS - 449 - Irrigation Water Management](#)
 - [NRCS - 436 - Irrigation Reservoir](#)
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- [BMP JAA Application Requirements](#)
 - Contract Folder Checklist