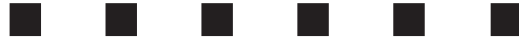




Sterkel Clean Water Diversion



Size:

90 cow-calf pairs

Challenge:

This location was formally a dairy but had been used the past 15 years for a cow-calf operation. The producer utilized a vegetated terrace system to manage the open lot runoff. Contributing drainage from approximately 80 acres of cropland was channeled through this system. Also, located on the property is a 100-foot x 33-foot loafing shed. After a rainfall event, roof runoff from the loafing shed exited through the open lots. Clean water runoff from the yard and feeding lane also passed through the lots.

Demonstrated Practice:

- Clean Water Diversion

ETF Contribution	Producer Contribution	Total Project Cost
\$5,900.62	\$2,156.50	\$8,057.12
Demonstrated Practices: Clean Water Diversion		

Description:

Rocked clean water diversions were installed to separate lot drainage from other runoff. The west diversion has geotextile fabric installed beneath the rock. All fresh water from the loafing shed roof was diverted by installing a rocked diversion behind the building that directs the clean water around the lot area. This diversion also directs runoff to a graveled waterway diversion and around the terrace system and onto an existing corn field. This improvement removes all clean water additions to the terrace system.

Environmental Benefits:

With the contributing drainage water diverted, the terrace system now captures only the runoff from the lots instead of being diluted with over 80 acres of clean water.

