

Water Quantity Enhancement Activity – WQT10 – Center pivot irrigation system end gun removal



Enhancement Description

This enhancement consists of removing the end guns from center pivot irrigation systems.

Land Use Applicability

Cropland, Pastureland

Benefits

The removal of center pivot irrigation end guns will reduce water use and runoff from irrigation systems improving conservation of water resources and energy.

Conditions Where Enhancement Applies

This enhancement applies to only the irrigated acres in the crop or pasture land use.

Criteria

1. Remove end guns from each center pivot irrigation system. No other appurtenance which alters the irrigation system’s operating pressure and water delivery will be allowed to be installed in place of the end gun.
2. Comply with the requirements of the Conservation Practice Standard, Irrigation Water Management, Code 449 (check with your local NRCS Field Office for a copy of the practice standard).

Adoption Requirements

This enhancement is considered adopted when the center pivot irrigation system’s end gun has been removed from the center pivot irrigation system.

Documentation Requirements

1. Photographs showing the operation of the irrigation system with the end guns removed.
2. Map delineating the location(s) where the end guns were removed.

References

Kranz, W., C. Burr, J. Hay, J. Schild, and C.D. Yonts. Using Chemigation Safely and Effectively, Training Manual. pp. 4, 29. http://nerec.unl.edu/c/document_library/get_file?folderId=436039&name=DLFE-6862.pdf

Kranz, W., S. Irmak, D. Martin, and C.D. Yonts, 2007. Converting Center Pivot Sprinkler Packages: System Considerations. UNL Institute of Agriculture and Natural Resources. NebGuide G1124. pp 1-4. <http://www.ianrpubs.unl.edu/epublic/live/g1124/build/g1124.pdf>