NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Sprinkler System (442)  
(New System)

1. Installed sprinkler irrigation system. Sprinkler nozzles may be fixed in place, moved periodically, or moved continuously.

D.2 (+) Water delivery to crop

D.3 (+) Cost of installation, operation, and maintenance

D.4 (+) Agri-chemicals delivery to crop

D.5 (+) Erosion potential; (+) potential for deep percolation

Pest Management Conservation System (595)

Nutrient Management (590)

I.1 (-) Water for other downstream uses

I.2 (+/-) Potential energy use

I.3 (+) Crop vigor and production

I.4 (+) Biomass

I.5 (+) Soil health

I.6 (+) Potential income

I.7 (+/-) Net return

I.8 (+) Agri-chemical use efficiency

I.9 (-) Energy use

I.10 (+) Energy use

C.1 (+/-) Fish and wildlife habitat and biodiversity

C.2 (+/-) Income and income stability (individuals and community)

C.3 (+/-) Quality of receiving waters

Irrigation Water Management (449)

Residue and Tillage Management, Reduced Till (345)

Residue and Tillage Management, No Till (329)

LEGEND

Mitigating practice

Associated practice

# . Created by practice

D. Direct effect

I. Indirect effect

C. Cumulative effect

Notes:

Effects are qualified with a plus (+) or minus (-). These symbols indicate only an increase (+) or a decrease (-) in the effect upon the resource, not whether the effect is beneficial or adverse.

Initial setting: Agricultural land where irrigation/chemigation is needed to enhance plant growth and/or to improve the efficiency of the current system.