NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

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

1. Installed surface/subsurface irrigation system (applied by means of other than trickle or sprinkler nozzles)

D.1 (+/-) Water use potential
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

Irrigation Water Management (449)
I.1 (-) Water for other downstream uses
I.2 (+/-) Potential energy use
I.3 (+) Crop vigor and production
I.4 (+) Biomass
I.5 (+) Soil quality
I.6 (+) Potential income
I.7 (+/-) Net return
I.8 (+) Agri-chemical use efficiency
I.9 (-) Energy use
I.10 (+) Harvested biomass
I.11 (+) Quality of receiving waters
I.12 (+) Income and income stability (individuals and community)
I.13 (+) Fish and wildlife habitat and biodiversity
I.14 (+) Crop vigor and production
I.15 (+) Nutrient management (590)
Pest Management (595)
Residue management practices

C.1 (+/-) Fish and wildlife habitat and biodiversity
C.2 (+/-) Income and income stability (individuals and community)
C.3 (+/-) Quality of receiving waters
C.4 (+/-) Soil quality
C.5 (+/-) Biomass
C.6 (+/-) Water delivery to crop
C.7 (+/-) Energy use
C.8 (+/-) Net return
C.9 (+/-) Irrigation Water Management (449)
C.10 (+/-) Irrigation Water Management (449)
C.11 (+/-) Energy use
C.12 (+/-) Nutrient management (590)
C.13 (+/-) Pest Management (595)
C.14 (+/-) Residue management practices

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.