**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.

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

- **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**

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

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

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

**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.

**Legend:**
- **Mitigating practice**
- **Associated practice**

**Compiled by practice**

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**Pathway**