NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Initial Setting:
- On irrigated lands susceptible to irrigation-induced erosion;
- On areas where vegetative cover is absent or inadequate or timely vegetation establishment may not be feasible;
- On areas where plant residues are inadequate to prevent wind erosion.

**ANIONIC POLYACRYLAMIDE (PAM) APPLICATION (450)**

Erosion control through application of water-soluble anionic polyacrylamide (PAM).

**D.1 (-) Soil Erosion: (-) Irrigation induced water erosion.**

**D2. (-) Soil erosion: (-) Sheet and rill, (-) Ephemeral water erosion.**

**D.3 (-) Soil erosion: (-) Wind erosion.**

**D.4 (+) Capitol investment and annual cost for product and application.**

**C.2. (+) Quality of receiving groundwater resources**

**C.3 (+) Air Quality of the Airshed**

**C4 (+/-) Human effects (economic) For individual applying practice: (+) Annual capital; (+) Labor, for application and management level; (-) Risk, Yield, (+) Risk, Cash Flow; (+) Profitability**

**C.1. (+) Quality of Aquatic Habitat**

**C.5 (+) Plant vigor and productivity**

**I.1 (+) Water Quantity by decreasing sediment loads in downstream conveyance and storage structure**

**I.2. (+) Surface water quality: (-) Sediment, (-) Nutrients and organics: and (-) Pesticides in runoff water.**

**I.4 (-) Groundwater quality: (+) Pesticides in groundwater**

**I.5 (+) Air Quality: (-) PM 10 and PM 2.5 Particulate matter; (+) Visibility**

**I.6 (-) Energy: (-) Depletion of Fossil Fuel Resources used in cleaning out storage and conveyance structures**

**I.7. (+) Soil Quality**

**I.8. (+) Quality of receiving surface water resources**

**I.9. (-) Water Quality in the airshed**

**C.4 (+) Human effects.**

**C.5 (+) Plant vigor and productivity**

**C.6 (+) Erosion control through application of water-soluble anionic polyacrylamide (PAM).**

**D. (-) Soil erosion: (-) Wind erosion.**

**D.4 (+) Capitol investment and annual cost for product and application.**

**C.4 (+/-) Human effects (economic) For individual applying practice: (+) Annual capital; (+) Labor, for application and management level; (-) Risk, Yield, (+) Risk, Cash Flow; (+) Profitability**

**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.