NRCS CONSERVATION PRACTICE EFFECTS - NETWORK DIAGRAM

Windbreak/Shelterbelt Establishment (380),
Windbreak/Shelterbelt Renovation (650)

Initial setting: (1) Cropland, forage land, animal feeding operations; or urban area where wind erosion, snow drift, plant, animal, and human stress related to wind or temperature; energy consumption; or odor are concerns; (2) existing decaying windbreaks/shelterbelts that have reduced functionality for intended purposes

D.1 (+) Cost for installation and maintenance (O&M)
D.2 (-) Land available for crop production
D.3 (+) Initial wood fiber growth rate
D.4 (+) Litter buildup on soil surface
D.5 (+) Carbon storage
D.6 (+) Shade and habitat
D.7 (+/-) D.8 (-) Wind velocity
D.9 (-) Microclimate extremes
D.10 (+) Intercapture of precipitation
D.11 (+) Evapotranspiration
D.12 (-) Pesticide drift
D.13 (+/-) Quality and production of livestock and/or crops
D.14 (+) Potential income
D.15 (+) Energy conservation
D.16 (+) Infiltration of precipitation and soil storage
D.17 (+) Airborne particulate matter, odor, wind-borne snow and sediment deposition

I.1 (-) Later wood fiber growth rate and plant health
I.2 (+/-) Harvestable wood fiber for renewable biomass/fuel
I.3 (+/-) Potential income
I.4 (+/-) Return to producer
I.5 (+) Soil quality
I.6 (-) Greenhouse gases
I.7 (+) Woody corridor wildlife; (-) habitat fragmentation
I.8 (+) Wildlife health and populations
I.9 (+) Recreational opportunities
I.10 (-) Airborne particulate matter, odor, wind-borne snow and sediment deposition
I.11 (-) Snow removal
I.12 (-) Pesticide drift
I.13 (+/-) Quality and production of livestock and/or crops
I.14 (+) Potential income
I.15 (+) Energy conservation
I.16 (+) Infiltration of precipitation and soil storage
C.1 (+) Air quality of airshed
C.2 (+) Health of humans and animals; (-) associated costs
C.3 (+) Water quality of receiving waterway or aquifer

LEGEND

Mitigating practice
Associated practice
# Created by practice
D. Direct effect
I. Indirect effect
C. Cumulative effect
Pathway

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.