Salinity and Sodic Soil Management (610)

1. Modify physical and chemical soil properties through leaching, drainage, and/or plant management

I.1 (+) Potential to increase land in agricultural production

I.2 (+) Plant productivity and vigor (crops and/or forage species)

I.3 (+) Quality and palatability of adapted forage species

D.2 (-) Accumulation of harmful salts and sodium at soil surface and in root zone

I.4 (+) Potential for salinity, pathogens, and other contaminants leaching to ground and surface waters

Irrigation Water Management (449)

I.5 (+) Crop production and forage for livestock

I.6 (+) Soil quality

I.7 (+) Surface and ground water quality

I.8 (+) Net return to producer

I.9 (+) Water use efficiency on irrigated and nonirrigated lands

Nutrient Management (590)

C.1 (+) Farm/ranch profitability

C.2 (+) Environmental quality

C.3 (+) Income stability for community

D.1 (+) Implementation and maintenance costs

D.2 (-) Accumulation of harmful salts and sodium at soil surface and in root zone

I.4 (+) Potential for salinity, pathogens, and other contaminants leaching to ground and surface waters

Initial setting: All land uses requiring management to control harmful accumulations of salts and sodium

LEGEND

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

Note:
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.