

10—Avar-Manzanola complex, 0 to 3 percent slopes

Map Unit Setting

- *Elevation:* 4,400 to 5,600 feet
- *Mean annual precipitation:* 11 to 15 inches
- *Mean annual air temperature:* 46 to 52 degrees F
- *Frost-free period:* 130 to 180 days

Map Unit Composition

- *Avar and similar soils:* 45 percent
- *Manzanola and similar soils:* 40 percent
- *Minor components:* 15 percent

Description of Avar

Setting

- *Landform:* Swales
- *Down-slope shape:* Linear
- *Across-slope shape:* Linear
- *Parent material:* Calcareous loamy alluvium

Properties and qualities

- *Slope:* 0 to 3 percent
- *Depth to restrictive feature:* More than 80 inches
- *Drainage class:* Well drained
- *Capacity of the most limiting layer to transmit water (Ksat):* Moderately low to moderately high (0.06 to 0.60 in/hr)
- *Depth to water table:* More than 80 inches
- *Frequency of flooding:* None
- *Frequency of ponding:* None
- *Calcium carbonate, maximum content:* 15 percent
- *Maximum salinity:* Very slightly saline to strongly saline (4.0 to 32.0 mmhos/cm)
- *Sodium adsorption ratio, maximum:* 250.0
- *Available water capacity:* Moderate (about 6.6 inches)

Interpretive groups

- *Farmland classification:* Not prime farmland
- *Land capability (nonirrigated):* 7s
- *Hydrologic Soil Group:* D
- *Ecological site:* Salt Flat (R067XY033CO)

Typical profile

- *0 to 3 inches*: Fine sandy loam
- *3 to 8 inches*: Clay loam
- *8 to 60 inches*: Sandy clay loam

Description of Manzanola

Setting

- *Landform*: Swales
- *Down-slope shape*: Linear
- *Across-slope shape*: Linear
- *Parent material*: Calcareous clayey alluvium

Properties and qualities

- *Slope*: 0 to 3 percent
- *Depth to restrictive feature*: More than 80 inches
- *Drainage class*: Well drained
- *Capacity of the most limiting layer to transmit water (Ksat)*: Very low to moderately high (0.00 to 0.20 in/hr)
- *Depth to water table*: More than 80 inches
- *Frequency of flooding*: None
- *Frequency of ponding*: None
- *Calcium carbonate, maximum content*: 5 percent
- *Gypsum, maximum content*: 3 percent
- *Maximum salinity*: Nonsaline to slightly saline (0.0 to 8.0 mmhos/cm)
- *Sodium adsorption ratio, maximum*: 15.0
- *Available water capacity*: High (about 9.6 inches)

Interpretive groups

- *Farmland classification*: Not prime farmland
- *Land capability (nonirrigated)*: 4e
- *Hydrologic Soil Group*: C
- *Ecological site*: Clayey Plains (R067BY042CO)

Typical profile

- *0 to 3 inches*: Clay loam
- *3 to 18 inches*: Clay
- *18 to 48 inches*: Clay
- *48 to 60 inches*: Clay loam

Minor Components

Heldt

- *Percent of map unit*: 8 percent

Mollic halaquepts

- *Percent of map unit: 7 percent*
- *Landform: Swales*