

Prowers County, Colorado

NtB—Numa clay loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 35q0
Elevation: 3,300 to 4,200 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 52 to 55 degrees F
Frost-free period: 150 to 170 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Numa and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Numa

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey alluvium from irrigation water over calcareous loamy eolian deposits

Typical profile

Ap - 0 to 8 inches: clay loam
Bk - 8 to 30 inches: clay loam
C1 - 30 to 49 inches: loam
C2 - 49 to 72 inches: sandy clay loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 40 percent
Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 6.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 2.0
Available water storage in profile: High (about 9.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: C

Ecological site: Loamy plains (R069XY006CO)

Other vegetative classification: LOAMY PLAINS (069XY006CO_1)

Minor Components

Harvey

Percent of map unit: 5 percent

Landform: Plains

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Stoneham

Percent of map unit: 5 percent

Landform: Plains

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Data Source Information

Soil Survey Area: Prowers County, Colorado

Survey Area Data: Version 12, Dec 23, 2013