

## 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