

Weld County, Colorado, Northern Part

38—Nucla loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,500 to 5,500 feet
Mean annual precipitation: 11 to 13 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 120 to 160 days

Map Unit Composition

Nucla and similar soils: 85 percent
Minor components: 15 percent

Description of Nucla

Setting

Landform: Plains
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 high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: High (about 10.1 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 2e
Land capability (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Loam
4 to 60 inches: Clay loam

Minor Components

Bushman

Percent of map unit: 5 percent

Nunn

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013