

Weld County, Colorado, Northern Part

54—Platner loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,500 to 5,900 feet
Mean annual precipitation: 17 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 165 days

Map Unit Composition

Platner and similar soils: 80 percent
Minor components: 20 percent

Description of Platner

Setting

Landform: Stream terraces, 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 low to moderately high (0.06 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: 10 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Moderate (about 8.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability (nonirrigated): 3e
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Loam
4 to 24 inches: Clay
24 to 60 inches: Sandy loam

Minor Components

Ascalon

Percent of map unit: 8 percent

Manzanola

Percent of map unit: 6 percent

Nunn

Percent of map unit: 6 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 8, Apr 30, 2009

Weld County, Colorado, Northern Part

61—Stoneham fine sandy loam, 0 to 6 percent slopes

Map Unit Setting

Elevation: 4,000 to 6,500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 170 days

Map Unit Composition

Stoneham and similar soils: 90 percent
Minor components: 10 percent

Description of Stoneham

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 0 to 6 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
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: High (about 11.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability (nonirrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 5 inches: Fine sandy loam
5 to 8 inches: Clay loam
8 to 14 inches: Loam
14 to 60 inches: Sandy loam, gravelly sandy loam

Minor Components

Mitchell

Percent of map unit: 5 percent

Kim

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 8, Apr 30, 2009