

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: Plains, stream terraces

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

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 3e

Hydrologic Soil Group: C

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