

Weld County, Colorado, Northern Part

4—Ascalon fine sandy loam, 0 to 6 percent slopes

Map Unit Setting

National map unit symbol: 35zs

Elevation: 4,500 to 6,500 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 46 to 57 degrees F

Frost-free period: 130 to 160 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Ascalon and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ascalon

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 8 inches: fine sandy loam

H2 - 8 to 22 inches: sandy clay loam

H3 - 22 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 6 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 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 in profile: 10 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Loamy plains (R067BY002CO)

Minor Components

Olney

Percent of map unit: 8 percent

Otero

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013

Weld County, Colorado, Northern Part

51—Peetz gravelly sandy loam, 5 to 20 percent slopes

Map Unit Setting

National map unit symbol: 3606

Elevation: 3,500 to 6,500 feet

Mean annual precipitation: 15 to 19 inches

Mean annual air temperature: 48 to 50 degrees F

Frost-free period: 120 to 150 days

Farmland classification: Not prime farmland

Map Unit Composition

Peetz and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Peetz

Setting

Landform: Breaks, ridges

Landform position (two-dimensional): Backslope, shoulder

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous gravelly alluvium

Typical profile

H1 - 0 to 4 inches: gravelly sandy loam

H2 - 4 to 60 inches: very gravelly sand

Properties and qualities

Slope: 5 to 20 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 20 percent

Available water storage in profile: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: A

Ecological site: Gravel breaks (R067BY063CO)

Minor Components

Wages

Percent of map unit: 10 percent

Altvan

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 3 percent

Bushman

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013