

Larimer County Area, Colorado

78—Otero sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: jpxs

Elevation: 4,800 to 5,600 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 48 to 50 degrees F

Frost-free period: 135 to 150 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Otero and similar soils: 85 percent

Minor components: 15 percent

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

Description of Otero

Setting

Landform: Fans

Landform position (three-dimensional): Base slope, side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 15 inches: sandy loam

H2 - 15 to 60 inches: sandy loam, fine sandy loam, loamy very fine sand

H2 - 15 to 60 inches:

H2 - 15 to 60 inches:

Properties and qualities

Slope: 3 to 5 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: Very 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: 5 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Very high (about 15.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A
Ecological site: Sandy Plains (R067BY024CO)
Hydric soil rating: No

Minor Components

Ascalon

Percent of map unit: 5 percent
Hydric soil rating: No

Kim

Percent of map unit: 5 percent
Hydric soil rating: No

Nelson

Percent of map unit: 5 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Larimer County Area, Colorado
Survey Area Data: Version 11, Sep 23, 2016