

Map Unit Description

Weld County, Colorado, Southern Part

8 Ascalon loam, 0 to 1 percent slopes

Setting

Elevation: 4500 to 4900 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Ascalon

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.0 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4c

Typical Profile

0 to 8 inches: loam
8 to 18 inches: sandy clay loam
18 to 60 inches: fine sandy loam
60 to 64 inches: fine sandy loam

Minor Components

Olney

Percent of map unit: 8 percent

Nunn

Percent of map unit: 4 percent

Platner

Percent of map unit: 3 percent