

Map Unit Description

Yuma County, Colorado

3 Ascalon sandy loam, 3 to 5 percent slopes

Setting

Elevation: 3500 to 4200 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 160 days

Composition

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

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, old alluvium

Properties and Qualities

Slope: 3 to 5 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 7.9 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 3e
Ecological site: Sandy Plains (R072XY023CO)

Typical Profile

0 to 6 inches: sandy loam
6 to 18 inches: sandy clay loam
18 to 44 inches: fine sandy loam
44 to 60 inches: loamy fine sand

Minor Components

Manter

Percent of map unit: 5 percent

Eroded soils

Percent of map unit: 5 percent