

Map Unit Description

Phillips County, Colorado

AsC Ascalon sandy loam, 3 to 5 percent slopes

Setting

Mean annual precipitation: 17 to 20 inches
Frost-free period: 160 to 160 days

Composition

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

Description of Ascalon

Setting

Landform: Ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Moderately coarse-textured eolian deposits

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 (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Available water capacity: Moderate (about 6.9 inches)

Interpretive Groups

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

Typical Profile

0 to 10 inches: sandy loam
10 to 19 inches: sandy clay loam
19 to 27 inches: sandy clay loam
27 to 60 inches: fine sandy loam

Minor Components

Other soils

Percent of map unit: 9 percent

Rock outcrop

Percent of map unit: 1 percent