

Map Unit Description

Lincoln County, Colorado

103 Ascalon sandy loam, 1 to 3 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

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

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.9 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: sandy loam
4 to 15 inches: sandy clay loam
15 to 60 inches: fine sandy loam

Minor Components

Haxtun soils

Percent of map unit: 5 percent
Landform: Drainageways
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Platner soils

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Arvada soils

Percent of map unit: 3 percent
Landform: Fans, drainageways
Other vegetative classification: Salt Flat (069AY033CO_1)

Olneet soils

Percent of map unit: 2 percent
Landform: Plains
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Pleasant soils

Percent of map unit: 2 percent
Landform: Depressions
Ecological site: Plains Swale (R067XY010CO)

Map Unit Description

Lincoln County, Colorado

109 Ascalon-Haxtun complex, 0 to 3 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

Ascalon and similar soils: 55 percent
Haxtun and similar soils: 30 percent
Minor components: 15 percent

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.9 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: sandy loam
4 to 15 inches: sandy clay loam
15 to 60 inches: fine sandy loam

Description of Haxtun

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 2 percent
Available water capacity: Moderate (about 8.9 inches)

Interpretive Groups

Land capability (non irrigated): 3e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: loamy sand
4 to 17 inches: sandy loam
17 to 44 inches: sandy clay loam
44 to 60 inches: silt loam

Map Unit Description

Lincoln County, Colorado

Minor Components

Pleasant soils

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Platner soils

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Vona soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Oldest soils

Percent of map unit: 3 percent

Landform: Plains

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Otero soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)