

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)

Map Unit Description

Lincoln County, Colorado

194 Valent-Bijou complex, 1 to 12 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

Valent and similar soils: 55 percent
Bijou and similar soils: 30 percent
Minor components: 15 percent

Description of Valent

Setting

Landform: Dunes
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 1 to 12 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (6.00 to 19.99 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 3 inches: sand
3 to 60 inches: sand

Description of Bijou

Setting

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

Properties and Qualities

Slope: 1 to 12 percent
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 0 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.5 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 4 inches: loamy sand
4 to 9 inches: loamy sand
9 to 36 inches: sandy loam
36 to 60 inches: loamy sand

Map Unit Description

Lincoln County, Colorado

Minor Components

Apishapa soils

Percent of map unit: 4 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Oldest soils

Percent of map unit: 4 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Truckton soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: Sandy Plains (069XY026CO_1)

Otero soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Gravel pits

Percent of map unit: 1 percent