

Map Unit Description

Arapahoe County, Colorado

AdC Adena-Colby silt loams, 1 to 5 percent slopes

Setting

Elevation: 4700 to 6200 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 120 to 170 days

Composition

Adena and similar soils: 65 percent
Colby and similar soils: 25 percent
Minor components: 10 percent

Description of Adena

Setting

Landform: Drainageways, hills
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 1 to 5 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: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 2 inches: silt loam
2 to 19 inches: clay loam, silty clay loam
19 to 60 inches: loam, silt loam, very fine sandy loam

Description of Colby

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy eolian deposits and/or fine-silty eolian deposits

Properties and Qualities

Slope: 1 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: 20 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability (non irrigated): 3c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: silt loam
4 to 60 inches: silt loam, loam

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Minor Components

Weld

Percent of map unit: 7 percent

Loamy alluvial land

Percent of map unit: 3 percent