

Map Unit Description

Weld County, Colorado, Southern Part

18 Colby-Adena loams, 3 to 9 percent slopes

Setting

Elevation: 4750 to 4900 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 120 to 160 days

Composition

Colby and similar soils: 55 percent
Adena and similar soils: 30 percent
Minor components: 15 percent

Description of Colby

Setting

Landform: Ridges, hills, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 5 to 9 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
Gypsum maximum: 0 percent
Available water capacity: High (about 10.6 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Loamy Slopes (R067BY008CO)

Typical Profile

0 to 7 inches: loam
7 to 60 inches: silt loam

Description of Adena

Setting

Landform: Hills, plains, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 3 to 7 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 10.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 6 inches: loam
6 to 9 inches: clay loam
9 to 60 inches: silt loam

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Minor Components

Kim

Percent of map unit: 5 percent

Keith

Percent of map unit: 4 percent

Wiley

Percent of map unit: 3 percent

Weld

Percent of map unit: 3 percent