

Map Unit Description

Weld County, Colorado, Southern Part

Thornton USX NOS-09D
Thornton USX NOS-10D
Thornton USX NOS-23D
Sec. 5, T5N, R67W

15 Colby loam, 1 to 3 percent slopes

Setting

Landscape: Uplands
Elevation: 4850 to 5050 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 135 to 155 days

Composition

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

Description of Colby

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous 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 (0.57 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 classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

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

Minor Components

Wiley

Percent of map unit: 9 percent

Keith

Percent of map unit: 6 percent

Map Unit Description

Weld County, Colorado, Southern Part

Thornton VSY N05-09D
Thornton VSY N05-10D
Thornton VSY N05-23D
Sec. 5, T5N, R67W

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Kim loam, 5 to 9 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 150 days

Composition

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

Description of Kim

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed eolian deposits derived from sedimentary rock

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 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.8 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: Loamy Slopes (R067BY008CO)

Typical Profile

0 to 10 inches: loam
10 to 35 inches: loam
35 to 60 inches: fine sandy loam

Minor Components

Otero

Percent of map unit: 6 percent

Valent

Percent of map unit: 4 percent