

Map Unit Description

Weld County, Colorado, Southern Part

16 Colby loam, 3 to 5 percent slopes

Setting

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

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

Properties and Qualities

Slope: 3 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: 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: 8 percent

Keith

Percent of map unit: 7 percent

Map Unit Description

Weld County, Colorado, Southern Part

JESSER USX S03-05
T4N-R6&W-GTH P.M.
SECTION 3: SWNW
WELD COUNTY, COLORADO
(PRODUCTION FACILITY)

42 Nunn clay loam, 1 to 3 percent slopes

Setting

Elevation: 4550 to 5150 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 180 days

Composition

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

Description of Nunn

Setting

Landform: Plains, terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or 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 low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.1 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4c
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 9 inches: clay loam
9 to 29 inches: clay loam
29 to 60 inches: sandy loam

Minor Components

Haverson

Percent of map unit: 9 percent

Heldt

Percent of map unit: 6 percent