

Weld County, Colorado, Northern Part

30—Keith loam, 0 to 6 percent slopes

Map Unit Setting

Elevation: 5,000 to 6,000 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 150 days

Map Unit Composition

Keith and similar soils: 83 percent
Minor components: 17 percent

Description of Keith

Setting

Landform: Swales, stream terraces, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Available water capacity: High (about 10.7 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Loam
4 to 20 inches: Silt loam
20 to 60 inches: Silt loam

Minor Components

Weld

Percent of map unit: 8 percent

Wages

Percent of map unit: 4 percent

Kim

Percent of map unit: 3 percent

Mitchell

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009