

Map Unit Description

Weld County, Colorado, Southern Part

1 Altvan loam, 0 to 1 percent slopes

Setting

Elevation: 4500 to 4900 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 130 to 150 days

Composition

Altvan and similar soils: 90 percent
Minor components: 1 percent

Description of Altvan

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Old alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.7 inches)

Interpretive Groups

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

Typical Profile

0 to 10 inches: loam
10 to 25 inches: clay loam
25 to 60 inches: gravelly sand

Minor Components

Aquic haplustolls

Percent of map unit: 1 percent
Landform: Swales