

Map Unit Description

Weld County, Colorado, Northern Part

2 Altvan fine sandy loam, 6 to 9 percent slopes

Setting

Elevation: 3500 to 5500 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: 85 percent
Minor components: 15 percent

Description of Altvan

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous gravelly alluvium

Properties and Qualities

Slope: 6 to 9 percent
Depth to restrictive feature: 20 to 40 inches to Strongly contrasting textural stratification
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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.9 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 3 inches: fine sandy loam
3 to 19 inches: sandy clay loam
19 to 23 inches: sandy clay loam
23 to 60 inches: gravelly coarse sand

Minor Components

Cascajo

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 5 percent

Peetz

Percent of map unit: 5 percent