

Map Unit Description

Weld County, Colorado, Northern Part

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Altvan fine sandy loam, 0 to 6 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: 0 to 6 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 4.6 inches)

Interpretive Groups

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

Typical Profile

0 to 6 inches: fine sandy loam
6 to 22 inches: sandy clay loam
22 to 27 inches: sandy clay loam
27 to 60 inches: gravelly coarse sand

Minor Components

Ascalon

Percent of map unit: 5 percent

Cascajo

Percent of map unit: 5 percent

Peetz

Percent of map unit: 5 percent