

Map Unit Description

Weld County, Colorado, Northern Part

71 Vona loamy sand, 0 to 3 percent slopes

Setting

Elevation: 4000 to 5500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Vona

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous sandy alluvium and/or eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.5 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 2 inches: loamy sand
2 to 20 inches: fine sandy loam, sandy loam
20 to 60 inches: loamy sand

Minor Components

Remmit

Percent of map unit: 8 percent

Julesburg

Percent of map unit: 5 percent

Olney

Percent of map unit: 2 percent