

Map Unit Description

Yuma County, Colorado

14 Dwyer-Vona loamy sands, 3 to 9 percent slopes

Setting

Elevation: 3500 to 5000 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 125 to 170 days

Composition

Dwyer and similar soils: 60 percent
Vona and similar soils: 25 percent
Minor components: 15 percent

Description of Dwyer

Setting

Landform: Drainageways, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 3 to 9 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 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): 4s
Land capability (non irrigated): 4s
Ecological site: Deep Sands (R072XY016CO)

Typical Profile

0 to 12 inches: loamy sand
12 to 30 inches: loamy sand
30 to 60 inches: fine sand

Description of Vona

Setting

Landform: Drainageways, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 12 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.7 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R072XY023CO)

Typical Profile

0 to 18 inches: loamy sand
18 to 34 inches: fine sandy loam
34 to 44 inches: very fine sandy loam

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44 to 60 inches: loamy fine sand

Minor Components

Manter

Percent of map unit: 10 percent

Dailey

Percent of map unit: 5 percent