

# Map Unit Description

Morgan County, Colorado

## **Va Valentine sand**

### **Setting**

Landscape: Uplands  
Elevation: 3600 to 5000 feet  
Mean annual precipitation: 13 to 19 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 130 to 180 days

### **Composition**

Valent and similar soils: 95 percent  
Minor components: 5 percent

### **Description of Valent**

#### **Setting**

Landform: Dunes  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Sand loamy

#### **Properties and Qualities**

Slope: 1 to 5 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: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.7 inches)

#### **Interpretive Groups**

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sand (R067BY015CO)

#### **Typical Profile**

0 to 7 inches: sand  
7 to 60 inches: loamy sand

### **Minor Components**

#### **Dwyer**

Percent of map unit: 5 percent