

# Map Unit Description

Morgan County, Colorado

## **FcB Fort Collins loam, 1 to 3 percent slopes**

### **Setting**

Elevation: 4500 to 6500 feet  
Mean annual precipitation: 10 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 130 to 170 days

### **Composition**

Fort collins and similar soils: 80 percent  
Minor components: 20 percent

### **Description of Fort collins**

#### **Setting**

Landform: Stream terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Lime loamy

#### **Properties and Qualities**

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 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: High (about 10.1 inches)

#### **Interpretive Groups**

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4c  
Ecological site: Loamy Plains (R067BY002CO)

#### **Typical Profile**

0 to 10 inches: loam  
10 to 16 inches: clay loam  
16 to 60 inches: loam

### **Minor Components**

#### **Stoneham**

Percent of map unit: 10 percent

#### **Vona**

Percent of map unit: 5 percent

#### **Altvan**

Percent of map unit: 5 percent