

# Map Unit Description

Jackson County Area, Colorado

## Cr Crespin-Carlstrom clays

### Setting

Elevation: 8000 to 8800 feet  
Mean annual precipitation: 9 to 12 inches  
Mean annual air temperature: 36 to 38 degrees F  
Frost-free period: 30 to 40 days

### Composition

Crespin and similar soils: 55 percent  
Carlstrom and similar soils: 35 percent

### Description of Crespin

#### Setting

Landform: Valleys, fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Weathered shale

#### Properties and Qualities

Slope: 5 to 15 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 9.0 inches)

#### Interpretive Groups

Land capability (non irrigated): 6c  
Ecological site: Mountain Shale (R048AY244CO)

#### Typical Profile

0 to 9 inches: clay  
9 to 60 inches: clay

### Description of Carlstrom

#### Setting

Landform: Fans  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Weathered shale

#### Properties and Qualities

Slope: 5 to 15 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 2 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 3.9 inches)

#### Interpretive Groups

Land capability (non irrigated): 6c  
Ecological site: Mountain Shale (R048AY244CO)

#### Typical Profile

0 to 7 inches: clay  
7 to 26 inches: clay  
26 to 30 inches: weathered bedrock