

**Map Unit Description**

Weld County, Colorado, Southern Part

**57 Renohill clay loam, 3 to 9 percent slopes****Setting**

Elevation: 4850 to 5200 feet  
 Mean annual precipitation: 11 to 16 inches  
 Mean annual air temperature: 46 to 48 degrees F  
 Frost-free period: 100 to 160 days

**Composition**

Renohill and similar soils: 85 percent  
 Minor components: 13 percent

**Description of Renohill****Setting**

Landform: Ridges, hills  
 Down-slope shape: Linear  
 Across-slope shape: Linear  
 Parent material: Residuum weathered from shale

**Properties and Qualities**

Slope: 3 to 9 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: 5 percent  
 Gypsum maximum: 0 percent  
 Available water capacity: Low (about 5.6 inches)

**Interpretive Groups**

Land capability classification (irrigated): 4e  
 Land capability (non irrigated): 4e  
 Ecological site: Clayey Plains (R067BY042CO)

**Typical Profile**

0 to 9 inches: clay loam  
 9 to 32 inches: clay loam  
 32 to 36 inches: unweathered bedrock

**Minor Components****Shingle**

Percent of map unit: 8 percent

**Ulm**

Percent of map unit: 5 percent

## Map Unit Description

Weld County, Colorado, Southern Part

MILLER L29-24D

TOWNSHIP 3 NORTH, RANGE 66 WEST

6TH P.M.

SECTION 29: NWSE

WELD COUNTY, COLORADO

### 72 Vona loamy sand, 0 to 3 percent slopes

#### Setting

Elevation: 4600 to 5200 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: Terraces, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: 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 classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 6 inches: loamy sand  
6 to 28 inches: fine sandy loam  
28 to 60 inches: sandy loam

#### Minor Components

##### Remmit

Percent of map unit: 10 percent

##### Valent

Percent of map unit: 5 percent