

NYGREN 019-02D  
T4N-R67W-6th P.M.  
SECTION 19: NE<sub>14</sub>NE<sub>14</sub>  
WELD COUNTY, CO

## Map Unit Description

Weld County, Colorado, Southern Part

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### Kim loam, 5 to 9 percent slopes

#### Setting

Elevation: 4900 to 5250 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 125 to 150 days

#### Composition

Kim and similar soils: 90 percent  
Minor components: 10 percent

#### Description of Kim

##### Setting

Landform: Alluvial fans, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed eolian deposits derived from sedimentary rock

##### Properties and Qualities

Slope: 5 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.8 inches)

##### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Slopes (R067BY008CO)

##### Typical Profile

0 to 10 inches: loam  
10 to 35 inches: loam  
35 to 60 inches: fine sandy loam

#### Minor Components

##### Otero

Percent of map unit: 6 percent

##### Valent

Percent of map unit: 4 percent

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NYGREN 019-02D  
T4N - R67W - 6th P.M.  
SECTION 19 : NE<sub>1/4</sub>NE<sub>1/4</sub>  
WELD COUNTY, CO

## Map Unit Description

Weld County, Colorado, Southern Part

### 61 Tassel fine sandy loam, 5 to 20 percent slopes

#### Setting

Elevation: 4850 to 5200 feet  
Mean annual precipitation: 12 to 19 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 110 to 165 days

#### Composition

Tassel and similar soils: 85 percent  
Minor components: 15 percent

#### Description of Tassel

##### Setting

Landform: Breaks  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from sandstone

##### Properties and Qualities

Slope: 5 to 20 percent  
Depth to restrictive feature: 10 to 20 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: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Very low (about 2.0 inches)

##### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Sandstone Breaks (R067BY056CO)

##### Typical Profile

0 to 11 inches: fine sandy loam  
11 to 15 inches: very fine sandy loam  
15 to 20 inches: weathered bedrock

#### Minor Components

##### Otero

Percent of map unit: 8 percent

##### Terry

Percent of map unit: 7 percent