

(prod facility) Northrup C08-27D  
Northrup C08-73HN  
Northrup C08-75HN  
T4N - R24W - 6th P.M.  
Section 8: NWNE  
Weld County, CO

## Map Unit Description

Weld County, Colorado, Southern Part

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### Renohill clay loam, 0 to 3 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: 15 percent

#### Description of Renohill

##### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from shale

##### Properties and Qualities

Slope: 0 to 3 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): 3e  
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

##### Ulm

Percent of map unit: 10 percent

##### Shingle

Percent of map unit: 5 percent

(prod facility) Northrup C08-27D  
Northrup C08-73HN  
Northrup C08-75HN

## Map Unit Description

Weld County, Colorado, Southern Part

T4N - R64W - 6<sup>th</sup> P.M.  
Section 8: NWNE  
Weld County, CO

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### Terry fine sandy loam, 0 to 3 percent slopes

#### Setting

Elevation: 4500 to 5000 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 120 to 180 days

#### Composition

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

#### Description of Terry

##### Setting

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

##### Properties and Qualities

Slope: 0 to 3 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 high (0.06 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: Low (about 4.4 inches)

##### Interpretive Groups

Land capability classification (irrigated): 4s  
Land capability (non irrigated): 4e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 6 inches: fine sandy loam  
6 to 18 inches: fine sandy loam  
18 to 37 inches: fine sandy loam  
37 to 41 inches: weathered bedrock

#### Minor Components

##### Olney

Percent of map unit: 11 percent

##### Tassel

Percent of map unit: 4 percent