

## Weld County, Colorado, Northern Part

### 45—Olney fine sandy loam, 6 to 9 percent slopes

Reagan L006-685 Pad

T9W-R58W

Section 05: NENE

#### Map Unit Setting

*Elevation:* 3,500 to 5,800 feet  
*Mean annual precipitation:* 11 to 15 inches  
*Mean annual air temperature:* 46 to 54 degrees F  
*Frost-free period:* 125 to 175 days

Reagan L006-685,680,675,670

#### Map Unit Composition

*Olney and similar soils:* 85 percent  
*Minor components:* 15 percent

#### Description of Olney

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 6 inches:* neutral, fine sandy loam  
*H2 - 6 to 18 inches:* neutral, sandy clay loam  
*H3 - 18 to 60 inches:* moderately alkaline, sandy loam  
*H4 - 60 to 64 inches:* strongly alkaline, sandy loam

##### Properties and qualities

*Slope:* 6 to 9 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.57 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 15 percent  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 8.1 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R067BY002CO)

#### Minor Components

##### Ascalon

*Percent of map unit:* 5 percent

Map Unit Description: Olney fine sandy loam, 6 to 9 percent slopes---Weld County, Colorado,  
Northern Part

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**Stoneham**

*Percent of map unit: 5 percent*

**Vona**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013

## Weld County, Colorado, Northern Part

Reagan LD06-685 Pad  
T9N - R58W  
Section 05: NENE

### 4—Ascalon fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 4,500 to 6,500 feet  
*Mean annual precipitation:* 13 to 17 inches  
*Mean annual air temperature:* 46 to 57 degrees F  
*Frost-free period:* 130 to 160 days

Reagan LD06-685, 680, 675, 670

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent  
*Minor components:* 15 percent

#### Description of Ascalon

##### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Calcareous loamy alluvium

##### Typical profile

*H1 - 0 to 8 inches:* neutral, fine sandy loam  
*H2 - 8 to 22 inches:* neutral, sandy clay loam  
*H3 - 22 to 60 inches:* strongly alkaline, sandy loam

##### Properties and qualities

*Slope:* 0 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Natural drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):*  
Moderately high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum in profile:* 10 percent  
*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 6.9 inches)

##### Interpretive groups

*Farmland classification:* Farmland of statewide importance  
*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R067BY002CO)

#### Minor Components

##### Olney

*Percent of map unit:* 8 percent

Reagan 2D06-685  
PAD

Map Unit Description: Ascalon fine sandy loam, 0 to 6 percent slopes---Weld County, Colorado,  
Northern Part

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Otero

*Percent of map unit: 7 percent*

## Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part  
Survey Area Data: Version 9, Dec 23, 2013