Well Name: Sater C13-27D, 13-28D, 13-29D
13-18D

Legal: 4N-64W
Section 13: NWNE

Map Unit Description

Weld County, Colorado, Southern Part

40 Nunn loam, 1 to 3 percent slopes

Setting

Elevation: 4550 to 5000 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 180 days

Composition

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

Description of Nunn

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium

Properties and Qualities

Slope: 1 to 3 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 9.0 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 9 inches: loam
9 to 29 inches: clay loam
29 to 40 inches: sandy loam
40 to 60 inches: sandy loam

Minor Components

Dacono
Percent of map unit: 5 percent

Heldt
Percent of map unit: 4 percent

Altvan
Percent of map unit: 3 percent

Platner
Percent of map unit: 3 percent

Well Name: Suter C13-27D, C13-28D, 13-29D
13-18D

Map Unit Description

Legal: 4N-64W
Sec. 13: NwNE

Weld County, Colorado, Southern Part

41 Nunn clay loam, 0 to 1 percent slopes

Setting

Elevation: 4550 to 5150 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 180 days

Composition

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

Description of Nunn

Setting

Landform: Plains, terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian deposits

Properties and Qualities

Slope: 0 to 1 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.1 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 9 inches: clay loam
9 to 29 inches: clay loam
29 to 60 inches: sandy loam

Minor Components

Heldt

Percent of map unit: 7 percent

Dacono

Percent of map unit: 4 percent

Altvan

Percent of map unit: 4 percent

Well Name: Sater C13-27D, C13-28D, 13-29D
13-15D

Map Unit Description

Legal: 4N-64W
Sec. 13: NWNE

Weld County, Colorado, Southern Part

48 Olney fine sandy loam, 3 to 5 percent slopes

Setting

Elevation: 4600 to 5200 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 175 days

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: Mixed deposit outwash

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 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: Moderate (about 7.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4c
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 10 inches: fine sandy loam
10 to 20 inches: sandy clay loam
20 to 25 inches: sandy clay loam
25 to 60 inches: fine sandy loam

Minor Components

Zigweid

Percent of map unit: 9 percent

Vona

Percent of map unit: 6 percent