

Map Unit Description

Weld County, Colorado, Southern Part

LOCKMAN C14-30
T4N, R64W, 6th P.M.
Sec. 10: SE/4SE/4

19 Colombo clay loam, 0 to 1 percent slopes

Setting

Elevation: 4600 to 4780 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 160 days

Composition

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

Description of Colombo

Setting

- Landform: Terraces, flood plains
- Down-slope shape: Linear
- Across-slope shape: Linear
- Parent material: Stratified, calcareous alluvium

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.4 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 3e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 14 inches: clay loam
14 to 21 inches: stratified loam to clay loam
21 to 60 inches: stratified sand to loam to clay loam

Minor Components

Nunn

Percent of map unit: 5 percent

Heldt

Percent of map unit: 5 percent

Dacono

Percent of map unit: 5 percent

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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