

Map Unit Description

Adams County Area, Parts of Adams and Denver Counties, Colorado

WuE Wiley-Adena-Renohill complex, 3 to 20 percent slopes

Setting

Elevation: 4000 to 5600 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 120 to 160 days

Composition

Wiley and similar soils: 40 percent
Adena and similar soils: 30 percent
Renohill and similar soils: 15 percent
Minor components: 15 percent

Description of Wiley

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear

Properties and Qualities

Slope: 9 to 20 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.9 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 3 inches: loam
3 to 13 inches: clay loam
13 to 60 inches: very fine sandy loam

Description of Adena

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from mixed

Properties and Qualities

Slope: 3 to 5 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: loam
4 to 22 inches: silty clay loam
22 to 60 inches: silt loam

Map Unit Description

Adams County Area, Parts of Adams and Denver Counties, Colorado

Description of Renohill

Setting

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

Properties and Qualities

Slope: 12 to 20 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.8 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: loam
4 to 23 inches: clay
23 to 28 inches: clay loam
28 to 32 inches: unweathered bedrock

Minor Components

Colby

Percent of map unit: 8 percent

Samsil

Percent of map unit: 4 percent

Shingle

Percent of map unit: 3 percent