

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

AaC—Adena loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 34vf
Elevation: 4,700 to 5,500 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 52 to 55 degrees F
Frost-free period: 120 to 160 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Adena and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Adena

Setting

Landform: Plains
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from mixed

Typical profile

H1 - 0 to 4 inches: loam
H2 - 4 to 22 inches: silty clay loam
H3 - 22 to 60 inches: silt loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high (0.20 to 0.60 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
Available water storage in profile: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: Loamy plains (R067BY002CO)

Minor Components

Colby

Percent of map unit: 15 percent

Weld

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties,
Colorado

Survey Area Data: Version 10, Dec 24, 2013