

Kit Carson County, Colorado

90—Wages loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 3,900 to 5,000 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 145 to 152 days

Map Unit Composition

Wages and similar soils: 80 percent
Minor components: 20 percent

Description of Wages

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

Typical profile

A - 0 to 5 inches: slightly alkaline, loam
Bt - 5 to 12 inches: slightly alkaline, loam
Bk - 12 to 17 inches: moderately alkaline, loam
C - 17 to 60 inches: moderately alkaline, loam

Properties and qualities

Slope: 0 to 2 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
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Ascalon

Percent of map unit: 5 percent
Landform: Plains
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Kimst

Percent of map unit: 5 percent

Landform: Plains

Landform position (two-dimensional): Summit

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Satanta

Percent of map unit: 5 percent

Landform: Paleoterraces

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Pleasant

Percent of map unit: 4 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Lodgepole

Percent of map unit: 1 percent

Landform: Depressions

Data Source Information

Soil Survey Area: Kit Carson County, Colorado

Survey Area Data: Version 9, Jan 3, 2014

Kit Carson County, Colorado

95—Weld silt loam, 0 to 2 percent slopes

Map Unit Setting

Elevation: 4,300 to 5,200 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 45 to 48 degrees F
Frost-free period: 145 to 148 days

Map Unit Composition

Weld and similar soils: 80 percent
Minor components: 20 percent

Description of Weld

Setting

Landform: Interfluves
Landform position (two-dimensional): Summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey loess, calcareous

Typical profile

A - 0 to 5 inches: slightly alkaline, silt loam
Bt1 - 5 to 12 inches: neutral, silty clay
Bt2 - 12 to 18 inches: neutral, silty clay
Bt3 - 18 to 28 inches: moderately alkaline, silty clay loam
C - 28 to 60 inches: strongly alkaline, silt loam

Properties and qualities

Slope: 0 to 2 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 low to moderately high (0.06 to 0.20 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 10.6 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Rago

Percent of map unit: 5 percent

Landform: Interfluves

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Keith

Percent of map unit: 5 percent

Landform: Interfluves

Landform position (two-dimensional): Summit

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Norka

Percent of map unit: 5 percent

Landform: Interfluves

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Pleasant

Percent of map unit: 4 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Lodgepole

Percent of map unit: 1 percent

Landform: Depressions

Data Source Information

Soil Survey Area: Kit Carson County, Colorado

Survey Area Data: Version 9, Jan 3, 2014

Kit Carson County, Colorado

92—Wages loam, 6 to 15 percent slopes

Map Unit Setting

Elevation: 3,900 to 5,000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 45 to 50 degrees F
Frost-free period: 145 to 148 days

Map Unit Composition

Wages and similar soils: 80 percent
Minor components: 20 percent

Description of Wages

Setting

Landform: Hills
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Fine-loamy eolian deposits over fine-loamy alluvium

Typical profile

A - 0 to 5 inches: slightly alkaline, loam
Bt - 5 to 12 inches: slightly alkaline, loam
Bk - 12 to 17 inches: moderately alkaline, loam
C - 17 to 60 inches: moderately alkaline, loam

Properties and qualities

Slope: 6 to 15 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
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Stoneham

Percent of map unit: 10 percent
Landform: Hills

Landform position (three-dimensional): Side slope

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Ascalon

Percent of map unit: 5 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Sampson

Percent of map unit: 5 percent

Landform: Drainageways

Ecological site: Overflow Central/South - Draft (R067XY036CO)

Data Source Information

Soil Survey Area: Kit Carson County, Colorado

Survey Area Data: Version 9, Jan 3, 2014