Map Unit Description

71   Mitchell-Norka loams, 0 to 3 percent slopes

Setting

Landscape: Tablelands
Elevation: 3600 to 5500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 160 days

Composition

Mitchell and similar soils: 50 percent
Norka and similar soils: 40 percent
Minor components: 10 percent

Description of Mitchell

Setting

Landform: Flats
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium and/or eolian deposits derived from siltstone

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.7 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Siltstone Plains (R067BY009CO)

Typical Profile

0 to 5 inches: loam
5 to 60 inches: silt loam

Description of Norka

Setting

Landform: Valley sides, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 0 to 3 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 10.4 inches)

Interpretive Groups

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

Typical Profile

0 to 4 inches: loam
4 to 15 inches: clay loam
15 to 60 inches: silt loam

Minor Components

Keota
Percent of map unit: 10 percent