

Map Unit Description

Weld County, Colorado, Northern Part

36 Manzanola clay loam, 0 to 3 percent slopes

Setting

Elevation: 4400 to 5600 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 180 days

Composition

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

Description of Manzanola

Setting

Landform: Stream terraces, swales, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous clayey alluvium

Properties and Qualities

Slope: 0 to 3 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: 5 percent
Gypsum maximum: 3 percent
Sodium adsorption ratio maximum: 15.0
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 3 inches: clay loam
3 to 25 inches: clay
25 to 48 inches: clay
48 to 60 inches: clay loam

Minor Components

Avar

Percent of map unit: 15 percent

Rangeland Productivity and Plant Composition

Weld County, Colorado, Northern Part

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
36:						
Manzanola	Clayey Plains	1,600	1,000	500	Western wheatgrass	30
					Fourwing saltbush	10
					Green needlegrass	10
					Needleandthread	5