

## Appearance of clay, clay loam, and silty clay loam soils at various soil moisture conditions.

### Available Water Capacity 1.6-2.4 inches/foot

**Percent Available:** Currently available soil moisture as a percent of available water capacity.

**In./ft. Depleted:** Inches of water needed to refill a foot of soil to field capacity.

#### 0-25 percent available 2.4-1.2 in./ft. depleted

Dry, soil aggregations separate easily, clods are hard to crumble with applied pressure. (Not pictured)



#### 25-50 percent available 1.8-0.8 in./ft. depleted

Slightly moist, forms a weak ball, very few soil aggregations break away, no water stains, clods flatten with applied pressure.



#### 50-75 percent available 1.2-0.4 in./ft. depleted

Moist, forms a smooth ball with defined finger marks, light soil/water staining on fingers, ribbons between thumb and forefinger.



#### 75-100 percent available 0.6-0.0 in./ft. depleted

Wet, forms a ball, uneven medium to heavy soil/water coating on fingers, ribbons easily between thumb and forefinger.

#### 100 percent available 0.0 in./ft. depleted (field capacity)

Wet, forms a soft ball, free water appears on soil surface after squeezing or shaking, thick soil/water coating on fingers, slick and sticky. (Not pictured)

## Appearance of sandy loam and fine sandy loam soils at various soil moisture conditions.

### Available Water Capacity 1.3-1.7 inches/foot

**Percent Available:** Currently available soil moisture as a percent of available water capacity.

**In./ft. Depleted:** Inches of water currently needed to refill a foot of soil to field capacity.

#### 0-25 percent available 1.7-1.0 in./ft. depleted

Dry, forms a very weak ball, aggregated soil grains break away easily from ball. (Not pictured)



#### 25-50 percent available 1.3-0.7 in./ft. depleted

Slightly moist, forms a weak ball with defined finger marks, darkened color, no water staining on fingers, grains break away.



#### 50-75 percent available 0.9-0.3 in./ft. depleted

Moist, forms a ball with defined finger marks, very light soil/water staining on fingers, darkened color, will not slick.



#### 75-100 percent available 0.4-0.0 in./ft. depleted

Wet, forms a ball with wet outline left on hand, light to medium staining on fingers, makes a weak ribbon between the thumb and forefinger.

#### 100 percent available 0.0 in./ft. depleted (field capacity)

Wet, forms a soft ball, free water appears briefly on soil surface after squeezing or shaking, medium to heavy soil/water coating on fingers. (Not pictured)