

BOOMER SERIES*

The Boomer series consists of well-drained soils underlain by weathered basic rock. These soils are gently rolling to steep and are on the middle part of the foothills. Slopes are 5 to 50 percent. The vegetation is ponderosa pine, black and live oak, brush, and forbs and annual grasses. Elevation ranges from 1,000 to 2,200 feet. The annual rainfall is 30 to 45 inches. Summer thundershowers occur infrequently. The average annual air temperature is 56° to 58°F. The frost-free season ranges from 200 to 260 days.

In a representative profile the surface layer is about 11 inches of brown, dark-brown, and reddish brown light loam and loam. Reaction is medium acid and slightly acid. The subsoil is about 26 inches of reddish-brown heavy loam and yellowish-red clay loam and light clay loam. Reaction in the subsoil is slightly acid. The substratum is reddish-yellow loam mixed with weathered diabase. Reaction in this layer is slightly acid. Fractured diabase is at a depth of about 47 inches.

Permeability is moderately slow in these soils. Effective rooting depth is 40 to 60 inches or more.

Available water holding capacity is 6 to 10 inches.

The Boomer soils are used for annual ranges, improved dry pasture, and irrigated pasture. They are also used for timber production to a limited extent.

Individual Soil Types	Rock Outcrop	Runoff	Erosion	Capability Unit	Woodland Suitability	Uses
Boomer loam 5 to 15% slopes (BoC)	Less than 10%	Slow to Medium	Slight – Moderate	IIIe-1	2	Annual range, irrigated pasture, timber production
Boomer loam 15 to 30% slopes (BoD)	Less than 10%	Medium to Rapid	Moderate – High	IVe-1	3	Annual range, irrigated pasture, timber production
Boomer-Rock Outcrop Complex 2 to 30% slopes (BrD)	10 – 25%	Slow to Medium	Slight – Moderate	VIIs-1	3	Annual range, limited timber production
Boomer-Rock Outcrop Complex 30 to 50% slopes (BrE)	10 – 25%	Medium to Rapid	Moderate to High	VIIs-1	5	Annual range, limited timber production

*Applies in general to individual soil types