

## AHWAHNEE SERIES\*

The Ahwahnee Series consists of well-drained soils underlain by weathered granodiorite. These soils are undulating to steep and are on mountainous uplands. Slopes are 20 to 50 percent. The vegetation is mostly annual grasses and forbs, oak, and scattered areas of digger and ponderosa pine. Elevation ranges from 400 to 1,600 feet. The annual rainfall is 28 to 45 inches, and the average annual air temperature is about 60°F. The frost-free season is 235 to 260 days.

In a representative profile the surface layer is about 8 inches of dark grayish-brown and brown sandy loam. Reaction is slightly acid and medium acid. The subsoil is about 30 inches of brown, yellowish-brown and reddish-yellow sandy loam and heavy sandy loam. Reaction in the subsoil is medium acid. A substratum of weathered granodiorite is at a depth of about 38 inches.

Permeability is moderately rapid in these soils. Effective rooting depth is 30 to 40 inches. Available water holding capacity is 4 to 6 inches.

The Ahwahnee soils are used for annual range, improved dry pasture, and irrigated pasture.

Individual Soil Types	Rock Outcrop	Runoff	Erosion	Capability Unit	Uses
Ahwahnee sandy loam 2 to 9% slopes (AdB)	0 – 5%	Medium	Moderate	IIIe-1	Annual range, improved dry pasture, and irrigated pasture
Ahwahnee sandy loam 9 to 15% slopes (AdC)	2 – 9%	Medium	Moderate to High	IVe-1	Annual range and limited pastures
Ahwahnee sandy loam 15 to 30% slopes (AdD)	2 – 9%	Medium to Rapid	High	VIe-1	Annual range
Ahwahnee-Rock Outcrop Complex 15 to 30% slopes (AeD)	10 – 25%	Medium to Rapid	High	VIIs-1	Annual range
Ahwahnee-Rock Outcrop Complex 30 to 50% slopes (AeE)	10 – 25%	Rapid	Very High	VIIIs-1	Annual range

*\*Applies in general to all individual soil types*