

Crop Coefficient Values (K_c) for Turfgrass in California

	K_c					
	Cool-season turfgrass			Warm-season turfgrass		
	Monthly ¹	Seasonally ²	Annually ³	Monthly ¹	Seasonally ²	Annually ³
Jan	0.61	0.62	0.80	0.61	0.57	0.60
Feb	0.64			0.54		
Mar	0.75	0.92		0.76	0.76	
Apr	1.04			0.72		
May	0.95			0.79		
Jun	0.88	0.90		0.68	0.70	
Jul	0.94			0.71		
Aug	0.86			0.71		
Sep	0.74	0.73		0.62	0.58	
Oct	0.75			0.54		
Nov	0.69			0.58		
Dec	0.60			0.55		

¹Meyer and Gibeault, 1986

²Mean of Meyer and Gibeault, 1986 monthly values by season

³Harivandi, 2009

Notes

- K_c is multiplied by reference evapotranspiration (ET_0) to estimate crop water requirement.
- Crop coefficients were developed in southern California and may vary slightly in other regions of the state.

Literature cited

Meyer J., and V. Gibeault. 1986. Turfgrass performance under reduced irrigation. California Agriculture 40:19-20.

Harivandi, A.M. 2009. Managing turfgrass during drought. University of California Agriculture and Natural Resources Publication 8395.

Maggie Reiter

Area Environmental Horticulture Advisor

mkreiter@ucanr.edu

centralcaturf.com