

# How Much to Water Different Kinds of Plants in California's Inland Areas

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## GALLONS OF WATER PER DAY (June, July and August)

Canopy Diameter (ft.)

Plant Type	1	1.5	2	2.5	3	3.5	4	5	6	8	10	12	15	20
A	0.15	0.4	0.6	1	1.4	1.9	2.5	3.9	5.6	9.9	15.4	22.2	34.7	61.7
B	0.4	0.7	1	1.5	2.1	1.5	3.5	5.4	7.6	13.4	20.7	30	47	83
C	0.1	0.2	0.4	0.7	1	1.3	1.7	2.7	3.9	6.9	10.8	15.6	24.3	43.2
D	0.06	0.1	0.3	0.4	0.6	0.8	1	1.5	2.2	4	6.2	8.9	13.9	24.7

## INCHES OF WATER PER DAY (In June, July and August applied out to edge of canopy)

Canopy Diameter (ft.)

Plant Type	1	1.5	2	2.5	3	3.5	4	5	6	8	10	12	15	20
A	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
B	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
C	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
D	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13

### Plant Type Descriptions

- A** Flower beds, lush ground cover, young trees and shrubs, perennials, vegetables, lush vines, small shrubs (under 4' diameter).
- B** Fruit trees, mature trees
- C** Citrus and avocados, unthirsty ground covers and vines, young, unthirsty trees and shrubs, Large shrubs (over 4 ft. diameter).
- D** Mature, unthirsty trees and shrubs and established native plants

## Reference Evapotranspiration (ET<sub>o</sub>) in inches per day for Fresno/Clovis Area

Day of mo.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1-10	0.02	0.04	0.09	0.15	0.2	0.25	0.28	0.25	0.19	0.13	0.06	0.02
11-20	0.03	0.06	0.11	0.17	0.22	0.26	0.27	0.23	0.17	0.1	0.04	0.02
21-30	0.03	0.08	0.13	0.19	0.24	0.27	0.26	0.21	0.15	0.08	0.03	0.02

\*To determine turfgrass water use (E<sub>tc</sub>) multiply the above numbers for the period by the appropriate crop coefficient below

Cool season grass crop coefficient (K<sub>c</sub>)=0.8 (E<sub>tc</sub>=E<sub>to</sub> x K<sub>c</sub>)

Warm season grass crop coefficient (K<sub>c</sub>)=0.6 (E<sub>tc</sub>=E<sub>to</sub> x K<sub>c</sub>)

## Cool Season Turfgrass Irrigation Schedule Per Day (e.g. Tall Fescue)

Multiply by the number of days between irrigation interval

(e.g. 0.25 inches per day x 3 days= .75 inches to be applied every three days)

Day of mo.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1-10	0.02	0.03	0.07	0.12	0.16	0.20	0.22	0.20	0.15	0.10	0.05	0.02
11-20	0.02	0.05	0.09	0.14	0.18	0.21	0.22	0.18	0.14	0.08	0.03	0.02
21-30	0.02	0.06	0.10	0.15	0.19	0.22	0.21	0.17	0.12	0.06	0.02	0.02

## Warm Season Turfgrass Irrigation Schedule Per Day (e.g. Bermudagrass)

Multiply by the number of days between irrigation interval

(e.g. 0.14 inches per day x 5 days= .70 inches to be applied every five days)

Day of mo.	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1-10	0.01	0.02	0.05	0.09	0.12	0.15	0.17	0.15	0.11	0.08	0.04	0.01
11-20	0.02	0.04	0.07	0.10	0.13	0.16	0.16	0.14	0.10	0.06	0.02	0.01
21-30	0.02	0.05	0.08	0.11	0.14	0.16	0.16	0.13	0.09	0.05	0.02	0.01

