

1 How often to water

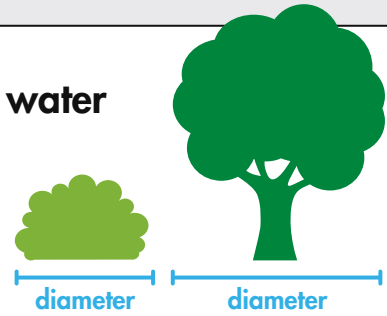
TIP!

Watering longer but infrequently helps develop strong roots and healthy plants.

Season	Trees & Shrubs		Cacti/Succulents
	Desert adapted	High water use	
Winter December to March	once every 30 days	once every 10 days	only if needed
Spring March to May	once every 14 days	once every 7 days	once every 21 days
Summer May to October	once every 7 days	once every 5 days	once every 14 days
Fall October to December	once every 14 days	once every 7 days	once every 21 days

2 How much water you need every time you water

SHRUB						
Shrub Diameter	1 ft	2 ft	3 ft	4 ft	5 ft	6 ft
Water needed	1 gal	4 gal	8 gal	12 gal	17 gal	20 gal
TREE						
Tree diameter	4 ft	6 ft	10 ft	14 ft	18 ft	20 ft
Water needed	16 gal	26 gal	59 gal	115 gal	190 gal	235 gal



TIP!

Ground cover and cacti need about half as much water as shrubs of the same diameter.

3 Determine your drip system flow rates

gph = gallons per hour



1/2 gph
approximately one second between drips



1 gph
constant drips



3 gph
1/2" stream before drips



4 gph
1" stream before drips

TIPS!

- Some drip emitters are stamped with flow rates.
- Emitter color does not indicate flow rate.
- Install pressure compensating drip emitters to ensure correct flow rates.

4 Calculate run time

$$\text{Gallons needed (gal)} \div \text{flow rate (gph)} = \text{run time (hrs)}$$

TIPS!

- If your plants have multiple emitters, add the flow rates together.
- If you have different sized plants, start with the average run time and adjust as needed.
- If you have trees and shrubs on the same valve, water for the trees and adjust as needed.

