

San Francisco Base Schedule (San Francisco County) - Bay Area																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.8	48	10	5	0	0	0	.7	1.1	1.4	1.5	1.4	1.2	.9	0	0
Drip Shrub	.4	267	12	23	0	0	0	.4	.7	.9	.9	.9	.8	.4	0	0
Subsurface Drip - Ground Cover	1.1	61	7	8	0	0	0	.7	1.1	1.4	1.5	1.4	1.2	.7	0	0
Drip Ground Cover	.4	167	7	23	0	0	0	.7	1.1	1.4	1.5	1.4	1.2	.7	0	0
Deep root Watering-Trees in planting	8	35	31	1	0	0	0	.2	.3	.3	.4	.4	.3	.2	0	0

Clovis Base Schedule (Fresno County)-Central Valley																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.80	48	10	5	0	0	0.7	1.5	2.1	2.4	2.6	2.3	1.6	1.0	0	0
Spray Turf	1.80	16	3	5	0	2	4.7	10.2	14.4	16.4	17.8	15.7	11.1	7.0	2	0
Drip Shrub	0.40	267	12	23	0	0	0.4	0.9	1.3	1.5	1.6	1.4	1.0	0.6	0	0
Subsurface Drip - Ground Cover	1.10	61	7	8	0	0	0.7	1.5	2.1	2.4	2.6	2.3	1.6	1.0	0	0
Drip Ground Cover	0.40	167	7	23	0	0	0.7	1.5	2.1	2.4	2.6	2.3	1.6	1.0	0	0
Deep root Watering-Trees in planting	8.00	35	31	1	0	0	0.2	0.4	0.5	0.6	0.6	0.6	0.4	0.3	0	0

Auburn Base Schedule (Placer County) - Sierra Foothills																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.8	48	10	5	0	0	0	0.8	1.6	2.2	2.5	2.2	1.6	0.7	0	0
Spray Turf	1.80	16	3	5	0.0	0.0	1.0	5.6	11.1	14.8	17.1	15.0	10.8	4.7	0	0
Drip Shrub	0.4	267	12	23	0	0	0	0.5	1	1.4	1.6	1.4	1	0.4	0	0
Subsurface Drip - Ground Cover	1.1	61	7	8	0	0	0	0.8	1.6	2.2	2.5	2.2	1.6	0.7	0	0
Drip Ground Cover	0.4	167	7	23	0	0	0	0.8	1.6	2.2	2.5	2.2	1.6	0.7	0	0
Deep root Watering-Trees in planting	8	35	31	1	0	0	0	0.2	0.4	0.5	0.6	0.5	0.4	0.2	0	0

Porterville Base Schedule (Tulare County)-Southern Foothills																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.8	48	10	5	0	0	0.8	1.2	1.9	2.3	2.6	2.2	1.6	1	0	0
Spray Turf	1.80	16	3	5	0.0	1.0	5.3	8.4	13.2	15.5	17.5	15.0	10.9	6.6	1.0	0
Drip Shrub	0.4	267	12	23	0	0	0.5	0.8	1.2	1.4	1.6	1.4	1	0.6	0	0
Subsurface Drip - Ground Cover	1.1	61	7	8	0	0	0.8	1.2	1.9	2.3	2.6	2.2	1.6	1	0	0
Drip Ground Cover	0.4	167	7	23	0	0	0.8	1.2	1.9	2.3	2.6	2.2	1.6	1	0	0
Deep root Watering-Trees in planting	8	35	31	1	0	0	0.2	0.3	0.5	0.6	0.6	0.5	0.4	0.2	0	0

Riverside Base Schedule (Riverside County) -Southern Inland																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.80	42	4	12	0	0	1.0	1.6	2.1	2.4	2.6	2.6	2.0	1.3	0.8	0.0
Spray Turf	1.80	16	3	5	2	2	6.2	9.5	12.9	14.2	15.9	15.4	12.1	7.8	5.0	2.0
Drip Shrub	0.40	233	4	53	0	0	0.6	1.0	1.3	1.3	1.7	1.6	1.3	0.8	0.4	0.0
Subsurface Drip - Ground Cover	1.10	53	3	19	0	0	1.0	1.6	2.1	2.4	2.6	2.6	2.0	1.3	0.8	0.0
Drip Ground Cover	0.40	146	3	53	0	0	1.0	1.6	2.1	2.4	2.6	2.6	2.0	1.3	0.8	0.0
Deep root Watering-Trees in planting	8.00	31	12	3	0	0	0.3	0.4	0.5	0.6	0.7	0.6	0.5	0.3	0.0	0.0

Santa Barbara Schedule (Santa Barbara County) -Southern Coastal																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Spray Ground Cover/Turf Alternative	1.8	42	4	12	0	0	0.7	1.1	1.7	1.7	1.7	1.7	1.5	1.1	0	0
Spray Turf	1.80	15	1	15	0.0	2.0	4.2	6.9	11.1	11.3	11.3	11.3	10.0	7.4	3.0	1.0
Drip Shrub	0.40	233	4	53	0	0	0.4	0.7	1.1	1.1	1.1	1.1	1	0.7	0	0
Subsurface Drip - Ground Cover	1.1	53	3	19	0	0	0.7	1.1	1.7	1.7	1.7	1.7	1.5	1.1	0	0
Drip Ground Cover	0.4	146	3	53	0	0	0.7	1.1	1.7	1.7	1.7	1.7	1.5	1.1	0	0
Deep root Watering-Trees in planting	8	31	12	3	0	0	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0	0

Blythe Base Schedule (Riverside County) - Desert																
STA	PRECIP	RUN TIME	CYC	CYC TIME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Drip Shrub	0.40	233	4	53	0.6	0.9	1.4	1.9	2.4	2.7	2.7	2.4	1.9	1.4	0.8	0.5
Subsurface Drip - Ground Cover	1.10	53	3	19	1.0	1.4	2.2	3.1	3.8	4.3	4.4	3.8	3.1	2.2	1.3	0.9
Drip Ground Cover	0.40	146	3	53	1.0	1.4	2.2	3.1	3.8	4.3	4.4	3.8	3.1	2.2	1.3	0.9
Deep root Watering-Trees in planting	8.00	31	12	3	0.3	0.3	0.6	0.8	1.0	1.1	1.1	1.0	0.8	0.6	0.3	0.2



BACK YARD TEMPLATE BASE IRRIGATION SCHEDULES

June 2009

PRECIP = Precipitation Rate is the application rate of irrigation in inches per hour
 Assumed precpis: Spray heads - 1.8, Drip - .4, subsurface drip - 1.1, Deep root watering -8
 MAWA = Maximum Annual Water Allotment (in gallons and based upon 70% of area historical annual ET)
 ET=Reference evapotranspiration is the quantity of water evaporated from the soil and transpired by the planting and is measured in inches per month.
 RUNTIME = Total amount of minutes required for planting root depth in native soil
 CYC = Total number of repeat cycles required for native soil
 CYC TIME = Rounded minutes of each cycle to be repeated by "CYC allowing infiltration monthly number = number of times/month to apply runtime (refer to example below)
 BASE SCHEDULE for established plant material with historical weather data (10 year average) and assumed precpis. Note, if low precipitation heads or mini rotors are used in lieu of conventional spray heads, then the base run times will need to be extended to provide water down to the planting root zones.
 SPRAY HEAD: Spray head with one of the following: standard matched precipitation spray nozzles-1.8"/hr, low precipitation nozzles - 1"/hr, or mini rotor nozzles-0.4"/hr
 During establishment period, root depth is shallower, thus requiring more frequent irrigation with shorter run times, stretching out the frequency and extending the total runtimes as the planting matures and roots penetrate into native soil conditions over a 3-5 year span. Establishment irrigation frequency depends upon the time of year initial planting takes place.

Monthly example:
 The number under the month indicates the number of times that zone needs to be irrigated during that month. For fractions of runtimes per month, multiply the # of CYC by the decimal (example: drip/ground cover requires .6 runtimes per month of March = .6 X 7(# of CYC)= 4 cycles of 23 minutes each (CYC). This would equate to 92 minutes total runtime one time during the month of March.
 Backyards: Refer to backyard design templates for both social and recreation layout ideas.
 Note: Some plants respond better to overhead spray while many others do better with drip. The irrigation design will need not only to take into consideration plant preferences, but also runoff and potential blockage where the planting grows in front of the spray heads. Drip and spray are both shown on the templates to show differences in system costs and projected water use. Also see front yard templates.