HOW MUCH WATER DOES MY FOOD GARDEN NEED?

INDIVIDUAL WORKSHEET

The purpose of this worksheet is to determine how much water a drip-irrigated garden requires. Daily watering is recommended during the hot, dry Sonoma County summer months. (Also see the publication for which this is a companion piece: How Much Water Does My Food Garden Need?)

ADD YOUR OWN NUMBERS:

1. HOW LARGE IS MY FOOD GARDEN?

   ____ ft (length) x ____ ft (width) = ____ sq ft

2. HOW MUCH WATER DOES MY FOOD GARDEN REQUIRE?

   ____ sq ft garden x 0.623 per sq ft[1] = ____ gallons per week

   ____ gallons per week / 7 days = ____ gallons per day

3. HOW MUCH WATER DOES MY DRIP SYSTEM DELIVER?

   Number of emitters: ____ x Rate of water (Gallons Per Hour - GPH) delivered by each emitter: ____ = _____ Total GPH applied

4. HOW LONG SHOULD MY DRIP SYSTEM RUN?

   ____ gallons water needed per day (result of step 2) / ____ GPH applied (result of step 3) = ____% x 60 minutes = _____ minutes of watering per day

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5. IF I KNOW THE AMOUNT OF MY AVAILABLE WATER, HOW MANY SQUARE FEET CAN I WATER PER WEEK?

   _____ gallons of available water/day x 7 days = _____ gallons per week / 0.623 gallons/sq ft = _____ sq ft of garden

[1] Summer average of 1 inch of applied water/wk/sq ft = 0.623 gallons of water/wk/sq ft

Prepared by SCMG Food Gardening Specialists, April 2014