

General Organics Soil Gardening

- Nutrient solution runoff drains into soil.
- Typically, "soil" gardens are NOT recirculating.

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	BioThrive Grow	BioThrive Bloom	CalMg+	BioRoot	BioWeed	BioBud	BioMarine †	Diamond Black †
			BASE NUTRIENT	HEALTH	ROOTS	VITALITY	BLOOM	WEIGHT	STRUCTURE	
	WEEK 2*	Early Growth	10ml	~	5ml	10ml	2.5 - 5ml	~	5 - 10ml	5 - 10ml
	WEEK 3*	Late Growth	10ml	~	5ml	10ml	2.5 - 5ml	~	5 - 10ml	~
	WEEK 4	Transition	10ml	~	5ml	10ml	2.5 - 5ml	~	5 - 10ml	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 5	Early Bloom	~	10ml	5ml	10ml	~	2.5ml	5 - 10ml	~
	WEEK 6	Early Bloom	~	10ml	5ml	~	~	2.5ml	5 - 10ml	~
	WEEK 7**	Mid Bloom	~	10ml	5ml	~	~	2.5ml	5 - 10ml	~
	WEEK 8	Mid Bloom	~	10ml	5ml	~	~	2.5ml	5 - 10ml	~
	WEEK 9	Late Bloom	~	10ml	5ml	~	~	2.5ml	~	~
	WEEK 10***	Late Bloom	~	10ml	2.5ml	~	~	~	~	~
	WEEK 11	Ripen	~	~	~	~	~	~	~	~

*For additional weeks of growth, repeat week 2 or 3.
 **For additional weeks of bloom, repeat week 7.
 *** For additional extended flowering, repeat week 10.

Do not premix nutrients or supplements, add to water only.

VGANIC™ contains no animal derived ingredients

OPTIONAL SUPPLEMENTS

Amounts per 3.79 liters (1 US Gallon)

Soil Gardening Tips

- Keep nutrient solution temperature below 75° F (24° C).
 - Use dechlorinated water for best results.
 - Adjusting pH is not necessary.
 - Double BioThrive application rates for heavy feeding plants.
 - Apply nutrient solution within 1 hour of mixing or aerate solution until application.
- † BioMarine and Diamond Black are optional.
- Advanced soil growing techniques can be found at:
http://generalhydroponics.com/site/index.php/resources/learning_center/

Ancient Forest is composed of 100% pure forest humus, no fillers or additives.

- Add AncientForest at 10% - 20% ratio to any soil / coco to enhance media.
- Top-dress containers with AncientForest throughout the growing cycle.
- AncientForest makes an excellent base for brewing living compost tea.

AzaMax is an OMRI certified botanical insecticide miticide and nematocide that can protect your garden up to the day of harvest.

SubCulture® Hydroponic & Soil Usage

Use SubCulture "M" or "B" with any nutrient feeding program to provide a probiotic inoculum of beneficial micro-organisms within the root zone to help increase the vitality and yield in all plants. These organisms will colonize in the root zone and media to form a symbiotic relationship with your plants increasing size and yields whether in soil or hydroponics. Use SubCulture from germination or propagation all the way through harvest.

	SOIL
SubCulture M	Mix 4 Tablespoons per 2 cubic feet of growing media
	SOIL
SubCulture B	Mix 2 Tablespoons per 2 cubic feet of growing media

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	SubCulture M	SubCulture B	SubCulture M	SubCulture B
			HYDROPONICS	HYDROPONICS	OPTIONAL ROOT DRENCH	OPTIONAL ROOT DRENCH
	WEEK 2	Early Growth	2 Tablespoons per 10 Gallons	~	2 Tablespoons per 10 Gallons	~
	WEEK 3	Late Growth	2 Tablespoons per 10 Gallons	~	2 Tablespoons per 10 Gallons	~
	WEEK 4	Transition	1 Tablespoon per 10 Gallons	1 teaspoon per 10 Gallons	1 Tablespoon per 10 Gallons	1 teaspoon per 10 Gallons
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 5	Early Bloom	~	1 teaspoon per 10 Gallons	~	1 teaspoon per 10 Gallons
	WEEK 6	Early Bloom	~	1 teaspoon per 10 Gallons	~	1 teaspoon per 10 Gallons
	WEEK 7	Mid Bloom	~	1 teaspoon per 10 Gallons	~	1 teaspoon per 10 Gallons
	WEEK 8	Mid Bloom	~	~	~	~
	WEEK 9	Late Bloom	~	~	~	~
	WEEK 10	Late Bloom	~	~	~	~
	WEEK 11	Ripen	~	~	~	~

This product may clog spray lines / drip emitters, reduce usage if problem arises.

Minimize use of sugar or molasses products with SubCulture B as they can ferment into a stinky mess.

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Useful Tips:

- Consider using a bio filter when using SubCulture in a recirculating hydroponic system.
- Keep hydroponic nutrient solution aerated.