

GENERAL HYDROPONICS®

FLORA SERIES® All amounts per 3.79 Liters (1 US Gallon)

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Recirculating Nutrient Solution Tips:

- Keep nutrient solution temperature below 75° F (24° C).
- Change nutrient solution every 7-10 days and top off with fresh water between nutrient changes.
- Keep nutrient solution aerated.
- For best results maintain nutrient solution pH between 5.5 - 6.5.

Troubleshooting factors to consider:

- Arid, bright, hot environments cause plants to drink more than if they are grown where it's humid, dim, and cool. Thus gardeners should use less concentrated nutrient solutions when growing conditions are more intense in order to lessen the risk of overfeeding.
- The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use GH pH adjusters to maintain nutrient pH between 5.5 - 6.5.

Recirculating Program

		WEEK # GROWTH STAGE: PPM RANGE:	GROWTH (18h photoperiod)				BLOOM (12h photoperiod)							
			1 Seedling 350-400	2 Early Growth 1050-1350	3 Late Growth 950-1400	4 Transition 900-1300	5 Early Bloom 950-1300	6 Early Bloom 950-1350	7 Mid Bloom 1000-1400	8 Mid Bloom 1000-1400	9 Mid Bloom 1050-1400	10 Late Bloom 1000-1300	11 Ripen 750-1150	12 Flush 0-50
simple program	expert program	FloraMicro	2.5ml	7.5ml	10ml	7.5ml	7.5ml	7.5ml	7.5ml	7.5ml	7.5ml	7.5ml	5ml	~
		FloraGro	2.5ml	10ml	10ml	7.5ml	2.5ml	2.5ml	2.5ml	2.5ml	~	~	~	~
		FloraBloom	2.5ml	2.5ml	5ml	7.5ml	10ml	10ml	12.5ml	12.5ml	15ml	15ml	15ml	~
	Roots	RapidStart	~	2.5ml	2.5ml	1ml	1ml	1ml	1ml	1ml	1ml	~	~	~
	Weight	Liquid KoolBloom	~	~	~	~	1ml	2.5ml	2.5ml	2.5ml	5ml	5ml	~	~
	Aroma	Floralicious Plus	~	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	~
	Flush	FloraKleen	~	~	~	~	~	~	~	~	~	~	~	10ml
	Defense	Armor Si	~	1.5ml	2ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2ml	1.5ml	~	~
	Weight	Diamond Nectar	5ml	10ml	10ml	5ml	5ml	5ml	5ml	5ml	~	~	~	~
	Aroma	FloraBlend	10ml	10ml	10ml	5ml	5ml	5ml	~	~	~	~	~	~
	Vigor	CALiMAGic	~	2.5ml	5ml	5ml	5ml	5ml	5ml	5ml	5ml	2.5ml	~	~
	Flavor	FloraNectar	~	~	~	5ml	5ml	5ml	10ml	10ml	10ml	10ml	10ml	~
Ripening	Dry KoolBloom	~	~	~	~	~	~	~	~	~	~	0.5tsp	~	

Which comes first, Armor Si or CALiMAGic?

- When using both **Armor Si** and **CALiMAGic**, add **Armor Si** to the reservoir **first**.
- When using **Armor Si** and/or **CALiMAGic**, with **Flora Series**, these products should be added **prior to adding FloraMicro**.

CREATE YOUR OWN FEEDCHART

Personalized Program

		WEEK # GROWTH STAGE:	GROWTH (18h photoperiod)				BLOOM (12h photoperiod)							
			1 Seedling	2 Early Growth	3 Late Growth	4 Transition	5 Early Bloom	6 Early Bloom	7 Mid Bloom	8 Mid Bloom	9 Mid Bloom	10 Late Bloom	11 Ripen	12 Flush
simple program	expert program	FloraMicro												
		FloraGro												
		FloraBloom												
	Roots	RapidStart												
	Weight	Liquid KoolBloom												
	Aroma	Floralicious Plus												
	Flush	FloraKleen												
	Defense	Armor Si												
	Weight	Diamond Nectar												
	Aroma	FloraBlend												
	Vigor	CALiMAGic												
	Flavor	FloraNectar												
Ripening	Dry KoolBloom													

Useful Conversions

1 TSP	=	5 ml
1 TBSP	=	15 ml
1 oz	=	30 ml
1 Qt	=	946 ml
1 Gal	=	3.785 L
1 Gal	=	128 oz

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Drain to Waste Nutrient Solution Tips:

- Keep nutrient solution temperature below 75° F (24° C).
- Allow 5% - 25% runoff during each irrigation.
- Consider fresh water irrigation after 1 - 3 nutrient applications.
- To flush apply fresh water irrigation after three nutrient applications to flush excess mineral accumulation.
- Keep nutrient solution aerated.
- For best results maintain nutrient solution pH between 5.5 - 6.5.

Troubleshooting factors to consider:

- Arid, bright, hot environments cause plants to drink more than if they are grown where it's humid, dim, and cool. Thus gardeners should use less concentrated nutrient solutions when growing conditions are more intense in order to lessen the risk of overfeeding.
- The pH (acidity or alkalinity) of a nutrient solution affects the availability of the elements contained within. Use GH pH adjusters to maintain nutrient pH between 5.5 - 6.5.

Drain To Waste Program

		WEEK # GROWTH STAGE: PPM RANGE:	GROWTH (18h photoperiod)				BLOOM (12h photoperiod)									
			1 Seedling 200-250	2 Early Growth 550-700	3 Late Growth 600-900	4 Transition 650-900	5 Early Bloom 500-700	6 Early Bloom 550-750	7 Mid Bloom 600-800	8 Mid Bloom 600-800	9 Mid Bloom 600-800	10 Late Bloom 600-800	11 Ripen 400-700	12 Flush 0-50		
simple program	expert program	Base Nutrient	FloraMicro	2ml	4ml	5ml	4ml	4ml	4ml	4ml	4ml	4ml	4ml	4ml	2.5ml	~
			FloraGro	1ml	5ml	5ml	4ml	1ml	1ml	1ml	1ml	~	~	~	~	~
			FloraBloom	1ml	1ml	2.5ml	4ml	5ml	5ml	6ml	6ml	8ml	8ml	8ml	~	~
		Roots	RapidStart	~	2.5ml	2.5ml	1ml	1ml	1ml	1ml	1ml	1ml	~	~	~	~
		Weight	Liquid KoolBloom	~	~	~	~	1ml	2ml	2ml	2ml	2.5ml	2.5ml	~	~	~
		Aroma	Floralicious Plus	~	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	~	~
		Flush	FloraKleen	~	~	~	~	~	~	~	~	~	~	~	10ml	~
		Defense	Armor Si	~	0.5ml	1ml	1.5ml	1.5ml	1.5ml	1.5ml	1.5ml	1ml	0.5ml	~	~	~
		Weight	Diamond Nectar	2.5ml	5ml	5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	~	~	~	~	~
		Aroma	FloraBlend	5ml	5ml	5ml	2.5ml	2.5ml	2.5ml	~	~	~	~	~	~	~
		Vigor	CALiMAGic	~	1.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	1.5ml	~	~	~
		Flavor	FloraNectar	~	~	~	2.5ml	2.5ml	2.5ml	5ml	5ml	5ml	5ml	5ml	~	~
		Ripening	Dry KoolBloom	~	~	~	~	~	~	~	~	~	~	0.25tsp	~	~

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simple program	expert program	Base Nutrient	FloraMicro														
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