

# Flora Series®

## Expert Recirculating

- Nutrient solution runoff drains to reservoir and is reused.
- Typically, "soil" gardens are NOT recirculating.

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1 400 - 600 total ppm	Seedling	2.5ml	2.5ml	2.5ml	2.5ml	5ml	~	1ml	10ml	~	~	~
	WEEK 2* 1000 - 1200 total ppm	Early Growth	10ml	7.5ml	2.5ml	2.5ml	10ml	~	1ml	10ml	~	~	~
	WEEK 3* 1200 - 1400 total ppm	Late Growth	10ml	10ml	5ml	2.5ml	10ml	~	1ml	10ml	~	~	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4 1100 - 1300 total ppm	Transition	7.5ml	7.5ml	7.5ml	1ml	5ml	~	1ml	5ml	5ml	~	~
	WEEK 5 1100 - 1300 total ppm	Early Bloom	2.5ml	7.5ml	10ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
	WEEK 6** 1100 - 1300 total ppm	Early Bloom	2.5ml	7.5ml	10ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
	WEEK 7** 1100 - 1300 total ppm	Mid Bloom	2.5ml	7.5ml	12.5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
	WEEK 8 1100 - 1300 total ppm	Mid Bloom	2.5ml	7.5ml	12.5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
	WEEK 9 1200 - 1400 total ppm	Late Bloom	~	7.5ml	15ml	~	~	5ml	1ml	~	10ml	~	~
	WEEK 10 1200 - 1400 total ppm	Late Bloom	~	7.5ml	15ml	~	~	5ml	1ml	~	10ml	~	~
	WEEK 11 1100 - 1300 total ppm	Ripen	~	5ml	15ml	~	~	~	1ml	~	10ml	0.5 tsp	~
	WEEK 12 0 - 200 total ppm	Flush	~	~	~	~	~	~	~	~	~	~	10ml
*For additional weeks of growth, repeat week 2 or 3.  **For additional weeks of bloom, repeat week 6 or 7.			Do not premix nutrients, add to water only.			Monitor plants for signs of stress when feeding aggressive formulas							
			Amounts per 3.79 liters (1 US Gallon)										

### Recirculating Nutrient Solution Tips

- For best results add FloraMicro to fresh water first.
- When growing plants in coco media or with reverse osmosis water use 5ml of CALiMAGic per gallon during the first two weeks.
- 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.

† For specific growth stages, Floralicious Grow or Bloom may be used in place of Floralicious Plus

### 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.

# Flora Series®

## Simple Recirculating

- Nutrient solution runoff drains to reservoir and is reused.
- Typically, "soil" gardens are NOT recirculating.

<b>GROWTH PHASE</b> <b>18 HOUR PHOTOPERIOD</b>	<b>WEEK 1</b> 300 - 500 total ppm	Seedling
	<b>WEEK 2*</b> 900 - 1100 total ppm	Early Growth
	<b>WEEK 3*</b> 1100 - 1300 total ppm	Late Growth
<b>BLOOM PHASE</b> <b>12 HOUR PHOTOPERIOD</b>	<b>WEEK 4</b> 1000 - 1200 total ppm	Transition
	<b>WEEK 5</b> 1000 - 1200 total ppm	Early Bloom
	<b>WEEK 6**</b> 1000 - 1200 total ppm	Early Bloom
	<b>WEEK 7**</b> 1000 - 1200 total ppm	Mid Bloom
	<b>WEEK 8</b> 1000 - 1200 total ppm	Mid Bloom
	<b>WEEK 9</b> 1000 - 1200 total ppm	Late Bloom
	<b>WEEK 10</b> 1000 - 1200 total ppm	Late Bloom
	<b>WEEK 11</b> 800 - 1000 total ppm	Ripen
	<b>WEEK 12</b> 0 - 200 total ppm	Flush

\*For additional weeks of growth, repeat week 2 or 3.

\*\*For additional weeks of bloom, repeat week 6 or 7.

FloraGro	FloraMicro	FloraBloom	RapidStart	Liquid KoolBloom	Floralicious Plus†	FloraKleen
BASE NUTRIENT			ROOTS	WEIGHT	AROMA	FLUSH
2.5ml	2.5ml	2.5ml	2.5ml	~	1ml	~
10ml	7.5ml	2.5ml	2.5ml	~	1ml	~
10ml	10ml	5ml	2.5ml	~	1ml	~
7.5ml	7.5ml	7.5ml	1ml	~	1ml	~
2.5ml	7.5ml	10ml	1ml	2.5ml	1ml	~
2.5ml	7.5ml	10ml	1ml	2.5ml	1ml	~
2.5ml	7.5ml	12.5ml	~	2.5ml	1ml	~
2.5ml	7.5ml	12.5ml	~	2.5ml	1ml	~
~	7.5ml	15ml	~	5ml	1ml	~
~	7.5ml	15ml	~	5ml	1ml	~
~	5ml	15ml	~	~	1ml	~
~	~	~	~	~	~	10ml

Do not premix nutrients, add to water only.

Monitor plants for signs of stress when feeding aggressive formulas

Amounts per 3.79 liters (1 US Gallon)

### 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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