

# FloraNova®

## 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
	WEEK 2* 800 - 1000 total ppm	Early Growth
	WEEK 3* 1100 - 1300 total ppm	Late Growth
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4 800 - 1000 total ppm	Transition
	WEEK 5 1100 - 1300 total ppm	Early Bloom
	WEEK 6** 1100 - 1300 total ppm	Early Bloom
	WEEK 7** 1200 - 1300 total ppm	Mid Bloom
	WEEK 8 1300 - 1300 total ppm	Mid Bloom
	WEEK 9 1200 - 1400 total ppm	Late Bloom
	WEEK 10 1200 - 1400 total ppm	Late Bloom
	WEEK 11 1000 - 1200 total ppm	Ripen
	WEEK 12 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.		

FloraNova Grow	FloraNova Bloom	RapidStart	Diamond Nectar	Liquid KoolBloom	Floralicious Plus †	FloraBlend	Flora Nectar	Koolbloom (dry)	FloraKleen
BASE NUTRIENT		ROOTS	WEIGHT		AROMA & SIZE		FLAVOR	RIPENING \ FLUSH	
2.5ml	~	2.5ml	5ml	~	1ml	10ml	~	~	~
5ml	~	2.5ml	10ml	~	1ml	10ml	~	~	~
7.5ml	~	2.5ml	10ml	~	1ml	10ml	~	~	~
2.5ml	2.5ml	1ml	5ml	~	1ml	5ml	5ml	~	~
~	7.5ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
~	7.5ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
~	7.5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
~	7.5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
~	7.5ml	~	~	5ml	1ml	~	10ml	~	~
~	7.5ml	~	~	5ml	1ml	~	10ml	~	~
~	5ml	~	~	~	1ml	~	10ml	0.5 tsp	~
~	~	~	~	~	~	~	~	~	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

### 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.

† 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.

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## Simple Recirculating

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

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1 300 - 500 total ppm	Seedling
	WEEK 2* 700 - 900 total ppm	Early Growth
	WEEK 3* 1000 - 1200 total ppm	Late Growth
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4 1000 - 1200 total ppm	Transition
	WEEK 5 1000 - 1200 total ppm	Early Bloom
	WEEK 6** 1000 - 1200 total ppm	Early Bloom
	WEEK 7** 1000 - 1200 total ppm	Mid Bloom
	WEEK 8 1000 - 1200 total ppm	Mid Bloom
	WEEK 9 1100 - 1300 total ppm	Late Bloom
	WEEK 10 1100 - 1300 total ppm	Late Bloom
	WEEK 11 600 - 800 total ppm	Ripen
	WEEK 12 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.

FloraNova Grow	FloraNova Bloom	RapidStart	Liquid KoolBloom	Floralicious Plus †	FloraKleen
BASE NUTRIENT		ROOTS	WEIGHT	AROMA	FLUSH
2.5ml	~	2.5ml	~	1ml	~
5ml	~	2.5ml	~	1ml	~
7.5ml	~	2.5ml	~	1ml	~
4ml	4ml	1ml	~	1ml	~
~	7.5ml	1ml	2.5ml	1ml	~
~	7.5ml	1ml	2.5ml	1ml	~
~	7.5ml	~	2.5ml	1ml	~
~	7.5ml	~	2.5ml	1ml	~
~	7.5ml	~	5ml	1ml	~
~	7.5ml	~	5ml	1ml	~
~	5ml	~	~	1ml	~
~	~	~	~	~	10ml

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Monitor plants for signs of stress when feeding aggressive formulas

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