

# FloraNova® Simple Recirculating

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

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	FloraNova Grow	FloraNova Bloom	RapidStart	Liquid KoolBloom	Floralicious Plus §
	300 - 500 total ppm		2.5ml	~	~	~	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 2*	Early Growth	5ml	~	2.5ml	~	1ml
	WEEK 3*	Late Growth	7.5ml	~	2.5ml	~	1ml
	WEEK 4	Transition	4ml	4ml	1ml	~	1ml
	WEEK 5	Early Bloom	~	7.5ml	1ml	2.5ml	1ml
	WEEK 6**	Early Bloom	~	7.5ml	1ml	2.5ml	1ml
	WEEK 7**	Mid Bloom	~	7.5ml	1ml	2.5ml	1ml
	WEEK 8	Mid Bloom	~	7.5ml	1ml	2.5ml	1ml
	WEEK 9	Late Bloom	~	7.5ml	1ml	5ml	1ml
	WEEK 10	Late Bloom	~	7.5ml	~	5ml	1ml
	WEEK 11	Ripen	~	5ml	~	~	1ml
	600 - 800 total ppm						

\*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)

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.

# FloraNova® Simple Drain To Waste

- Can be soil, soilless, coco or hydroponic.
- Nutrients are not reused.

GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	FloraNova Grow	FloraNova Bloom	RapidStart	Liquid KoolBloom	Floralicious Plus §
	100 - 300 total ppm		1ml	~	~	~	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 2*	Early Growth	2.5ml	~	2.5ml	~	1ml
	WEEK 3*	Late Growth	4ml	~	2.5ml	~	1ml
	WEEK 4	Transition	2ml	2ml	1ml	~	1ml
	WEEK 5	Early Bloom	~	4ml	1ml	2ml	1ml
	WEEK 6**	Early Bloom	~	4ml	1ml	2ml	1ml
	WEEK 7**	Mid Bloom	~	4ml	1ml	2ml	1ml
	WEEK 8	Mid Bloom	~	4ml	1ml	2ml	1ml
	WEEK 9	Late Bloom	~	4ml	1ml	2.5ml	1ml
	WEEK 10	Late Bloom	~	4ml	~	2.5ml	1ml
	WEEK 11	Ripen	~	2.5ml	~	~	1ml
	300 - 500 total ppm						

\*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

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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.

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

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- 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.