

# Flora Series® Expert Recirculating

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

			FloraMicro	FloraGro	FloraBloom	RapidStart	Diamond Nectar	Liquid Koobloom	Floralicious Plus S	FloraBlend	Flora Nectar	Koobloom (dry)	FloraKleen	Armor Si
GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	BASE NUTRIENT			ROOTS	WEIGHT		AROMA & SIZE		FLAVOR	RIPENING \ FLUSH		DEFENSE
		400 - 600 total ppm		2.5ml	2.5ml	2.5ml	~	5ml	~	~	10ml	~	~	~
	WEEK 2*	Early Growth	7.5ml	10ml	2.5ml	2.5ml	10ml	~	1ml	10ml	~	~	~	2ml
	WEEK 3*	Late Growth	10ml	10ml	5ml	2.5ml	10ml	~	1ml	10ml	~	~	~	2.5ml
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4	Transition	7.5ml	7.5ml	7.5ml	1ml	5ml	~	1ml	5ml	5ml	~	~	2.5ml
	WEEK 5	Early Bloom	7.5ml	2.5ml	10ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~	2.5ml
	WEEK 6**	Early Bloom	7.5ml	2.5ml	10ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~	2.5ml
	WEEK 7**	Mid Bloom	7.5ml	2.5ml	12.5ml	1ml	5ml	2.5ml	1ml	~	10ml	~	~	2.5ml
	WEEK 8	Mid Bloom	7.5ml	2.5ml	12.5ml	1ml	5ml	2.5ml	1ml	~	10ml	~	~	2ml
	WEEK 9	Late Bloom	7.5ml	~	15ml	1ml	~	5ml	1ml	~	10ml	~	~	1.5ml
	WEEK 10	Late Bloom	7.5ml	~	15ml	~	~	5ml	1ml	~	10ml	~	~	~
	WEEK 11	Ripen	5ml	~	15ml	~	~	~	1ml	~	10ml	0.5 tsp	~	~
	WEEK 12	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

- 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.

## 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

# Flora Series® Expert Drain To Waste

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

			FloraMicro	FloraGro	FloraBloom	RapidStart	Diamond Nectar	Liquid Koobloom	Floralicious Plus S	FloraBlend	Flora Nectar	Koobloom (dry)	FloraKleen	
GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling	BASE NUTRIENT			ROOTS	WEIGHT		AROMA & SIZE		FLAVOR	RIPENING \ FLUSH		
		200 - 400 total ppm		2ml	1ml	1ml	~	2.5ml	~	~	5ml	~	~	~
	WEEK 2*	Early Growth	4ml	5ml	1ml	2.5ml	5ml	~	1ml	5ml	~	~	~	
	WEEK 3*	Late Growth	5ml	5ml	2.5ml	2.5ml	5ml	~	1ml	5ml	~	~	~	
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4	Transition	4ml	4ml	4ml	1ml	2.5ml	~	1ml	2.5ml	2.5ml	~	~	
	WEEK 5	Early Bloom	4ml	1ml	5ml	1ml	2.5ml	2ml	1ml	2.5ml	2.5ml	~	~	
	WEEK 6**	Early Bloom	4ml	1ml	5ml	1ml	2.5ml	2ml	1ml	2.5ml	2.5ml	~	~	
	WEEK 7**	Mid Bloom	4ml	1ml	6ml	1ml	2.5ml	2ml	1ml	~	5ml	~	~	
	WEEK 8	Mid Bloom	4ml	1ml	6ml	1ml	2.5ml	2ml	1ml	~	5ml	~	~	
	WEEK 9	Late Bloom	4ml	~	8ml	1ml	~	2.5ml	1ml	~	5ml	~	~	
	WEEK 10	Late Bloom	4ml	~	8ml	~	~	2.5ml	1ml	~	5ml	~	~	
	WEEK 11	Ripen	2.5ml	~	8ml	~	~	~	1ml	~	5ml	0.25 tsp	~	
	WEEK 12	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)														

## 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**

## 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.
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