

# FloraDuo® Expert Recirculating

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

			FloraDuo A	FloraDuo B	CALiMAGiC	RapidStart	Diamond Nectar	Liquid Koobloom	Floralicious Plus†	FloraBlend	Flora Nectar	Koobloom (dry)	FloraKleen
			BASE NUTRIENT		NUTRIENT	ROOTS	WEIGHT		AROMA & SIZE		FLAVOR	RIPENING \ FLUSH	
GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1 400 - 600 total ppm	Seedling	5ml	2.5ml	5ml	2.5ml	5ml	~	1ml	10ml	~	~	~
	WEEK 2* 800 - 1000 total ppm	Early Growth	10ml	5ml	5ml	2.5ml	10ml	~	1ml	10ml	~	~	~
	WEEK 3* 1200 - 1400 total ppm	Late Growth	15ml	5ml	5ml	2.5ml	10ml	~	1ml	10ml	~	~	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4 1100 - 1300 total ppm	Transition	10ml	10ml	5ml	1ml	5ml	~	1ml	5ml	5ml	~	~
	WEEK 5 1200 - 1400 total ppm	Early Bloom	7.5ml	15ml	5ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
	WEEK 6** 1200 - 1400 total ppm	Early Bloom	7.5ml	15ml	5ml	1ml	5ml	2.5ml	1ml	5ml	5ml	~	~
	WEEK 7** 1200 - 1400 total ppm	Mid Bloom	7.5ml	15ml	5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
	WEEK 8 1200 - 1400 total ppm	Mid Bloom	7.5ml	15ml	5ml	~	5ml	2.5ml	1ml	~	10ml	~	~
	WEEK 9 1100-1400 total ppm	Late Bloom	5ml	15ml	5ml	~	~	5ml	1ml	~	10ml	~	~
	WEEK 10 1100-1400 total ppm	Late Bloom	5ml	15ml	5ml	~	~	5ml	1ml	~	10ml	~	~
	WEEK 11 900 - 1100 total ppm	Ripen	2.5ml	7.5ml	~	~	~	~	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

- 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.

# FloraDuo® Expert Drain To Waste

- Excellent with COCO, soil, or hydroponics.
- Nutrients are not reused.

			FloraDuo A	FloraDuo B	CALiMAGiC	RapidStart	Diamond Nectar	Liquid Koobloom	Floralicious Plus†	FloraBlend	Flora Nectar	Koobloom (dry)	FloraKleen
			BASE NUTRIENT		NUTRIENT	ROOTS	WEIGHT		AROMA & SIZE		FLAVOR	RIPENING \ FLUSH	
GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1 200 - 400 total ppm	Seedling	2.5ml	1ml	5ml	2.5ml	2.5ml	~	1ml	5ml	~	~	~
	WEEK 2* 500 - 700 total ppm	Early Growth	5ml	2.5ml	5ml	2.5ml	5ml	~	1ml	5ml	~	~	~
	WEEK 3* 600 - 800 total ppm	Late Growth	7.5ml	2.5ml	5ml	2.5ml	5ml	~	1ml	5ml	~	~	~
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4 600 - 800 total ppm	Transition	5ml	5ml	2.5ml	1ml	2.5ml	~	1ml	2.5ml	2.5ml	~	~
	WEEK 5 700 - 900 total ppm	Early Bloom	5ml	7.5ml	2.5ml	1ml	2.5ml	2ml	1ml	2.5ml	2.5ml	~	~
	WEEK 6** 700 - 900 total ppm	Early Bloom	5ml	7.5ml	2.5ml	1ml	2.5ml	2ml	1ml	2.5ml	2.5ml	~	~
	WEEK 7** 800 - 1000 total ppm	Mid Bloom	5ml	7.5ml	2.5ml	~	2.5ml	4ml	1ml	~	5ml	~	~
	WEEK 8 800 - 1000 total ppm	Mid Bloom	5ml	7.5ml	2.5ml	~	2.5ml	4ml	1ml	~	5ml	~	~
	WEEK 9 800 - 1000 total ppm	Late Bloom	5ml	7.5ml	2.5ml	~	~	4ml	1ml	~	5ml	~	~
	WEEK 10 800 - 1000 total ppm	Late Bloom	5ml	7.5ml	2.5ml	~	~	4ml	1ml	~	5ml	~	~
	WEEK 11 500 - 700 total ppm	Ripen	1ml	5ml	~	~	~	~	1ml	~	5ml	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)													

## Drain to Waste Nutrient Solution Tips

- 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).
- Allow 5% - 25% runoff during each irrigation.
- 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.
- 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.

# FloraDuo® 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
	300 - 500 total ppm	
	WEEK 2*	Early Growth
	700 - 900 total ppm	
	WEEK 3*	Late Growth
	1100 - 1300 total ppm	
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4	Transition
	1000 - 1200 total ppm	
	WEEK 5	Early Bloom
	1100 - 1300 total ppm	
	WEEK 6**	Early Bloom
	1100 - 1300 total ppm	
	WEEK 7**	Mid Bloom
	1100 - 1300 total ppm	
	WEEK 8	Mid Bloom
	1100 - 1300 total ppm	
	WEEK 9	Late Bloom
	1000 - 1200 total ppm	
WEEK 10	Late Bloom	
1000 - 1200 total ppm		
WEEK 11	Ripen	
400 - 600 total ppm		
WEEK 12	Flush	
0 - 200 total ppm		

FloraDuo A	FloraDuo B	CALiMAGiC	RapidStart	Liquid KoolBloom	Floralicious Plus†	FloraKleen
BASE NUTRIENT		NUTRIENT	ROOTS	WEIGHT	AROMA	FLUSH
5ml	2.5ml	5ml	2.5ml	~	1ml	~
10ml	5ml	5ml	2.5ml	~	1ml	~
15ml	5ml	5ml	2.5ml	~	1ml	~
10ml	10ml	5ml	1ml	~	1ml	~
7.5ml	15ml	5ml	1ml	2ml	1ml	~
7.5ml	15ml	5ml	1ml	2ml	1ml	~
7.5ml	15ml	5ml	~	2ml	1ml	~
7.5ml	15ml	5ml	~	2ml	1ml	~
5ml	15ml	5ml	~	2.5ml	1ml	~
5ml	15ml	5ml	~	2.5ml	1ml	~
2.5ml	7.5ml	~	~	~	1ml	~
~	~	~	~	~	~	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

- 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.
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# FloraDuo® Simple Drain To Waste

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GROWTH PHASE 18 HOUR PHOTOPERIOD	WEEK 1	Seedling
	100 - 300 total ppm	
	WEEK 2*	Early Growth
	400 - 600 total ppm	
	WEEK 3*	Late Growth
	500 - 700 total ppm	
BLOOM PHASE 12 HOUR PHOTOPERIOD	WEEK 4	Transition
	500 - 700 total ppm	
	WEEK 5	Early Bloom
	600 - 800 total ppm	
	WEEK 6**	Early Bloom
	600 - 800 total ppm	
	WEEK 7**	Mid Bloom
	600 - 800 total ppm	
	WEEK 8	Mid Bloom
	600 - 800 total ppm	
	WEEK 9	Late Bloom
	700 - 900 total ppm	
WEEK 10	Late Bloom	
700 - 900 total ppm		
WEEK 11	Ripen	
300 - 500 total ppm		
WEEK 12	Flush	
.....		

FloraDuo A	FloraDuo B	CALiMAGiC	RapidStart	Liquid KoolBloom	Floralicious Plus†	FloraKleen
BASE NUTRIENT		NUTRIENT	ROOTS	WEIGHT	AROMA	FLUSH
2.5ml	1ml	5ml	2.5ml	~	1ml	~
5ml	2.5ml	5ml	2.5ml	~	1ml	~
7.5ml	2.5ml	5ml	2.5ml	~	1ml	~
5ml	5ml	2.5ml	1ml	~	1ml	~
5ml	7.5ml	2.5ml	1ml	2ml	1ml	~
5ml	7.5ml	2.5ml	1ml	2ml	1ml	~
5ml	7.5ml	2.5ml	~	2ml	1ml	~
5ml	7.5ml	2.5ml	~	2ml	1ml	~
5ml	7.5ml	2.5ml	~	2.5ml	1ml	~
5ml	7.5ml	2.5ml	~	2.5ml	1ml	~
1ml	5ml	~	~	~	1ml	~
~	~	~	~	~	~	10ml

\*For additional weeks of growth, repeat week 2 or 3.  
\*\*For additional weeks of bloom, repeat week 6 or 7.

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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.
- When growing plants in coco media or with reverse osmosis water use 5ml of CALiMAGiC per gallon during the first two weeks.
- Feed with fresh water once a week.
- 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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