

# GENERAL HYDROPONICS®

## FLORANOVA® All amounts per 3.79 Liters (1 US Gallon)

### All 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.

#### 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.

### Drain To Waste Program

		WEEK # GROWTH STAGE: PPM RANGE:	GROWTH (18h photoperiod)				BLOOM (12h photoperiod)									
			1 Seedling 200-300	2 Early Growth 450-600	3 Late Growth 600-900	4 Transition 600-800	5 Early Bloom 500-700	6 Early Bloom 600-850	7 Mid Bloom 600-800	8 Mid Bloom 600-800	9 Mid Bloom 700-900	10 Late Bloom 550-700	11 Ripen 300-550	12 Flush 0-50		
simple program	expert program	Base Nutrient	FloraNova Grow	1.5ml	3ml	5ml	2.5ml	~	~	~	~	~	~	~	~	~
			FloraNova Bloom	~	~	~	2.5ml	5ml	5ml	5ml	5ml	5ml	5ml	3ml	~	
		Roots	RapidStart	~	2.5ml	2.5ml	1ml	1ml	1ml	1ml	1ml	1ml	~	~	~	
		Weight	Liquid KoolBloom	~	~	~	~	1ml	2ml	2ml	2ml	2.5ml	2.5ml	~	~	
		Aroma	Floralicious Plus	~	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	~	
		Flush	FloraKleen	~	~	~	~	~	~	~	~	~	~	~	10ml	
		Defense	Armor Si	~	0.5ml	1ml	1.5ml	1.5ml	1.5ml	1.5ml	1.5ml	1ml	0.5ml	~	~	
		Weight	Diamond Nectar	2.5ml	5ml	5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	~	~	~	~	
		Vigor	CALiMAGic	~	1.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	2.5ml	1.5ml	~	~	
		Aroma	FloraBlend	5ml	5ml	5ml	2.5ml	2.5ml	2.5ml	~	~	~	~	~	~	
		Flavor	FloraNectar	~	~	~	2.5ml	2.5ml	2.5ml	5ml	5ml	5ml	5ml	5ml	~	
		Ripening	Dry KoolBloom	~	~	~	~	~	~	~	~	~	~	0.25tsp	~	

### Which comes first, Armor Si or CALiMAGic?

- When using both **Armor Si** and **CALiMAGic**, add **Armor Si** to the reservoir **first**.
- When using **Armor Si** and/or **CALiMAGic**, with **Flora Series**, these products should be added **prior to adding FloraMicro**.

## CREATE YOUR OWN FEEDCHART

### Personalized Program

		WEEK # GROWTH STAGE:	GROWTH (18h photoperiod)				BLOOM (12h photoperiod)									
			1 Seedling	2 Early Growth	3 Late Growth	4 Transition	5 Early Bloom	6 Early Bloom	7 Mid Bloom	8 Mid Bloom	9 Mid Bloom	10 Late Bloom	11 Ripen	12 Flush		
simple program	expert program	Base Nutrient	FloraNova Grow													
			FloraNova Bloom													
		Roots	RapidStart													
		Weight	Liquid KoolBloom													
		Aroma	Floralicious Plus													
		Flush	FloraKleen													
		Defense	Armor Si													
		Weight	Diamond Nectar													
		Vigor	CALiMAGic													
		Aroma	FloraBlend													
		Flavor	FloraNectar													
		Ripening	Dry KoolBloom													

### 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