

HOUSE & GARDEN



House & Garden Nutrients is located in the small town of Almere, just outside of Amsterdam in the Netherlands. Owner William Van de Zwaan has been in the horticulture industry his entire life resulting in his passion for gardening as well as creating the highest quality fertilizers available on the world market. William's family owns several greenhouses which produce roses for sale at the Aalsmeer Flower Auction, the worlds largest flower auction. Before designing the House & Garden line of nutrients in 1990, William Van de Zwaan spent time developing other leading fertilizers in Holland no doubt giving him the expertise he used to create the nutrient line he branded with his family name. House & Garden is the only fertilizer company that maintains its own laboratory giving us a clear advantage in the field of research and developing new products. We constantly test each batch of fertilizer for consistent quality as well as test each new product in our own greenhouses before sending them to market. House & Garden also maintains its own fertilizer manufacturing facility further ensuring you receive the highest quality products available. House & Garden offers complete nutrition for all plants with their cutting edge formulations. The House & Garden nutrient line offers some familiar products that have been improved upon as well as some unique formulations exclusive to the House & Garden line. There are no comparisons for products like Roots Excelurator and Shooting Powder, just ask anyone that has ever used them. In short when you want the best... only House & Garden will do.



AQUA/COCO/
HYDRO



Nitrogen Boost

You've asked for it so here it is. More Nitrogen for the Veg. Use House & Garden's Nitrogen Boost when additional levels of Nitrogen are desired. House & Garden uses a highly concentrated source of Nitrogen so a little goes a long way. Caution: Overuse of Nitrogen Boost can burn plants.



Amino Treatment

Years of work in the greenhouses has resulted in House & Garden's new showcase product Amino Treatment. A Top Secret blend containing amino acids, a special variety of silicate as well as other active ingredients, Amino Treatment will amaze even the most experienced gardener.



Top Shooter

Top Shooter is a liquid version of Shooting Powder and contains high levels of phosphorous and potassium. At room temperature Top Shooter is a very thick liquid and may require heating to allow pouring. If you find this to be necessary place the metal can in hot water to heat up the liquid inside. Top Shooter is compatible with all nutrients.

Available exclusively at
Humboldt Wholesale
(707) 840 0999



www.house-garden.us

www.humboldtwholesale.com

HOUSE & GARDEN FEED CHART VEGETATIVE FEED CHART (AQUA FLAKES/COCOS/HYDRO)



SHORT VEGETATIVE CROP					
Aqua Flakes / Cocos / Hydro		CUTTINGS / SEEDLINGS	week 1	week 2	week 3
ALL MEASUREMENTS ARE PER US GALLON	Normal	2.5 mL	5.5 mL	6.5 mL	7.5 mL
	Aggressive	2.5 mL	6.5 mL	7.5 mL	9 mL
Drip Clean			0.4 mL	0.4 mL	0.4 mL
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL	1.1 mL
Amino Treatment			0.8 mL	1 mL	1.4 mL
Multi Zen			3.8 mL	3.8 mL	3.8 mL
Magic Green - FOLIAR every other week		5 mL		5 mL	
Algen Extract		1-2 mL	1-2 mL	1-2 mL	1-2 mL
Nitrogen Boost ***			1 mL	1-2 mL	2-4 mL

Mixing Instructions:

1. Fill Reservoir with water (low PPM preferred)
2. Add A component – mix thoroughly and let stand
3. Add B component – mix thoroughly and let stand
5. 5 mL on the feed chart is calling for 5.5 mL of A and 5.5 mL of B
NEVER mix "A" component and "B" component in concentrate!!
4. Adjust pH – Aqua Flakes / Cocos / Hydro – 5.8
Soil A / B / 1-Component Soil – 6.3
5. After adjusting pH add appropriate stimulants.
pH may lower after adding stimulants, this is a natural process due to the live microbial nature of the stimulant and will correct itself

TALL VEGETATIVE CROP									
Aqua Flakes / Cocos / Hydro		CUTTINGS / SEEDLINGS	week 1	week 2	week 3	week 4	week 5	week 6	week 7
ALL MEASUREMENTS ARE PER US GALLON	Normal	2.5 mL	5.5 mL	6 mL	6.5 mL	7 mL	7.5 mL	8 mL	8.5 mL
	Aggressive	2.5 mL	6 mL	7 mL	8.5 mL	9.5 mL	11 mL	12 mL	12.5 mL
Drip Clean			0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL
Amino Treatment			0.8 mL	1 mL	1.4 mL	2 mL	3.8 mL	3.8 mL	3.8 mL
Multi Zen			3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL
Magic Green - FOLIAR every other week		5 mL		5 mL		5 mL		5 mL	
Algen Extract		1-2 mL	1-2 mL	1-2 mL	1-2 mL	1-2 mL	1-2 mL	1-2 mL	1-2 mL
Nitrogen Boost ***			1 mL	1-2 mL	2-4 mL	2-4 mL	2-4 mL	2-4 mL	2-4 mL

DISCLAIMER:
FEED CHARTS CONTAIN SUGGESTED NUTRIENT LEVELS BASED ON OUR EXPERIENCE AND/OR OUR TESTING COMPLETED WITH HOUSE & GARDEN PRODUCTS. DIFFERENT PLANTS MAY REACT DIFFERENTLY; WATCH YOUR PLANTS FOR SIGNS OF NUTRIENT TOXICITY AND ADJUST NUTRIENT LEVELS ACCORDINGLY.

*** Use Nitrogen Boost when additional levels of Nitrogen are needed. Caution: Overuse of Nitrogen Boost can burn plants!!
CAUTION: Aggressive Strength is only for heavy feeding plants or extremely experienced gardeners!!! This formula can burn plants!!!

HOUSE & GARDEN FEED CHART SIX WEEK FLOWERING CYCLE (AQUA FLAKES/COCOS/HYDRO)



Aqua Flakes / Cocos / Hydro		week 1	week 2	week 3	week 4	week 5	week 6	2-3 DAY PREHARVEST FLUSH
ALL MEASUREMENTS ARE PER US GALLON	Normal	6.5 mL	7.5 mL	9.5 mL	9.5 mL	7.5 mL	7.5 mL	
	Aggressive	8 mL	10 mL	12 mL	14 mL	15 mL	15 mL	
Drip Clean		0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL				
Amino Treatment		3.8 mL	3.8 mL	3.8 mL				
Multi Zen		3.8 mL	3.8 mL					
Bud XL				3.8 mL	3.8 mL	3.8 mL	3.8 mL	
Top Booster				5.7 mL				
Shooting Powder *** OR Top Shooter ***					1/25 gal 2.5 mL	1/25 gal 2.5 mL	2/25 gal 3.8 mL	
Magic Green - FOLIAR every other week		5 - 10 mL		5 - 10 mL		2 mL		

*** Shooting Powder and Top Shooter BOTH contain high levels of phosphorous and potassium and should never be used in conjunction with one another. Liquid or Powder...not both!!



Aqua Flakes

House & Garden's **Aqua Flakes** is specifically designed for recirculating hydroponics systems. Aqua Flakes' special formulation provides plants with high quality nutrition during the growth and flowering periods. Aqua Flakes A/B is complete in macro and micronutrients, free of bulking agents and 100% water soluble.



Cocos

An extremely precise nutrient formulation is required to get it just right with a coco medium so House & Garden exercised great care when formulating our **Cocos** base nutrient. Cocos A/B is complete in macro and micronutrients, free of bulking agents and 100% water soluble.



Drip Clean

Administered at every feeding **Drip Clean** will help to remove salt particles and dirt from the root structure, hoses and mediums of any garden. Drip Clean is compatible with all mediums and solutions and can be used with tap or filtered water.

HOUSE & GARDEN FEED CHART
EIGHT WEEK FLOWERING CYCLE

(AQUA FLAKES/COCOS/HYDRO)



Aqua Flakes / Cocos / Hydro		week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8
ALL MEASUREMENTS ARE PER US GALLON	Normal	6.5 mL	7.5 mL	8.5 mL	9.5 mL	10.5 mL	7.5 mL	7.5 mL	7.5 mL
	Aggressive	8 mL	10 mL	12 mL	14 mL	14 mL	15 mL	15 mL	15 mL
Drip Clean		0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL	1.1 mL				
Amino Treatment		3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL			
Multi Zen		3.8 mL	3.8 mL	3.8 mL					
Bud XL					3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL
Top Booster						5.7 mL			
Shooting Powder *** OR Top Shooter ***							1/25 gal 2.5 mL	2/25 gal 3.8 mL	2/25 gal 3.8 mL
Magic Green - FOLIAR every other week		5-10 mL		5-10 mL		5-10 mL		2 mL	

2-3 DAY PREHARVEST FLUSH!

*** Shooting Powder and Top Shooter BOTH contain high levels of phosphorous and potassium and should never be used in conjunction with one another. Liquid or Powder...not both!!



Roots Excelurator

House & Garden's **Roots Excelurator** is a unique formulation. Use at 1.1 mL per gallon, refer to feeding chart for exact usage period.



Multi Zen

House & Garden has formulated **Multi Zen** to help you achieve maximum potential harvest after harvest. Multi Zen's unique formulation helps to aid in the break down of nutrients making them more readily available within the root zone.



Algen Extract

House & Garden's **Algen Extract** is a premium blend of Norwegian Sea Kelp containing high levels of active ingredients. Algen Extract promotes vigorous vegetative growth as well as aiding the plant's nutrient uptake. Made in small batches, you can be sure Algen Extract will always be fresh.

HOUSE & GARDEN FEED CHART
TEN WEEK FLOWERING CYCLE

(AQUA FLAKES/COCOS/HYDRO)



Aqua Flakes / Cocos / Hydro		week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	week 9	week 10
ALL MEASUREMENTS ARE PER US GALLON	Normal	6.5 mL	7.5 mL	8.5 mL	9.5 mL	10.5 mL	11.5 mL	11.5 mL	7.5 mL	7.5 mL	7.5 mL
	Aggressive	8 mL	10 mL	12 mL	12 mL	14 mL	14 mL	15 mL	15 mL	15 mL	15 mL
Drip Clean		0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL					
Amino Treatment		3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL				
Multi Zen		3.8 mL	3.8 mL	3.8 mL	3.8 mL						
Bud XL						3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL
Top Booster							5.7 mL				
Shooting Powder *** OR Top Shooter ***								1/25 gal 2.5 mL	1/25 gal 2.5 mL	2/25 gal 3.8 mL	2/25 gal 3.8 mL
Magic Green - FOLIAR every other week		5-10 mL		5-10 mL		5-10 mL		5-10 mL		2 mL	

2-3 DAY PREHARVEST FLUSH!

*** Shooting Powder and Top Shooter BOTH contain high levels of phosphorous and potassium and should never be used in conjunction with one another. Liquid or Powder...not both!!



Bud XL

A truly unique product, House & Garden's **Bud XL** is an innovative late bloom additive. Bud XL helps to extract sugars from the large leaf bracts allowing more sugar and energy to be concentrated on fruit and flower production. Using Bud XL can help to increase the size, aroma and flavor of most yields.



Top Booster

By giving the plants the impression that the final phase of its lifecycle has begun, **Top Booster** helps induce a more aggressive late flowering cycle. Plants continue to form flowers and fruits without concentrating energy on vegetative leaf growth.



Shooting Powder

Shooting Powder is House & Garden's late flowering additive. Shooting Powder helps to induce a second surge of flower production the last weeks of the flowering cycle. Compatible with all nutrient lines, Shooting Powder can help to increase yields by up to 30%.

HOUSE & GARDEN FEED CHART
TWELVE WEEK FLOWERING CYCLE

(AQUA FLAKES/COCOS/HYDRO)



Aqua Flakes / Cocos / Hydro		week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	week 9	week 10	week 11	week 12
ALL MEASUREMENTS ARE PER US GALLON	Normal	6.5 mL	8.5 mL	9.5 mL	10.5 mL	10.5 mL	10.5 mL	11.5 mL	11.5 mL	11.5 mL	7.5 mL	7.5 mL	7.5 mL
	Aggressive	8 mL	10 mL	12 mL	12 mL	12 mL	14 mL	14 mL	14 mL	15 mL	15 mL	15 mL	15 mL
Drip Clean		0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL	0.4 mL
Roots Excelurator		1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL	1.1 mL						
Amino Treatment		3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL				
Multi Zen		3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL							
Bud XL							3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL	3.8 mL
Top Booster									5.7 mL				
Shooting Powder *** OR Top Shooter ***										1/25 gal 2.5 mL	1/25 gal 2.5 mL	2/25 gal 3.8 mL	2/25 gal 3.8 mL
Magic Green - FOLIAR every other week		5-10 mL		5-10 mL		5-10 mL		5-10 mL		5-10 mL		2 mL	

2-3 DAY PREHARVEST FLUSH!

*** Shooting Powder and Top Shooter BOTH contain high levels of phosphorous and potassium and should never be used in conjunction with one another. Liquid or Powder...not both!!



Magic Green

Magic Green is a foliar spray used to increase vitality and ensure that the plants get what they need for a successful flowering period. Use Magic Green on rooted sprouts, cuttings and mother plants up to once a week during the growth phase.

High levels of Phosphorous and Potassium will still be present in the soil after Shooting Powder is used. This can cause damage to young, tender plants. Use caution when reusing soil that has been given Shooting Powder.

We at House & Garden highly recommend you inoculate your soil / hydroponics gardens with beneficial bacteria. Outside of the US we offer House & Garden Bacto Force, unfortunately we can't import this product so we recommend Great White from Plant Success, available at Humboldt Wholesale.

Use all diluted Magic Green within 4 – 6 hours of mixing. Magic Green contains active ingredients that will become anaerobic if left diluted.