

# HUMBOLDT NUTRIENTS PRODUCT GUIDE



**HUMBOLDT  
NUTRIENTS**





**HUMBOLDT NUTRIENTS** is committed to providing the best quality products for hydroponic and organic growers. Tested in Humboldt County, CA, we assure that **HUMBOLDT NUTRIENTS'** complete nutritional programs will increase the yield and quality of your favorite plants.

Humboldt County is located in the great State of California. For many years, California has been one of the largest agricultural States in the world. Vast crop production can be seen and unseen from the Northern to Southern end of California. Our farms, gardens, and greenhouses are responsible for the cultivation of a variety of plants that help feed the stomachs and minds of people all over the world.

Accompanying this variety of crop production is the extensive research in plant science, soil biology, chemistry, and many other fields related to crop production. **HUMBOLDT NUTRIENTS** has harnessed the best of our home-grown scientists. We employ leading experts in the fields of chemistry, mycology, and agronomy to assist in the formulation of **HUMBOLDT NUTRIENTS** products.

Nutrient lines imported from foreign countries are more expensive than **HUMBOLDT NUTRIENTS** due to import taxes, tariffs, and shipping costs included in their pricing structure. The quality of **HUMBOLDT NUTRIENTS** far exceeds these lines without exceeding their prices.

Thank You and Big Up Yourself,  
*Roy Gomez*  
Humboldt Nutrients



## PRODUCT GUIDE OVERVIEW



### PRODUCT CATEGORIES

- BASE NUTRIENTS •
- BLOOM BOOSTERS •
- HIGH-POWERED ADDITIVES •
- BIOLOGICAL INNOCULANTS •
- BIOLOGICAL INNOCULANTS / ROOT STIMULANTS •
- CARBOHYDRATES •
- WETTING & STICKING AGENTS •

In an effort to make this Product Guide as useful as possible to you, our valued customer, we have added some key visual features to help you better understand our extensive product lineup.

One important feature you'll notice is our color coordinated product categories (shown on the left). You'll find these colors used on our product description pages, as well as in our program feeding charts, allowing you to see at a glance what's going into your garden to produce the amazing results you've come to expect from **HUMBOLDT NUTRIENTS**.

All of our versatile **HUMBOLDT NUTRIENTS** products excel in their own right when used properly with any program or method, but for those who want to remove the guesswork from their garden, we've added these program icons (shown below) to our product description pages. This allows you to see at a glance which products are used in the program of your choice.

### PROGRAM ICON KEY

- Premium 2-part Program
- Organic Program
- 3-part Conventional Program
- Oneness Program

### SAMPLE PRODUCT LAYOUT

• **GOOD STUFF** • N-P-K

indicate the feeding program(s) in which each product is used.

name of product (it's all good...)

standard N-P-K numbers (where applicable)

label graphic

indicates organic product



# HUMBOLDT NUTRIENTS PRODUCTS



## • 2-PART PREMIUM BASE NUTRIENTS •

4-0-3

• MASTER A •

1-5-6

• MASTER B •



We would all like to master something in our lifetime. If you are looking for a professional 2-Part Premium Base Nutrient Program that outperforms the competition, you're looking for our award winning amino-chelated, **MASTER A&B**. We harvested the brightest minds from Humboldt County and sat them down with the most accomplished and innovative scientists to develop this vigorous, non-toxic program for use on any plant, in any medium. **MASTER A&B** excels in all soils, coco, and peat based soilless mixes due to its ability to maintain a lower overall salt index.



## • 2-PART ORGANIC BASE NUTRIENTS •

3-1-3

• GROW NATURAL •

0-10-0

• BLOOM NATURAL •



At HUMBOLDT NUTRIENTS it is our mission to disprove the misconception that growing organic is choosing quality over quantity. With H.N. organics you achieve both goals. **GROW & BLOOM NATURAL** provide the benefits of high powered nutrition along with the time tested purity, aroma and full flavors which are only available through the finest organic materials. **GROW & BLOOM** are derived from Yucca, cold pressed seaweed, ocean fish, soft-rock phosphate, pure cane molasses & much much more. The ingredients in this nutrient rich formula are never imported from overseas & will deliver premium organic flavors along with huge crop yields, harvest after harvest.



## • 3-PART CONVENTIONAL BASE NUTRIENTS •

2-1-6

• GROW •

5-0-1

• MICRO •

0-6-5

• BLOOM •



**GROW, MICRO & BLOOM** comprise our 3-Part Base Nutrient program. These precise formulas contain the ideal mix of nitrogen, phosphorus, potassium, micro-nutrients & trace elements needed for full-flavored harvests. Our 3-Part line is derived from safe, non-toxic raw materials sourced here in North America. This fact ensures quality, consistency & affordability. Our 3-Part nutrients contain proprietary ingredients that have helped our products consistently outperform traditional 3-parts, in side-by-side trials. All H.N. formulas are developed in partnership between Humboldt County experts and our PhD chemists.



## • 1-PART BASE NUTRIENTS •

5-9-4

• ONENESS •



This state of the art, 1-part base nutrient is made with plant-based amino & organic acid chelates, macro & micro-nutrients and complex carbohydrates. Formulated with over 30 proprietary natural chelates, **ONENESS** assures that your fruits, vegetables & herbs receive adequate nutrition without draining your bank account. The diversity of chelates protects your garden from nutrient lock-out, salt build-up, plant stress & low yields. With **ONENESS**, HUMBOLDT NUTRIENTS provides homegrown knowledge combined with state-of-the-art plant science. In these uncertain times of tribulation the world needs **ONENESS...** and so do your favorite plants.

BASE NUTRIENTS

PROGRAM ICONS



Premium 2-part Program



Organic Program



3-part Conventional Program



Oneness Program

FOR MORE INFORMATION AND COMPLETE FEEDING SCHEDULES FOR OUR ENTIRE LINE OF HIGH QUALITY NUTRIENTS, PLEASE VISIT US ONLINE AT: [www.humboldtnutrients.com](http://www.humboldtnutrients.com) OR REACH US BY PHONE AT: 1-888-420-7770



# HUMBOLDT NUTRIENTS PRODUCTS

## BLOOM BOOSTERS



### • BIG UP POWDER •

0-33-23

**BIG UP POWDER** is specifically formulated to efficiently deliver high levels of phosphorus and potassium to the fruit or flower. When used during the first week of flower, **BIG UP** flips the switch and forces your plant into producing multiple flowering sites. When used in the last few weeks, **BIG UP** provides the final boost of energy that your plants need to finish with the largest, hardest flowers you've ever seen.



### • GINORMOUS •

0-18-16

This super bloom booster is made with naturally chelated macro & micro-nutrients, trace elements and carbohydrates. Crops grown with **GINORMOUS** have higher brix levels, larger flowers and stronger aromas. **GINORMOUS** is 100% biodegradable and contains no harmful hormones or synthetic chelates. **GINORMOUS** makes the most demanding gardeners ecstatic at harvest time and give first-timers professional results.

## HIGH-POWERED ADDITIVES



### • SEA MAG •

1-3-4

Magnesium helps induce cell division, growth and other internal processes in plants. **SEA MAG** is a high-tech magnesium additive formulated to increase plant and flower growth. **SEA MAG** supercharges your plant, supplying magnesium, nitrogen, potassium, phosphorus and humic acid, preventing potential deficiencies. **SEA MAG** is great in foliar sprays and creates the happiest plants you have ever seen.



### • SEA CAL •

2-0-0

Just as humans use calcium to build bones & nervous system tissue, plants utilize (Ca) to build stalks, leaves & internal structures which carry out nutrient circulation & absorption. **SEA CAL** was designed for use on any type of vegetable, flower or herb. **SEA CAL** contains 3% calcium while competing products only offer small amounts of (Ca). This additive provides maximum flower production for heavier, tastier crops.



### • VERDE •

16-1-2

Vibrant greens and vigorous growth are what to expect with **VERDE**. Used as a foliar or as a growth catalyst for all your favorite plants, **VERDE** initiates rapid growth for superior internal structures and lifelong plant health. Competing nutrient lines offer a (16-0-0), but Nitrogen alone cannot provide plants with the nutrition needed for healthy crops. **VERDE** contains N, P, K, Ca, Mg, Mn, Fe and other trace elements.



### • DEUCEDEUCE •

0-0-22

Besides Nitrogen, Potassium is the element most absorbed by plants. Potassium improves & drives photosynthetic activity in plants. **DEUCEDEUCE** is a 22% potassium bloom booster harvested from domestic sources and containing no artificial ingredients. Used as a stand alone additive, **DEUCEDEUCE** will show you the difference between nutrients and professionally created, Humboldt Nutrients.



### • HUM-BOLT •

Eons ago the Earth was covered in a humate layer: a rich soil layer containing beneficial micro-organisms, vitamins and minerals. Over time soil naturally develops humic acid, a long carbon molecule which plays many roles in microbiology. Humic acid transforms soil into more useful and nutrient rich humus. **HUM-BOLT** is a strong and effective 8% Humic acid concentrate which excels in soil.



### • FLAVORFUL •

Fulvic acid is highly refined Humic acid. Using all natural methods of extraction only the longest carbon molecules in Humic acid are filtered out, giving us Fulvic acid. **FLAVORFUL** is a powerful 8% Fulvic acid concentrate for use on all of your favorite plants, in any gardening method. Although Fulvic Acid is a derivative of Humic Acid, there are several unique properties in both.

PROGRAM ICONS



Premium 2-part Program



Organic Program



3-part Conventional Program



Oneness Program

FOR MORE INFORMATION AND COMPLETE FEEDING SCHEDULES FOR OUR ENTIRE LINE OF HIGH QUALITY NUTRIENTS, PLEASE VISIT US ONLINE AT: [www.humboldtnutrients.com](http://www.humboldtnutrients.com) OR REACH US BY PHONE AT: 1-888-420-7770



NATURAL  
100%

## • MAYAN MICROZYME •



This 100% organic and ecologically safe bacterial complex contains multiple species of soil micro-organisms that increase fertility & provide vital nutrients to your garden. The organisms in MAYAN pre-digest nutrients, produce and regulate nitrogen, and suppress plant pathogens. The micro-organisms in this concentrate (micro-encapsulated for long shelf life) become active & rapidly increase when added to water and brewed.



BIOLOGICAL INNOCUANTS

NATURAL  
100%

## • PROZYME •



Enzymes are catalysts, increasing the rate of reactions. PROZYME is a concentrate with a diverse blend of over 80 enzymes. This dark biological breaks down dead root mass, nutrients & carbs making them available to the plant. Competing enzyme products are clear, indicating the low enzymatic species count. When using a catalyst like PROZYME, chemical reactions can take place 15 million times faster than if left un-catalyzed.

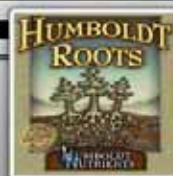


NATURAL  
100%

## • HUMBOLDT ROOTS •



The soul of every plant resides in the roots. Many neglect this and focus on the visual aspects of their plants. HUMBOLDT ROOTS is a concentrated organic root stimulant that expands root zones. A large yield is directly related to a plant's metabolism, which is directly related to the plant's ability to take-up nutrients and fertilizers from the root zones. HUMBOLDT ROOTS expands root zones creating large, flavorful yields.



BIOLOGICAL INNOCUANTS / ROOT STIMULANTS

NATURAL  
100%

## • MYCO MADNESS •



This biologically active soluble powder contains beneficial bacteria, Mycorrhizal Fungi, Trichoderma, and a specially formulated natural root stimulant. These micro-organisms colonize roots and extend root zones into surrounding media increasing the surface area of the root system. H.N. employed a leading Mycologist to formulate this yield-enhancing product which is well-suited to a variety of gardens and plants.



NATURAL  
100%

## • MYCO MAXIMUM •



Like its cousin MYCO MADNESS, MYCO MAXIMUM is a diverse biological package of beneficial bacteria, Mycorrhizal Fungi & stimulants. MYCO MAXIMUM is a granular powder featuring 20 different amino acids and 11 time-released carbohydrates which feed micro-organisms over time. With MYCO MAXIMUM the quality and quantity of yield will amaze you, trouncing your past harvest's flavors and yields in all your favorite plants.



NATURAL  
100%

## • GEOLIFE •



GEOLIFE® is a complex soil amendment containing a laboratory of micro-organisms that support beneficial microbiology in your garden. This highly advanced 3-part application of live micro-organisms & microbial stimulants will achieve maximum fixation of all elements when combined with fresh organic matter. The foliar application of GEOLIFE is a phytostimulant that increases the photosynthetic activity in your garden.



## • HUMBOLDT HONEY HYDRO •



Carbohydrates supply the energy needed to drive biochemical systems. HUMBOLDT HONEY HYDRO is loaded with sugars which feed beneficial micro-organisms and plants. These sugars fortify your garden with energy and your crops with flavor, enhancing the quality of fruits and flowers. HUMBOLDT HONEY HYDRO will increase the sugar content and quality of all your favorite vegetables, flowers and herbs.



CARBOHYDRATES

NATURAL  
100%

## • HUMBOLDT HONEY ES •



Just as humans host beneficial bacteria in their digestive systems, plants must host microbial life in their root zones for proper digestion. The ES means Extra Strength. This powerful additive increases brix levels by providing sugars to the micro-organisms which live in your soil. HUMBOLDT HONEY ES will not only enhance the quality, flavor & quantity of your crop, but it will increase the long term quality of the surrounding soil.



## • HUMBOLDT STICKY •



This state-of-the-art wetting agent uses natural surfactants and organic saponins to help nutrients, pesticides and additives penetrate directly into leaf stomata (pores) delivering nutrients where they are most effective while equally distributing foliar sprays across the surface of the plant canopy. With HUMBOLDT STICKY your plants get all that they should from foliar sprays without any waste or under fertilization.



WETTING & STICKING





# ORGANIC NUTRIENT PROGRAM



This Organic Nutrient Program disproves the myth that when using organic practices over conventional, you are choosing quality over quantity. Our organic line is a 1st class alternative to chemical fertilizers and additives. This high powered program will produce the highest quality and quantity... time after time. In an Organic garden, plants depend heavily on beneficial micro-organisms to help digest crucial elements present in fertilizers, carbohydrates, guanos and all organic matter. Humans rely on this same biological activity to help digest our food. The carefully selected and diverse number of micro-organisms contained in products like MAYAN MICROZYME, GEOLIFE, MYCO MADNESS and PROZYME speed up the natural breakdown process and assure that crucial elements are absorbed in the root zone. This biologically influenced program was specifically designed to ensure that short cycle crops can fully utilize what the organic gardener is providing for them in all soil applications.

## 8-WEEK - Soil

## ORGANIC PROGRAM (MODERATE FEEDING)



	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>GROW NATURAL</b>	5ml	5ml	5ml	5ml	5ml	5ml	5ml	5ml	4ml	4ml	3ml	Flush
<b>BLOOM NATURAL</b>					4ml	5ml	5ml	7ml	10ml	10ml	10ml	Flush
<b>DEUCEDEUCE</b>						1ml	1ml	2ml	2ml	3ml	4ml	Flush
<b>HUM-BOLT</b>	1ml	1ml	1ml	1ml	1ml	2ml	2ml	2ml	2ml	3ml	4ml	Flush
<b>FLAVORFUL</b>	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml			Flush
<b>MAYAN MICROZYME</b>	1ml	1ml	1ml	1ml	1ml	1ml	1ml					Flush
<b>PROZYME</b>	2ml	2ml	2ml	2ml	2ml	2ml	5ml	5ml	7ml	10ml	10ml	Flush
<b>MYCO MADNESS</b>	1/4tsp	1/4tsp	1/4tsp	1/4tsp	1/2tsp	1/2tsp	1/2tsp					Flush
<b>MYCO MAXIMUM</b>	Add to soil prior to planting : Ratio is 4 oz. per 1.5 cubic feet or 2 tbsp. per gallon container.											
<b>HUMBOLDT ROOTS</b>	1ml	1ml	1ml	1ml	2ml	2ml	2ml					Flush
<b>GEOLIFE<sup>®</sup></b>	1st Application	2nd Application			3rd Application							Flush
<b>HUMBOLDT HONEY ES</b>	1ml	1ml	1ml	1ml	1ml	1ml	2ml	2ml	5ml	5ml	10ml	15ml

\*All application measurements are per gallon

## 10-WEEK - Soil

## ORGANIC PROGRAM (MODERATE FEEDING)



	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8	Bloom Week 9	Bloom Week 10
<b>GROW NATURAL</b>	5ml	5ml	5ml	5ml	5ml	5ml	5ml	5ml	5ml	4ml	4ml	4ml	3ml	Flush
<b>BLOOM NATURAL</b>					4ml	5ml	5ml	7ml	10ml	10ml	10ml	12ml	10ml	Flush
<b>DEUCEDEUCE</b>						1ml	1ml	2ml	2ml	3ml	3ml	4ml	4ml	Flush
<b>HUM-BOLT</b>	1ml	1ml	1ml	1ml	1ml	2ml	2ml	2ml	2ml	3ml	3ml	4ml	4ml	Flush
<b>FLAVORFUL</b>	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml	1ml					Flush
<b>MAYAN MICROZYME</b>	1ml	1ml	1ml	1ml	1ml	1ml	1ml							Flush
<b>PROZYME</b>	2ml	2ml	2ml	2ml	2ml	2ml	5ml	5ml	7ml	10ml	10ml	10ml	10ml	Flush
<b>MYCO MADNESS</b>	1/4tsp	1/4tsp	1/4tsp	1/4tsp	1/2sp	1/2tsp	1/2tsp							Flush
<b>MYCO MAXIMUM</b>	Add to soil prior to planting : Ratio is 4 oz. per 1.5 cubic feet or 2 tbsp. per gallon container.													
<b>HUMBOLDT ROOTS</b>	1ml	1ml	1ml	1ml	2ml	2ml	2ml							Flush
<b>GEOLIFE<sup>®</sup></b>	1st Application	2nd Application			3rd Application									Flush
<b>HUMBOLDT HONEY ES</b>	1ml	1ml	1ml	1ml	1ml	1ml	2ml	2ml	5ml	5ml	5ml	10ml	10ml	15ml

\*All application measurements are per gallon

**FOR BEST RESULTS:** Humboldt Nutrients organic feeding schedules work best in soil applications. For optimum biological activity which fixates and increases availability of nutrients, combine nutrients and additives with water and allow to "brew" for at least 24 hours prior to use.

Always use un-chlorinated water, maintain pH levels between 5.5-7.0 and check reservoir after adding all nutrients. Oxygenate water before and during application. To prevent nutrient settling, always use a pump at the bottom of the reservoir to continually agitate and mix the nutrient water during application. Research and Development conducted using water obtained by reverse osmosis containing near 0 PPM.





# 2-PART PREMIUM BASE NUTRIENT PROGRAM



All HUMBOLDT NUTRIENTS feeding charts are the result of over eight years of Research and Development. During R&D, the Humboldt County Community has provided valuable feedback and side-by-side trials. Our unique community has helped HUMBOLDT NUTRIENTS fine tune our programs that consistently outperform all competing nutrient lines. The MASTER A&B program will prove that claim. Below you will find two separate feeding charts for different growing methods and media. Using these programs, your yields and quality will increase so dramatically that your friends will call you "The Master."

2-PART PREMIUM BASE NUTRIENT PROGRAM - FEEDING CHARTS



## 2-PART PREMIUM PROGRAM (MODERATE FEEDING)

### 8-WEEK - Drain-to-Waste

	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>MASTER A</b>	2ml	3ml	4ml	4ml	5ml	6ml	7ml	8ml	9ml	10ml	8ml	Flush
<b>MASTER B</b>	2ml	3ml	4ml	4ml	5ml	6ml	7ml	8ml	9ml	10ml	8ml	Flush
<b>VERDE</b>	2ml	3ml	4ml	4ml	2ml	1ml						Flush
<b>BIG UP POWDER</b>					1/2tsp					1tsp	1/2tsp	Flush
<b>GINORMOUS</b>						1ml	1ml	2ml	2ml			Flush
<b>SEA MAG</b>						3ml		3ml	2ml	2ml	2ml	Flush
<b>SEA CAL</b>	2ml	2ml	2ml	2ml	3ml		3ml					Flush
<b>HUM-BOLT</b>	1ml	1ml	2ml	2ml	2ml	5ml	5ml	5ml	5ml	5ml	5ml	Flush
<b>FLAVORFUL</b>	1ml	1ml	2ml	2ml	2ml	5ml	5ml	5ml	5ml	5ml	5ml	Flush
<b>MAYAN MICROZYME</b>	2ml	2ml	2ml	2ml	2ml	2ml						Flush
<b>PROZYME</b>	5ml	5ml	5ml	5ml	10ml	10ml	15ml	15ml	20ml	20ml	10ml	Flush
<b>MYCO MADNESS</b>	1/2tsp	1/2tsp	1/2tsp	1/2tsp	1/2tsp	1/2tsp						Flush
<b>HUMBOLDT ROOTS</b>	2ml	2ml	2ml	2ml	2ml	2ml	2ml					Flush
<b>HUMBOLDT HONEY ES</b>					2ml	2ml	2ml	5ml	10ml	15ml	15ml	15ml
<b>PPM</b>	500	640	750	750	825	1000	1150	1375	1475	1600	1300	

This Drain-To-Waste feeding chart is for gardeners using soil, coco, peat, vermiculite, rockwool and any soilless blends. Drain-To-Waste methods usually consist of a media that can hold a good ratio of water, oxygen, and fertilizer, without the necessity of constant feed.

\*All application measurements are per gallon



## 2-PART PREMIUM PROGRAM (MODERATE FEEDING)

### 8-WEEK - Re-Circulating

	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>MASTER A</b>	4ml	4ml	5ml	5ml	4ml	6ml	7ml	8ml	9ml	10ml	8ml	Flush
<b>MASTER B</b>	2ml	2ml	3ml	3ml	4ml	6ml	7ml	8ml	9ml	10ml	8ml	Flush
<b>GINORMOUS</b>					3ml	1ml	1ml	2ml	2ml	4ml	3ml	Flush
<b>SEA MAG</b>	1ml	2ml	2ml	3ml	3ml	3ml	3ml	3ml	3ml	3ml	3ml	Flush
<b>SEA CAL</b>	1ml	2ml	2ml	3ml	3ml	3ml	3ml	3ml	3ml	3ml	3ml	Flush
<b>PROZYME</b>	2ml	2ml	3ml	3ml	4ml	4ml	5ml	5ml	5ml	6ml	6ml	Flush
<b>HUMBOLDT ROOTS</b>	2ml	2ml	2ml	2ml	2ml	2ml						Flush
<b>PPM</b>	500	640	750	750	825	1000	1150	1375	1475	1600	1300	

This Re-Circulating feeding chart is for gardeners using a less water retentive medium or no media at all. This includes Aeroponics, Deep Water Culture, or Fogponics. Some media commonly used in these methods are Hydroton, Perlite, and Silica Stones.

\*All application measurements are per gallon

**FOR BEST RESULTS:** Always use un-chlorinated water, maintain pH levels between 5.5-7.0 and check reservoir after adding all nutrients. Due to our use of multiple chelating agents in our formulas, the elements within our products can be absorbed by plants in a wider range of pH levels.

Oxygenate water before and during application. To prevent nutrient settling, always use a pump at the bottom of the reservoir to continually agitate and mix the nutrient water during application. Research and Development conducted using water obtained by reverse osmosis containing near 0 PPM.





# 3-PART CONVENTIONAL BASE NUTRIENT PROGRAM



HUMBOLDT NUTRIENTS 3-Part Conventional Feeding Program was designed in Humboldt County using the brightest minds in high performance gardening and formulas from one of the world's most experienced chemists. HUMBOLDT NUTRIENTS recognized that there had been little, if any, improvement to traditional 3-Part fertilizers in over 25 years. With that in mind, HUMBOLDT NUTRIENTS has formulated this most effective 3-Part fertilizer using multiple chelates, proprietary phosphorous boosters and scientific accuracy. The multiple chelates help assure that all the elements are safe from locking out. This program can be utilized in any type of soil, soilless or hydroponic media. Re-Circulated or Drain-To-Waste, this 3-Part program was designed for diversity and performance.

3-PART CONVENTIONAL BASE NUTRIENT PROGRAM - FEEDING CHARTS



## 3-PART CONVENTIONAL (MODERATE FEEDING)

	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>GROW</b>	3ml	4ml	4ml	4ml	5ml	5ml	4ml	4ml	4ml	3ml	3ml	Flush
<b>MICRO</b>	3ml	3ml	4ml	4ml	5ml	5ml	6ml	7ml	8ml	9ml	8ml	Flush
<b>BLOOM</b>	1ml	2ml	3ml	4ml	4ml	5ml	6ml	7ml	8ml	9ml	8ml	Flush
<b>BIG UP POWDER</b>					1/2tsp					2tsp	1tsp	Flush
<b>GINORMOUS</b>						1ml	1ml	1ml	1ml			Flush
<b>SEA MAG</b>						1ml		2ml	2ml	2ml	2ml	Flush
<b>SEA CAL</b>	1ml	1ml	1ml	1ml	1ml		2ml					Flush
<b>FLAVORFUL</b>	1ml	2ml	2ml	2ml	3ml	3ml	3ml	5ml	5ml	5ml	5ml	Flush
<b>PROZYME</b>	10ml	10ml	10ml	10ml	15ml	15ml	20ml	20ml	10ml	10ml	10ml	Flush
<b>HUMBOLDT ROOTS</b>	2ml	2ml	2ml	2ml	2ml	2ml						Flush
<b>HUMBOLDT HONEY HYDRO</b>					1ml	1ml	1ml	2ml	3ml	5ml	5ml	Flush
<b>PPM</b>	450	525	650	700	900	90	1075	1200	1300	1500	1300	

\*All application measurements are per gallon



## 3-PART CONVENTIONAL (MODERATE FEEDING)

	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8	Bloom Week 9	Bloom Week 10
<b>GROW</b>	3ml	4ml	4ml	4ml	5ml	5ml	4ml	4ml	4ml	3ml	3ml	3ml	3ml	Flush
<b>MICRO</b>	3ml	3ml	4ml	4ml	5ml	5ml	6ml	7ml	8ml	9ml	9ml	8ml	8ml	Flush
<b>BLOOM</b>	1ml	2ml	3ml	4ml	4ml	5ml	6ml	7ml	8ml	9ml	9ml	8ml	8ml	Flush
<b>BIG UP POWDER</b>					1/2tsp							1tsp	1/2tsp	Flush
<b>GINORMOUS</b>						1ml	1ml	1ml	1ml	2ml	2ml			Flush
<b>SEA MAG</b>						1ml		2ml	2ml	2ml	2ml	2ml	2ml	Flush
<b>SEA CAL</b>	1ml	1ml	1ml	1ml	1ml		2ml							Flush
<b>FLAVORFUL</b>	1ml	2ml	2ml	2ml	3ml	3ml	3ml	5ml	5ml	5ml	5ml	5ml	5ml	Flush
<b>PROZYME</b>	10ml	10ml	10ml	10ml	15ml	15ml	20ml	20ml	10ml	10ml	10ml	10ml	10ml	Flush
<b>HUMBOLDT ROOTS</b>	2ml	2ml	2ml	2ml	2ml	2ml								Flush
<b>HUMBOLDT HONEY HYDRO</b>					1ml	1ml	1ml	2ml	3ml	5ml	5ml	5ml	5ml	Flush
<b>PPM</b>	450	525	650	700	900	950	1075	1200	1300	1500	1500	1300	1300	

\*All application measurements are per gallon

**FOR BEST RESULTS:** Always use un-chlorinated water, maintain pH levels between 5.5-7.0 and check reservoir after adding all nutrients. Due to our use of multiple chelating agents in our formulas, the elements within our products can be absorbed by plants in a wider range of pH levels. Oxygenate water before and during application. To prevent nutrient settling, always use a pump at the bottom of the reservoir to continually agitate and mix the nutrient water during application. Research and Development conducted using water obtained by reverse osmosis containing near 0 PPM.

Humboldt Nutrients complete hydroponic feeding schedules work great with re-circulating, drain to waste, and all other growing methods. If using an ebb & flow system, every 5-7 days drain your reservoir then clean your pump and equipment.





ONENESS (5-9-4) is a unique proprietary combination of plant-based amino and organic acid chelates, complex carbohydrates, macro-nutrients, micro-nutrients and trace elements. This unique, state-of-the-art blend sets ONENESS apart from the competing synthetically chelated one-part formulas. This diversity of natural chelates efficiently delivers soluble nutrients to all your favorite plants and protects your garden from nutrient lock-out and salt build-up. To maintain a healthy garden you must provide nutrition for your plants as well as the micro-organisms which live in and around your plant's root zone. ONENESS is used as a food source by both plants and micro-organisms and is 100% biodegradable. The ONENESS Program gives the gardener peace of mind, combining utility, practicality and affordability into a productive, user friendly system. The beauty of the ONENESS Program is that all types of gardeners will achieve "old timer" results. Our team of agronomists and chemists have developed this feeding schedule for use in any kind of garden or media. The ONENESS Program will produce a crop so plentiful, aromatic and delicious that anyone who experiences the results will feel an overwhelming sense of "ONENESS."

## 8-WEEK - Hydroponic/Aeroponic/Fogponic/Deep Water Culture

### THE ONENESS PROGRAM (MODERATE FEEDING)



	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>ONENESS</b>	3ml	4ml	4ml	5ml	5ml	5ml	5ml	4ml	4ml	4ml	3ml	Flush
<b>GINORMOUS</b>					1ml	1ml	2ml	3ml	5ml	8ml	6ml	Flush
<b>SEA MAG</b>	1ml	1ml	2ml	2ml	3ml	5ml	5ml	6ml	7ml	6ml	6ml	Flush
<b>SEA CAL</b>	2ml	2ml	3ml	3ml	3ml	4ml	5ml	5ml	5ml	4ml	4ml	Flush
<b>PROZYME</b>	1ml	1ml	1ml	1ml	3ml	3ml	3ml	5ml	5ml	5ml	5ml	Flush
<b>HUMBOLDT ROOTS</b>	1ml	1ml	2ml	2ml	2ml	2ml	2ml					Flush
<b>GEO LIFE<sup>®</sup></b>	1st Application	2nd Application			3rd Application							Flush
PPM	300	450	500	600	700	800	900	1000	1200	1500	1200	

\*All application measurements are per gallon

## 8-WEEK - Soil

### THE ONENESS PROGRAM (MODERATE FEEDING)



	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4	Bloom Week 5	Bloom Week 6	Bloom Week 7	Bloom Week 8
<b>ONENESS</b>	3ml	4ml	4ml	5ml	5ml	5ml	5ml	4ml	4ml	4ml	3ml	Flush
<b>GINORMOUS</b>					1ml	1ml	2ml	3ml	5ml	8ml	6ml	Flush
<b>SEA MAG</b>	1ml	1ml	2ml	2ml	3ml	5ml	5ml	6ml	7ml	6ml	6ml	Flush
<b>SEA CAL</b>	2ml	2ml	3ml	3ml	3ml	4ml	5ml	5ml	5ml	4ml	4ml	Flush
<b>PROZYME</b>	1ml	1ml	1ml	1ml	3ml	3ml	3ml	5ml	5ml	5ml	5ml	Flush
<b>MYCO MADNESS</b>	1/2tsp	1/2tsp	1/2tsp	1/2tsp	1/2tsp	1/2tsp	1/2tsp					Flush
<b>HUMBOLDT ROOTS</b>	1ml	1ml	2ml	2ml	2ml	2ml	2ml					Flush
<b>GEO LIFE<sup>®</sup></b>	1st Application	2nd Application			3rd Application							Flush

\*All application measurements are per gallon

**FOR BEST RESULTS:** The ONENESS Program works excellent in all growing applications: ebb & flow (re-circulating), drain to waste, soil, soil-less, aeroponic, deep water culture and fogponic systems, using any growing media or garden setup. If using an ebb & flow system, drain your reservoir every 5-7 days then clean your equipment, pumps, and remove any filmy build-up on the reservoir itself.

Always use un-chlorinated water, maintain pH levels between 5.5 - 7.0 and check reservoir after adding all nutrients. Due to our use of multiple chelating agents in our formulas, the elements within our products can be absorbed by plants in a wider range of pH levels. Oxygenate water before and during application. To prevent nutrient settling, always use a pump at the bottom of the reservoir to continually agitate and mix the nutrient water during application. Research and Development conducted using water obtained by reverse osmosis containing near 0 PPM.

\*If Using GEO LIFE<sup>®</sup> in a re-circulating system DO NOT change reservoir out for first 2 weeks of Grow. Let the GeoLife<sup>®</sup> solution mature in your system for a full 2 weeks.





# QUICK REFERENCE GUIDE

for more information and answers to Frequently Asked Questions, visit us online at:

[www.humboltdnutrients.com](http://www.humboltdnutrients.com)

## LIGHT

Lumens measure the perceived power of light, the intensity which the human eye can detect. Humans can visually see only a short range of color in the light spectrum, while plants absorb almost all colors in the sun's spectrum through photosynthesis. The sun provides a range of colors in its spectrum throughout the year. Artificial lights have a difficult time mimicking the magnificent spectrum of the sun. Metal Halide bulbs are bluish in an attempt to mimic the sun's spectrum during the spring months. These are commonly used during the vegetative stage. High Pressure Sodium lights illuminate more of the orange-reddish spectrum, akin to the summer sun. These bulbs are commonly used during the blooming stage.



## CYCLES

In vegetative or growth stages plants ideally want to receive 18 hours of light and 6 hours of darkness. In blooming or flowering stages plants must receive 12 hours of darkness and 12 hours of light.



## WATER

Water should be free of chlorine & have near 0 PPM. Tap water often contains chlorine to kill harmful biologicals. Unfortunately this indiscriminately kills beneficial bacteria. Test the PPM of your tap water; if H<sub>2</sub>O is above 300 PPM we recommend using reverse osmosis, if below 300 PPM, a filter will remove chlorine.



## PH & PPM

The acid or alkaline level of a solution is pH. Pure water contains a neutral pH of 7.0. Water pH can be tested and adjusted; this should be a major concern for hydroponic gardeners. A good pH for your plants can range from 5.5 to 7.0. Parts-per-million (PPM) is a measure of how many particles of salts, metals or other elements are present in a body of water. Adding nutrients and additives to a water reservoir increases the PPM.



## PESTS, PATHOGENS & PREVENTION

Many pest and pathogens can devastate your garden, which is why preventative care is important. Dipping plants in a pesticide when they are young is an effective way to ensure that the whole plant is protected. Foliar sprays and fungicides are also very helpful in keeping a garden pathogen free. The more effort put into early preventative measures, the less likely an overwhelming infestation will occur in the later bloom stages (when spraying is less desirable).





## FOLIAR SPRAYS

## FOLIAR SPRAY FEEDING SCHEDULE

Foliar sprays are used to directly feed open leaf stomata (pores) & are vital to maintaining a healthy, happy garden. Too many gardeners ignore this important, yield increasing practice. Foliar sprays are effective in the morning, and most effective at the end of the day, when the garden is approaching the dark cycle. A consistent foliar spray regimen reduces pathogens and parasites like mites, leaf miners, and powder mold.

	Grow Week 1	Grow Week 2	Grow Week 3	Grow Week 4	Bloom Week 1	Bloom Week 2	Bloom Week 3	Bloom Week 4
<b>STICKY</b>	15ml	15ml	15ml	15ml	15ml	15ml	15ml	Do NOT SPRAY
<b>ONENESS</b>	2ml	2ml	3ml	3ml	1ml	1ml	1ml	Do NOT SPRAY
<b>VERDE</b>	1ml	2ml	3ml	3ml				Do NOT SPRAY
<b>GINORMOUS</b>					3ml	4ml	5ml	Do NOT SPRAY
<b>FLAVORFUL</b>	2ml	2ml	2ml	2ml	2ml	2ml	2ml	Do NOT SPRAY
<b>SEA CAL</b>	2ml	2ml	2ml	3ml	3ml	2ml	2ml	Do NOT SPRAY
<b>SEA MAG</b>	2ml	2ml	2ml	3ml	3ml	2ml	2ml	Do NOT SPRAY
TDS	250	350	450	500	550	600	700	

\*all applications are Per Gallon of Foliar Spray

## SOILS & MEDIA

Coco, Rockwool, Hydroton & Sure-To-Grow are all inert media. This means that they contain no usable matter or nutrients for your plants. The only role these media play is in providing a strong sub-structure in which roots can thrive and expand. All the needs of the plant must be met with nutrient solutions in inert gardens. Soil, however, is biologically active & alive. Micro-organisms live in your soil, continually breaking down organic material into smaller particles which can be absorbed as food by plants. High porosity soil-less mixes are made using coco & peat as a base. These mixes of vermiculite, perlite, coco & peat share qualities of inert media, such as air flow and structure, with the addition of colonizing beneficial micro-organisms.



## BIOLOGICALLY ACTIVE? OR INERT?

In an organic garden, micro-organisms help break down organic matter, fertilizers & supplements, resulting in readily available and usable plant food. Hydroponic gardeners using inert media are less reliant on biological activity and more dependant on soluble fertilizers in the reservoir. Some hydroponic gardeners prefer to keep a sterile environment while others choose to incorporate biological inoculants. Media like Coco is fibrous and can colonize beneficial bacteria and fungi. Inert media like Hydroton balls cannot support this biological activity. High-porosity soilless media offer aspects of both inert and biologically active media, and can be used either way.

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### U.S. - Metric Conversions

#### Liquid

1 Teaspoon	5.00 ml	0.1670 oz
1 Tablespoon	15.0 ml	0.5000 oz
1 Ounce	30.0 ml	1.0000 oz
1 Quart	946. ml	32.000 oz
1 Gallon	3750 ml	128.00 oz





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