



Carefree GARDEN

134 West Drive
Lodi, Ohio 44254

Hours:
10-6pm M-F
(330)302-4203

Call with questions, availability & shipping rates
If you don't see what you need, we can order it for you.
Give us a call at 800-321-5656

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CLONING

EZ-Clone is the top of the line cloning machine on the market. Custom made to ensure fast, effective rooting of clones. All EZ-Clone products have the highest quality plastic and parts available on the market, including Danner Mag Drive Pumps, and all are proudly made in the USA. The Mag Drive Pumps come with a full one year manufacturer's warranty. Get guaranteed results now with rooting in 5 days with 100% success. EZ-Clone features custom Neoprene Collars and many spray heads ensure maximum aeration and coverage of roots with nutrient solution. The system has a high flow-rate irrigation system, external air intake system, leak resist lid and deep lid base for easy access.

EZ-Clone Machine with 30 Plant Sites, 22.5"x 17", 15" high
Item # EZC1000 \$ 309.95

EZ-Clone Machine with 60 Plant Sites, 32.5"x 19.5", 15" high
Item # EZC1001 \$ 354.95

EZ-Clone Machine with 120 Plant Sites 45.4" x 25", 10.2" high
Item # EZC1002 \$ 454.95

EZ-Clone Inserts are custom made neoprene collars are pre-slit for easy insertion of cuttings.

Item # EZCNI \$ 0.45

EZ Clone 360 Replacement Mister, Replacement Spray Head
Item # EZCSPJ \$ 0.50

Cloning Gels are used to dip cuttings for asexual propagation, or "cloning". They contain varying concentrations of the active ingredient, the hormone Indole Butyric Acid (IBA). Use a cloning solution or a weak bloom nutrient solution to encourage root growth. Clonex rooting gel is tried and true. .3% I.B.A.

Clonex Cloning Gel, 100 Milliliters
Item # ROO1000 \$ 22.00

Clonex Cloning Gel, 250 Milliliters
Item # ROO1003 \$ 45.00

Clonex Clone Solution is a clone specific nutrient formulated using a special blend of minerals, vitamins, wetting agents and root promoters. It encourages rapid root development while helping to minimize stress.

Clonex Clone Solution, 1 Quart
Item # ROO1001 \$ 25.00

Olivia's Cloning Gel Stimulates rapid root development and feeds new cutting as they root with a 90% - 100% success rate. Eliminates transplant shock and promotes superior start and growth. For the home hobbyist or professional and for all plants; indoor and outdoor, hydroponics and soil. Safe and easy to use.

Olivia's Cloning Gel, 4 Ounces
Item # CLO2002 \$ 21.95

Olivia's Cloning Solution is a nutrient & propagation liquid that promotes vigorous growth & rapid root development for all types of plants, flowers, fruits & vegetables. Olivia's Cloning Solution contains nutrients and .3% IBA to get clones rooted fast.

Olivia's Cloning Solution, 1 Quart
Item # CLO2001 \$ 12.95

Dip 'n Grow Liquid concentrate, easily diluted with water. Proven formula that contains both rooting auxins recognized as root inducing (IBA and NAA)-all from one bottle. Allows the rooting hormones to be absorbed into the cutting stem more evenly and easily, increasing rooting success over the leading powders.

Dip 'n Grow, 2 Ounces
Item # DIP1000 \$ 9.95

Dyna-Gro KLN Contains Vitamin B1 and rooting hormones: IBA and NAA K-L-N. Promotes root growth in trees, foliage and flowering plants. For propagating cuttings, air layering, and transplanting drench for bare-root stock and newly potted plants. Drench, dip or mist your plants to stimulate new root growth.

Dyna-Gro KLN, 8 Ounces
Item # KLN1000 \$ 9.95

Hygrozyme Premiere horticultural enzymatic formula. Enzymes are natural and environmentally friendly. They are catalysts and speed up chemical reactions. Enzymes in a growing medium eat dead protein, removing areas where illness develops. Through this breakdown process plants are better able to obtain nutrients. More nutrients, less attacks, allowing plants to grow bigger, stronger, and faster.

Hygrozyme, 500 Milliliters
Item # HYG3002 \$ 21.95

Hygrozyme, 1 Liter
Item # HYG3000 \$ 36.99

Hygrozyme, 4 Liter
Item # HYG3001 \$ 135.25

Roots is a highly concentrated organic root stimulant that expands the root zone during the critical growth stage. Humboldt Roots was specifically designed to expand the root zone, resulting in larger yields. The ingredients are Ascophyllum Nodosum, Humic Acids derived from Leonardite, Potassium Humate, Quillaja Saponaria Extract, and Amino Acids.

Roots, 50 Milliliters
Item # HUM1022 \$ 22.00

ENVIRONMENTAL CONTROL

Note: M.H.= Metal Halide, best for vegetative growth H.P.S.= High Pressure Sodium, best for fruiting and flowering
We recommend high intensity fluorescent lighting for starting seedlings and rooting cuttings

H.I.D. Lighting Systems

H.I.D. Lighting Ballasts

Xtrasun series ballasts feature on/off switches, detachable cord sets and are backed by Hydrofarm's new extended 5 year warranty, the longest in its class.

400 Watt M.H. Ballast	Item # LIG5804	\$ 129.95
1000 Watt M.H. Ballast	Item # LIG5805	\$ 179.95
400 Watt H.P.S. Ballast	Item # LIG5803	\$ 159.95
600 Watt H.P.S. Ballast	Item # LIG5806	\$ 199.95
1000 Watt H.P.S. Ballast	Item # LIG5802	\$ 199.95

Lumatek E-ballast is more than a dimmable ballast, the new Dial-A-Watt Lumateks allow you to power a multitude of different wattage lamps or the same ballast, giving gardeners total control of their lights. The ballasts power both metal halide and high pressure sodium lamps. Brightest and most reliable E-ballast available and can be dimmed to 50%. It can power different wattage lamps on the same ballast. Up to 10% more light at the flip of a switch. Internal resin coating protects components for long life and external breaker system protects against power surges. Completely silent. 3 years full + 2 years pro-rated warranty.

Lumatek E-Ballast, 400 Watt	Item # LIG5809	\$ 189.95
Lumatek E-Ballast, 600 Watt	Item # LIG5808	\$ 249.95
Lumatek E-Ballast, 1000 Watt	Item # LIG5807	\$ 399.95

XtraSun Convertible Ballast Reliable service at value prices. The unique patented aluminum housing with convection cooling runs so cool there is a 5 year warranty. Dual voltage. Aluminum fins, louvers and ports for extra cooling efficiency. Compatible with all Hydrofarm reflectors.

XtraSun 400 Watt switchable ballast	Item # LIG5801	\$ 179.95
XtraSun 1000 Watt switchable ballast	Item # LIG5800	\$ 209.95

Sunburst Convertible is a ballast and a reflector in one unit. Easy to switch from sodium to halide. Delivering more usable light energy for maximum plant performance and operating at cooler, quieter levels than any other compact system on the market. BULB NOT INCLUDED.

Sunburst Convertible, 400 Watt	Item # LIG3005	\$ 200.00
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H.I.D. Reflectors:

XtraSun 6" White Reflector Air Coolable is offering excellent performance at a cost effective price. Solidly built, compatible with all Hydrofarm or XtraSun ballasts. Bright and broad light delivery. Super air coolable. built in socket and cord set. Completely sealed removable lens system for easy bulb exchange. Air Coolable Reflector, 6"

XtraSun Air Coolable Reflector with Cordset	Item # LIG5851	\$ 104.95
XtraSun Wing Reflector- Aluminum	Item # LIG5860	\$ 80.95
XtraSun Lens	Item # LIG5850	\$ 40.95
ALL System Cord set	Item # LIG5852	\$ 18.50
	Item # LIG8001	\$ 29.95

DayStar Reflector is fully lined with 95% reflective, 99.85% pure German Specular MIRO Aluminum. Engineered interior shape allows bright uniform light distribution without diffusers. Unique and patented built in double wall cooling runs cooler than all others. High temperature premium powder-coated surface will last a lifetime of use. Pre-galvanized steel housing prevents corrosion.

DayStar Reflector	Item # LIG0034	\$ 129.95
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High Intensity Grow-Light Bulbs

400 Watt M.H.	Item # LIG2003	\$ 29.95
1000 Watt M.H.	Item # LIG2004	\$ 74.95

EYE Hortilux Super HPS Enhanced Spectrum grow lamps fine-tune your lighting system to provide optimum spectral energy levels that promote vigorous plant growth. The EYE Super HPS EN Grow Lamps provide 17% more total energy and 25% more energy in the violet, blue, and green spectrum than standard High Pressure Sodium lamps. These lamps are environmentally friendly and pass EPA, TCLP test criteria as non-hazardous waste.

400 Watt H.P.S. Hortilux	Item # LIG2014	\$ 94.95
430 Watt H.P.S. Hortilux	Item # LIG2014A	\$ 104.95
600 Watt H.P.S. Hortilux	Item # LIG2015	\$ 124.95
1000 Watt H.P.S. Hortilux	Item # LIG2016	\$ 129.95
400 Watt H.P.S.	Item # LIG2006	\$ 25.95
600 Watt H.P.S.	Item # LIG2017	\$ 89.95
1000 Watt H.P.S.	Item # LIG2007	\$ 66.95

Agrosun Gold Halide Spectrally enhanced halides are the best all-purpose growth and fruiting/flowering light you can use. They emit more of the red wavelengths than the common halides. They are the "Gold Standard" in plant growth lighting 400 Watt M.H. Agrosun Gold

Item # LIG5001 \$ 74.95

1000 Watt M.H. BT-37 Agrosun Gold

Item # LIG5010 \$ 119.95

High Intensity Fluorescent Lighting Systems

Compact Fluorescent Grow Light Fixture for 125 watts

Item # LIG0003A \$ 79.95

125 Watt "Cool/Daylight" Bulb for vegetative growth

Item # LIG0004 \$ 39.95

125 Watt "Warm" Bulb for fruiting/flowering

Item # LIG0004A \$ 39.95

Fluorowing Compact Fluorescent 125W Day with Dew Guard Fluorescent includes full daylight spectrum incandescent grow bulbs and compact Reflector. It has a cord set with 15' power cord and the hanging hardware is included.

Fluorowing Compact Fluorescent System with Dew Guard

Item # LIG0003B \$ 59.95

T5 Designer Series delivers performance, flexibility and high lumen output in any growing environment. These daisy-chainable systems allow you to choose multiple hanging configurations to meet your garden's design. They combine German specular aluminum with energy-efficient/high-output T5 bulbs and put out double the light energy of normal fluorescent systems. 5 year warranty

T5 4 Inch - 4 Bulb Fluorescent Fixture

Item # LIG0016 \$ 149.95

T5 4 Inch - 6 Bulb Fluorescent Fixture

Item # LIG0017 \$ 194.95

T5 4 Inch - 8 Bulb Fluorescent Fixture

Item # LIG0018 \$ 239.95

T5 48 Inch Single fixture with Bulb

Item # LIG0037 \$ 32.95

T5 High Performance 4 Foot System with wings

Item # LIG0038 \$ 48.95

Fluorescent Replacement Bulbs:

GroLux 48 Inch wide spectrum tube, 40 watt

Item # LIG4800 \$ 8.05

GroLux 48 Inch standard tube, 40 watt

Item # LIG4804 \$ 12.60

Agrosun Full Spectrum Fluorescent is for seedlings, cuttings, and plants like African violets, orchids, flowering bulbs, vegetables and smaller houseplants. They're great under counters, on shelf gardens, with plant carts or on a bench. Strongest full spectrum fluorescent - up to 20% brighter than other brands Agrosun 48 Inch Fluorescent tube, 40 watt

Item # LIG4900 \$ 16.95

Lighting Accessories, Meters & Light Movers

The Easy Glide Light Hanging Kit is ideal for all your light and reflector hanging needs. It features easy push button and glide action to adjust your reflectors or lights for optimum performance. The all-metal construction features a 6 1/2 foot cable that holds up to 44 pounds per Easy Glider. Each package features 1 pair of Easy Gliders.

Easy Glider Hanging System, 2pk

Item # EAS1000 \$ 19.95

SunRise Reflector Hanging System hangs reflectors with an easy one flip adjusting light toggle. Adjust hang height of the light with the growth rate of the plant. Makes control simple and efficient so you get better growth. Includes hanging hooks, two SunRise hangers and instructions Light Hanger (adjustable)

Item # LIG0021 \$ 15.95

Quantum Light Meter measures grow lights or sunlight with 3 scales for precise readings. Comes with a convenient hand-held remote sensor. Includes battery, informative booklet with lighting recommendations and carrying case

Item # LIG1000 \$ 399.95

Digital Light Meter measures grow lights or sunlight up to 5000 footcandles. 3 scales for precise readings with a convenient hand-held remote sensor. The meter includes lifetime silicon cell battery, informative booklet with lighting recommendations and carrying case.

Digital Light Meter

Item # LIG1100 \$ 44.95

Light Meter allows commercial growers an accurate means of adapting to their plants' needs as the light conditions change during a full growing season. This meter identifies the best light level of healthy plants and is easy to use in a hand-held design. The meter includes instructions and "Consumer's Guide to Light Gardening" brochure. The meter reads up to 5000 footcandles of sun, high intensity or fluorescent light. Exclusive "Zero" calibration feature - accurate to 2%. 2 year warranty.

HydroFarm Light Meter

Item # LIG1200 \$ 22.95

9RPM Motor Kit with 2- 3 ft Light Rails

Item # LIG0008KIT \$ 234.95

2mm thick MYLAR reflects maximum light back onto your indoor garden. 4 foot wide roll. Film makes the most efficient use of your lighting by reflecting light onto your plants. Reflective metalized film is the best reflective material made - mirror-like efficiency!

48" x 25'

Item # MYL1000 \$ 15.95

48" x 50'

Item # MYL1001 \$ 22.95

48" x 100'

Item # MYL1003 \$ 39.95

Fans, Air Duct Tubing

Active Air In-Line Duct Fans has quiet operation. Durable ceramic-coated metal housing. UL recognized components. High quality molded impeller. Thermally protected AC motor. Includes mounting brackets. Includes 8 Foot Pre-wired 120v cord

Active Air 4 inch Inline Fan, 120 volts, 60Hz, 0.95 Amps, 113 Watts, 2910 RPM, 165 CFM

Item # FAN0007 \$ 109.95

Active Air 6 inch Inline Fan, 120 volts, 60Hz, 0.97 Amps, 115 Watts, 2911 RPM, 400 CFM

Item # FAN0008 \$ 144.95

Active Air 8" Inline Fan, 120 volts, 60Hz, 1.72 Amps, 198 Watts, 2530 RPM, 720 CFM

Item # FAN0009 \$ 184.95

The RS family of inline exhaust fans provide the power and flexibility needed for residential and commercial applications. The RS series all utilize the extremely reliable external rotor motor and reverse curve blade, available with 6" pre-wired cord

Can Fan RS4 High Output, 4 inch, 178 CFM, 2600 RPM, 115 Volts, 78 Watts, 1.15 Amps, 5.5 Sones

Item # CANFANRS4HO \$ 186.66

Can Fan RS6 High Output, 6 inch, 440 CFM, 2940 RPM, 115 Volts, 138 Watts, 1.15 Amps, 12 Sones

Item # CANFANRS6HO \$ 226.66

Can Fan RS8 High Output, 8 inch, 737 CFM, 2950 RPM, 115 Volts, 283 Watts, 2.36 Amps, 10.5 Sones

Item # CANFANRS8HO \$ 284.34

MaxFan is an inline mixed flow fan capable of medium to high static pressure. Aerodynamically optimized airflow, quiet operation, and extremely high efficiency. Can Max Fan, 8 Inch

Item # CANFAN8MAX \$ 286.65

Perma Duct has superior performance in premium air ducting. The ducting is air-tight, easy to install, and resists tearing and punctures. The smooth interior also aids in noise reduction. Set of 2 stainless steel clamps included.

4 Inch Air Duct 25'

Item # LIG4009 \$ 20.95

6 Inch Air Duct 25'

Item # LIG4016 \$ 29.95

8 Inch Air Duct 25'

Item # LIG4017 \$ 38.95

Light System Cool Kit is the best way to get the most from your unit- exhausting heat and cooling your growing area in warm climates or, in cool winter conditions, to recirculate warm air for heating. The kit includes two exhaust fan flanges, one reflector vent cover, flange screw mounting packs and one 20" long self stick foam weather strip. The kit fits Powerhouse (all), Daystar (DAUN), Radiant - all vents and Xtrasun. Light System Cool Kit

Item # LIG4006 \$ 21.95

GROWING ACCESSORIES

Pots

Square Pot, 4.5 Inch

Item # SQU1001 \$ 0.35

Square Pot, 6 Inch

Item # SQU1002 \$ 1.20

Square Pot, 5.5 Inches

Item # SQU1000 \$ 0.86

Nursery Pot, 1 Gallon

Item # NUR1000 \$ 0.70

Nursery Pot, 2 Gallon

Item # NUR1001 \$ 1.16

Nursery Pot, 3 Gallon

Item # NUR1002 \$ 1.57

Nursery Pot, 4 Gallon

Item # NUR1003 \$ 2.30

Nursery Pot, 7 Gallon

Item # NUR1004 \$ 2.55

Rose Container Square, 6.5 Liter

Item # ROS1000 \$ 2.95

Giant Square Pot, 18 Liter

Item # GIA1000 \$ 4.50

Maxi Pot Black, 12 Liter

Item # MAX1000 \$ 3.50

Maxi Pot White, 12 Liter

Item # MAX2000 \$ 3.95

Net Pot, 2 Inch

Item # NET1000 \$ 0.20

Net Pots, 3.75 Inch

Item # NET1007 \$ 0.37

Net Pot, 6 Inch

Item # NET1005 \$ 1.50

Net Pot G8R, 3 Inch

Item # NET2000 \$ 0.25

Net Cup GH, 3 Inch

Item # NET3000 \$ 0.35

Saucers

These sturdy and re-useable Clear Vinyl saucers come in various sizes to match most pots. Used to collect excess water drainage and soil spillage. Helps keep plants moist longer, and maintains a cleaner garden.

Clear Saucer, 6 Inch

Item # SAU1000 \$ 0.30

Clear Saucer, 8 Inch

Item # SAU1001 \$ 0.58

Clear Saucer, 10 Inch

Item # SAU1002 \$ 0.86

Clear Saucer, 12 Inch

Item # SAU1003 \$ 1.44

Clear Saucer, 14 Inch

Item # SAU1004 \$ 1.86

Seed Trays

Fit the pads of rockwool starter cubes or use with inserts & any grow media.

Seed Tray without holes

Item # TRA1101 \$ 1.80

Seed Tray with holes in bottom

Item # TRA1100 \$ 1.80

72 Hole Insert (fits inside TRA1101)

Item # TRA0072 \$ 1.70

162 hole insert (fits inside TRA1101)

Item # TRA1102 \$ 0.95

Web bottom seedling tray (fits inside TRA1101)

Item # TRA1104 \$ 1.45

Humidity Domes fit on standard and rapid roofer starter trays and keep seedlings or clones moist until they develop root systems. We recommend using these and propagation mats for a fast healthy start with seeds or clones.

2.5 Inch Humidity Domes

Item # DOM3000 \$ 2.50

7 Inch Humidity Domes

Item # DOM6000 \$ 5.95

Digital Temperature Controller for Heat Mat with greater accuracy. The heat mat provides constant optimum temperatures for specific crops by controlling temperature in colder or warmer environments.

Digital Temperature Thermostat

Item # THE1000 \$ 39.95

Seedling Heat Mat has been re-engineered for better performance and greater durability! The stronger heating wire and thicker multi-layer construction offer uniform heating and the durability to withstand rugged greenhouse environments. The mat increases success of seedlings and cuttings by warming root area 10-20°F over ambient temperature to improve germination. Waterproof construction.

Seedling Heat Mat, 9" x 19.5"

Item # PRO5000 \$ 24.95

Seedling Heat Mat, 20" x 20"

Item # PRO1002 \$ 46.95

Timers

Digital Adjustable Recycling Timer- The ART series of adjustable recycling timers control any application requiring a device to be turned ON and OFF at precise intervals. The ART-DNe Digital Adjustable Recycling Timer, has a 5-20 Min. On and 12-480 Min. Off intervals. 5 Amp @120vac
Digital Adjustable Recycling Timer

Item # TIM5000 \$ 84.95

7 Day Digital Timer is used to automate your lighting adds convenience and encourages productive growth with consistent hours of light. Timers are also essential for all hydroponic system applications. Timer features 1 Minute On/Off, Up to 8 On/Offs per day, 15 Amp, Excellent for hydro systems and includes convenient clam shell packaging.

7 day digital 14 on/off cycles

Item # TIM2008 \$ 36.45

Heavy Duty 3 Prong Timer is used to automate your lighting adds convenience and encourages productive growth with consistent hours of light. Timers are also essential for all hydroponic system applications. Timer features 15 Minute On/Off, 15 Amp and includes convenient clam shell packaging.
Heavy Duty 3 Prong Timer

Item # TIM2005A \$ 13.95

15 Amp, 3750W, 240v Timer - Using a timer to automate your lighting adds convenience and encourages productive growth with consistent hours of light. Timers are also essential for all hydroponic system applications. 2 On/Offs per day
heavy Duty Timer

Item # TIM5001 \$ 22.95

Flood Trays

Active Aqua Flood Tray line is true, full-size dimensions and volume to provide maximum growing area. Made from durable, high-impact ABS plastic with UV resistance for longevity. The trays have superior grid pattern design and multi level drainage channels to promote fast and thorough drainage with multi drain positions for versatility in set-ups. They have stronger corners and thicker all around than others in their class and rounded corners for easy cleaning. The gradation inside accurately assesses optimal water level.

Black Flood Tray, 2' x 4'

Item # TRA3004 \$ 61.95

Black Flood Tray, 4' x 4'

Item # TRA3005 \$ 102.95

Black Flood Tray, 4' x 8'

Item # TRA3007 \$ 214.95

White Heavy Duty Tray by ABS is a ribbed stress engineered for complete drainage and maximum strength.

White Flood Tray, 3' x 3'

Item # TRA3002 \$ 104.95

Dutch Leach Tray Kit with 2 elbows, 6" x 20"

Item # LEA1000 \$ 16.00

Tray for Quantum Systems, 10" x 38" x 2-1/2"

Item # QUA1000 \$ 17.00

Dutch Bato Bucket with Elbows

Item # BAT0001 \$ 6.50

White/Black Polyfilm

Great to create or section off a grow area- white on the inside to reflect, black on the outside. Thick and tough!

White on black plastic film, 4 mil

10' x 100'

Item # FIL0006 \$ 80.00

10' x 50'

Item # FIL0004 \$ 41.00

10' x 10'

Item # FIL0003 \$ 8.50

10' x 25'

Item # FIL0007 \$ 21.25

Reservoirs

Botanicare's MULTI-RES Reservoir is designed for simplicity in maintenance and performance. Each reservoir comes with a specially designed lid containing an access port and a raised grip porthole cover. This standard option allows the gardener easy access to the reservoir without taking the entire lid off, ensuring a more functional routine when adding solutions, nutrients and water to your reservoir. Comes equipped with built-in bulkhead ports in front and on each side, enabling the grower to add a centrifugal pump outside the reservoir. This feature also gives the ability to join reservoirs together in-line or side by side to achieve increased water volumes.

Lid, 20 Gallon	Item # RES2000	\$ 39.95
Reservoir, 20 Gallon	Item # RES2001	\$ 58.95
Lid, 40 Gallon	Item # RES2002	\$ 54.95
Reservoir, 40 Gallon	Item # RES2003	\$ 85.95
Reservoir and Lid, 40 Gallon	Item # RES1999	\$ 139.95

Emitters for drip systems

Emitter Nipple, 5mm	Item # EMI1005	\$ 0.15
Non-pressure Compensated emitter, 0.5 GPH	Item # EMI1006	\$ 0.42
Non-pressure Compensated emitter, 1 GPH	Item # EMI1007	\$ 0.42
Non-pressure Compensated emitter, 2 GPH	Item # EMI1008	\$ 0.42
Barbed Stake Guide	Item # STA1004	\$ 0.15
Stabilizer Pegs	Item # STA1000	\$ 0.14
Plastic Poly Pipe Punch (for punching holes in ½ feed line for emitters elbows/tees/etc.)	Item # PUN2000	\$ 16.16
Miracle Punch	Item # PUN5000	\$ 19.95
Yellow Key Punch	Item # PUN6000	\$ 0.99
Goof Plugs, 10(to plug holes made in the wrong spot)	Item # GOO1000	\$ 1.20

Grommets:

¼ inch 6mm. Grommet	Item # GRO7000	\$ 0.54
½ inch 13mm. Grommet	Item # GRO7001	\$ 0.63
5/8 inch 16mm. Grommet	Item # GRO7002	\$ 0.63
¾ inch 19mm. Grommet	Item # GRO7003	\$ 0.90

Pumps

Little Giant NK-2 Submersible Pump is for commercial, industrial, and home use worldwide where liquid must be transferred or recirculated. The pump includes corrosion-resistant nylon housing, sump-type screened inlet and is thermally protected. 1/4" MNPT outlet accepts 1/2" I.D. tubing. 325 GPH @ 1 ft
NK-2 Submersible Pump
Item # PUM2000 \$ 125.00

Active Aqua 400 GPH has a powerful mag drive construction with an one year warranty. The pump is for indoor and outdoor use, Oil free and environmentally safe. Pump includes removable foam filters and impellers. Recommended for a 40 gallon reservoir. 25 Watts / 120 VAC
Aqua 400, ½ inch discharge 400 GPH
Item # PUM8000 \$ 26.95

This energy-efficient Maxi-Jet Pump has sealed casing and internal design ensure that, unlike most pumps, it won't overheat if it runs dry. It features a 3-suction cup mounting to stabilize a reservoir pump. Dual pre-filters and simple design makes the pump easy to care for.
Maxi-jet 250 ½ inch discharge 78 GPH
Item # PUM1501 \$ 18.95
Maxi-jet 1000 ½ inch discharge 288 GPH
Item # PUM1500 \$ 29.95

EcoPlus Pump Protector Filter Bag -submersible pump is inserted into this filter bag to prevent sediment from clogging it. Use of the filter bag will prolong the life and reduce cleaning/maintenance of the pump. Drawstring closure allows easy access to pump.
Pump Filter Bag
Item # PUM9000 \$ 11.50

Active Aqua Air Pump is super silent with multi-level muffler. It has special artificial rubber to keep a steady air flow output and pressure that can be adjusted freely (except single outlet). Pump has low power consumption.
Active Aqua Air Pump, Single Outlet, 3.2 lt per minute
Item # AIR3003 \$ 7.95
Active Aqua Air Pump, 2 Outlet, 7.8 lt per minute
Item # AIR3001 \$ 11.95
Active Aqua Air Pump, 4 Outlet, 15L per minute
Item # AIR3004 \$ 28.95

Active Aqua Air Stone, Compressed silicate air diffusers help increase oxygen levels in your nutrient reservoir. Simply connect the air stone to your air pump with tubing. The air pressure of the pump creates the aeration that increases oxygen saturation. Lays flat on the bottom of your reservoir to prevent plant root tangling. For a 10-gallon reservoir.

Active Aqua Air Stone, 4 inch	Item # AIR3005	\$ 1.29
Active Aqua Air Stone, 6 inch	Item # AIR3002	\$ 1.49
Active Aqua Air Stone, 8 inch	Item # AIR3006	\$ 1.95
Air Tube, 3/16inch Airline, per Foot	Item # PLPAANP-PP	\$ 0.30

Filters

Arkal Filters have discs that are flat, grooved plastic rings with a hole in the center. Rings are stacked together to form a cylindrical filter element. The grooves in the rings criss-cross, forming a network that traps both organic and inorganic contaminants, and allows filtered water to pass through. For easy cleaning remove the cover exposing the discs. They automatically separate allowing access to the accumulation of dirt particles. Wash off the discs with a stream of water, reassemble and the cleaning process is complete. A filter should be used with all Netafim watering systems.

¼ Inch Arkal filter	Item # STR1009	\$ 25.00
1 Inch Arkal Filter	Item # STR1010	\$ 79.00

Parts for building your own growing system

Overflow Fitting for Ebb and Flow tray	Item # EBB0001	\$ 6.44
Fill and drain fitting for Ebb and Flow tray	Item # EBB0002	\$ 4.56
Feed Tube (5/3 spaghetti tube)	Item # FEE0054	\$ 0.06
Blue Tubing, 1/2 Inch, per foot	Item # FEE0100	\$ 0.53
Poly Pipe, 1/2 Inch, Black, per foot	Item # FEE2000	\$ 0.16
Insert Coupling, 1/2 Inch	Item # FEE2003	\$ 0.59
Insert Tee, 1/2 Inch	Item # FEE2005	\$ 0.87
Insert Elbow, 1/2 Inch	Item # FEE2006	\$ 0.67
Line end, 16 mm	Item # FEE2002	\$ 0.21

Hydroponic Systems

Modern hydroponic technology allows growers to produce crops year-round and virtually anywhere, with bigger, faster yields and less work and water use than traditional soil farming.

Eurogrower from General Hydroponics features 8 drip-fed 2 gallon pots set on a custom 40-Gallon Panda reservoir. Dimensions (2'2" x 4'5", 1'2" high) Eurogrower complete system

Item # EUR1000 \$ 616.65

The AeroFlo2 twenty site system is an excellent choice for growing small crops such as lettuce, cucumbers, peppers, basil, and other herbs. Varieties of flowers and tomatoes, which do not grow taller than three feet, will also do well. The AF220 system includes everything you need to get started. AeroFlo2, 20 site (1'6" by 7')

Item # AER1000 \$ 421.67

The AeroFlo2 30 is a perfect system for those who want a smaller high performance system. With a 20-gallon reservoir and thirty plant sites, the 3 grow chambers can be kept side-by-side or fanned out in a radial pattern to maximize growth on lower branches. It is excellent for growing lettuces, basil and other smaller plants up to three or four feet in height. AeroFlo, 30 site (2'6" by 7')

Item # AER1001 \$ 559.98

AeroFlo 2 with 36 sites is designed specifically for indoor cultivation under a grow light, the AF236 site system offers 36 plant sites in a compact footprint. It also features the generous 40-gallon Panda reservoir. Recommended for 600 or 1000 watt light.

AeroFlo 2, 36 sites (4'2" by 4'7")

Item # AER1002 \$ 937.74

The largest **AeroFlo2** with 60 plant sites features sixty plant sites. Growers who wish to expand this system can enjoy a total of one hundred and twenty plant sites with the addition of our AeroFlo2 60 Extension Unit. Users can choose either to configure the grow chambers on the same side or to stagger them in order to cover a larger area or to grow larger plants. The AF260 and Extension Unit feature the generous 40 gallon Panda reservoir

AeroFlo 2, 60 site (6' by 6')

Item # AER1004 \$ 1,173.33

Econo Grow systems offer a simple, versatile, affordable ebb and flow package. This includes one or two 3' x 3' trays (.125" thick), galvanized steel table frame, and injection molded plastic corners, submersible pump, American Hydroponics Fitting Kit and 30 gallon black ABS reservoir. Purchase pots, media, and nutrients separately.

Econo 1 table system (3' x 3' x 19")

Item # ECO1000 \$ 399.95

Econo 2 table system (3' x 6' x 19")

Item # ECO1001 \$ 599.95

Home & Hobby Nutrient Film Technique (NFT) Systems by CropKing Inc. are re-circulating systems designed for growing fresh greens and flowers like the pros at home year-round.

The Green 2001 Leaf Crop Kit includes 6 NFT channels with 36 growing spaces for lettuce, herbs and small flowers. End caps and removable top caps for easy cleaning. Nutrient feed line plumbing and drain lines included with submersible pump.

Green 2001 NFT Kit

Item # GRE2001 \$ 299.95

The Green 1001 Leaf and Vine Crop Kit includes 4 NFT channels with 24 leaf crop growing spaces and 1 NFT Channel with 4 larger growing spaces for vine crops. Includes 4 – 6” net pots, 4 liters of leca stones and 4’ x 4’ trellis netting. End caps and removable top caps for easy cleaning. Nutrient feed line plumbing and drain lines included with submersible pump.

Green 1001 Leaf & Vine Crop Kit

Item # GRE1001 \$ 329.99

The Waterfarm from General Hydroponics is a hydroponic drip system built into an attractive 2 gallon square planter driven by an included air pump. The air pump super oxygenates the roots for fast growth and healthy plants. The WaterFarm is built out of high-impact plastic to assure a long service life. The WaterFarm has a unique square design allowing growers to closely pack WaterFarm modules in order to create large, high-density installations. The WaterFarm will grow small, medium, and large plants. With its large water capacity and low water requirements, the WaterFarm is simple and efficient. As it offers all the features of larger systems at a lower cost without sacrificing quality or performance, the WaterFarm is one of our very best buys.

Waterfarm standalone Unit (10”x 10” x 15”)

Item # WAT2000 \$ 65.63

Farm Kit is used to make your own waterfarm. It includes a drip-ring, pumping column, column support tube, 1/2” grommet, and drain level tube.

Farm Kit

Item # WAT2401 \$ 14.30

WaterFarm 8-pack is eight WaterFarm module units connected to one General Hydroponics Controller: an integrated 13 gallon reservoir and an 8 gallon controller unit. The Controller will keep each unit topped off with the correct level of nutrient for low maintenance. The kit is powered by GH’s Dual Diaphragm Air Pump, and includes all the necessary hardware, supplies and General Hydroponics Flora Series nutrients. The grower can arrange the WaterFarm units in a design that is suitable for any environment. Pack them tight or space them out for your growing situation. The WaterFarm 8-Pack is the system for big growers.

Waterfarm Controller Kit, 8 pack

Item # WAT2300 \$514.60

Water Farm Control Kit

Item # WAT2400 \$ 79.75

Power Grower is very similar to the Waterfarm, except it is housed in a larger, more decorative housing made to resemble an Italian clay pot. This unit also can stand alone or many can be run by a Waterfarm controller. Includes nutrient and grow rocks.

Powergrower (15.5” diameter, 16” high)

Item # POW1000 \$ 80.12

Emily’s Garden by HydroFarm is a great starter kit for the beginner. 6 square pots sit in a pump aerated nutrient solution. Complete with leca stone growing media, rockwool seed starter cubes, pH test kit, nutrient, and more. This is a passive system and it is not recommended for plants with high water and nutrient needs like tomatoes.

Emily’s Garden (16”x 24”, 6” high)

Item # HYD3000 \$ 99.95

Megagarden by HydroFarm is a true ebb & flow system in a compact package. The garden pumps nutrient solution up from a reservoir to a controlled water level tray. All plants are watered uniformly on a timed cycle. Complete with pump and timer, seed starter cubes, pH test kit, leca stone growing medium, 15 planters, and instructions.

Megagarden (22” x 22”, 10” high)

Item # HYD3010 \$ 179.95

Growing Media

Light Warrior from Foxfarm is formulated for use in containers and hydroponic applications. Specially designed to enhance root development and encourage greater nutrient uptake by plants. Light Warrior is an excellent medium for starting seeds, transplanting, and growing plants both indoors and outdoors.

Light Warrior, 1 Cubic Foot

Item # FOX1001 \$ 21.95

Ocean Forest is a powerhouse blend of premium earthworm castings, bat guano, and Pacific Northwest sea-going fish and crab meal. Composted forest humus, sandy loam, and sphagnum peat moss give Ocean Forest its light, aerated texture. Start with Ocean Forest and watch your plants come alive!

Ocean Forest, 1.5 Cubic Foot

Item # FOX1000 \$ 17.95

Planting Mix is ready to use right out of the bag. The mix is exceptional for raised bed planting and amending existing garden beds. It contains premium select earthworm castings, bat guano and micros.

Planting Mix, 1 Cubic Foot

Item # FOX1002 \$ 20.95

Happy Frog Potting Mix is a ready to use, nutrient rich, and fine screened potting soil. It has a light texture and is well aerated. Ideal for containerized plantings. pH adjusted for optimum results. Contains beneficial microbes

Happy Frog, 2 Cubic Foot

Item # FOX1003 \$ 22.95

Earthworm Castings from Wiggle Worm Soil Builder PURE earthworm castings are surely Mother Nature's best kept growing secret. You need only use a small amount in or around your houseplants, vegetables and flowers. The miracles of the earthworm are easily seen in the beautiful growth and yields of your plants. The nutrients in our earthworm castings are plentiful. Most importantly, these nutrients are perfectly balanced in two forms. One form can be immediately absorbed by the plant as if it were directly injected and the other is able to provide nutrition which slowly feeds the plant for long periods of time. This soil builder is very cost effective because small amounts provide incredible results and last a long time.

Earthworm Castings, 15 Pound

Item # WOR1001 \$ 16.95

Earthworm Castings, 30 Pound

Item # WOR1000 \$ 21.95

Sunshine Mix is used for commercial greenhouses. It is recommended where high air capacity and fast drainage are needed: during winter months, with water and salt sensitive crops, or where frequent leaching is required.

Sunshine Mix 8 Potting Soil, 2.8 Cubic Foot

Item # SUN5001 \$ 15.00

Sunshine Mix 8 Potting Soil, 3.8 Cubic Foot, Bale

Item # SUN5002 \$ 26.00

Roots Organics Natural & Organic Potting Soil is a unique formulation of the highest quality coco fiber/Coir on the planet which is repeatedly washed for an incredibly low EC, composted for over twenty-four months, and specially blended with extra long fibers, perlite, and pumice. Lightly amended with a starter charge of organic fertilizers like bat guano, worm castings and kelp, this mix is designed for heavy feeding and high performance in container or hydroponic applications. Coco fiber is a great medium and an excellent replacement for peat moss; it is an environmentally friendly by product, pH stable within the ideal range for nutrient uptake, and because the Lignin content is slow to decompose. Roots Organics Coco soilless mix was created for the gardener who demands higher performance from their plants.

Roots Organics Potting Soil, 1.5 Cubic Foot

Item # ROO1101 \$ 21.95

B'Cuzz Coco substrate is light and stable and is one of the best mediums for providing oxygen to the roots of the growing plants. Atami coco substrates are internationally certified by RHP, a foundation whose aim is to optimize the quality of peat and coconut fiber products, raw growing materials, and soil products (improvers).

B'Cuzz Coco, 50 Liters

Item # COC1000 \$ 23.95

Grodan Rockwool is made from molten rock spun into cotton candy-like fibers and then compressed into cubes, blocks, or slabs. Where other rockwool brand manufacturers cut all sizes from one batch of wool, Grodan is unique by making different types of fibers. The purpose is to support the requirement of the plant in the different plant stages. Grodan has a tremendous capacity for absorbing nutrient solution while retaining plenty of oxygen for rapid plant growth. Grodan comes in graduated sizes. Seedlings started in cubes are easily transferred to blocks and then onto slabs, if desired. Seedlings or cuttings started in the Grodan cubes can also be transplanted into more traditional planters and growing mediums.

Grodan A/O plugs are designed for seed and cutting propagation prior to "blocking on" into larger growing blocks. The V-shape design of the plug discourages tangling of roots between the plugs in the A'OK plug sheet. A'OK plugs come in a sheet that fits a standard 10x20 flat. (fits in seed tray TRA1101)

AO36/40, 1.5 Inch starter cubes, Pad of 98

Item # ROC1008 \$ 9.83

Grodan A/O renewed plugs result in a maximum number of useable and homogeneous seedlings. Both form and strength have been greatly improved for good machine and manual processing. Whether sowing or transplanting, the new plug is the solution to achieving a homogeneous sowing result.

The cube has ideal air/water balance, consistent shape of the seed hole, identically shaped plugs and optimum robustness and flexibility. (fits in seed tray TRA1101)

AO25/40, 1 Inch starter cubes, Pad of 200

Item # ROC1004 \$ 9.50

MM40/40, 1.5 Inch (actually a little bigger) wrapped mini blocks, Strips of 15

Item # ROC4041 \$ 3.14

MM50/40, 2 Inch wrapped mini blocks, Strip of 12
Item # ROC1011 \$ 4.91

Gro-Blocks have holes that fit 1-1.5 inch starter cubes for super easy transplanting:
Hugo is the largest of the growing blocks. It provides enough growing volume to support a larger plant, so it does not need to be placed on top of a slab.
6" x 6" x 6" "HUGO" Cube

Item # ROC2501 \$ 3.11

4" x 4" x 4"
Item # ROC1030 \$ 1.17

DM6-G, 4" x 4" x 2.6"
Item # ROC1019 \$ 0.68

DM4-G, 3" x 3" x 2.6"
Item # ROC1002 \$ 0.55

3" x 3" x 2.6" No Hole
Item # ROC1022 \$ 0.76

Macro Plugs are rockwool plant starting plugs that feature a slit for easy insertion of rooted cuttings. Ideal for growers using aeroponic EZ clone machines. They fit perfectly into the holes of any standard rockwool blocks, inserted into pebbles, or any other type of growing mediums.
Macro Plugs, Bag of 32 plugs
Item # ROC2500 \$ 6.95

GrowCubes are small 1/4" cubes of stonewool (Rockwool). There are several advantages; when the cubes are wetted, they stack on top of each other leaving air space in between the cubes; each cube has four surfaces from which excess water can drain. This way, even if you water a lot, the Grow-Cubes will not get water logged; less algae growth on the top than with the smooth surface Gro-Blocks™; driest of our products with properties of a 50/50 mix (50% water/50% air) and very easy to mix with any other potting mix. The Grow-Cubes will help spread the water in the container as well as keeping a water buffer in between the watering. The cubes are lightweight; approx. 1/10 of the weight of a bag of potting soil.
Grow Cubes, Medium Bag

Item # ROC1014 \$ 19.95

Grow Cubes, Large Bag
Item # ROC1003 \$ 36.95

Grodan Slabs -The final stage of planting with growing blocks are the Grodan slabs. These slabs come in clearly marked UV resistant poly sleeves for ease of use. The poly sleeves have several functions; comfort in handling; preventing algae growth; preventing roots and diseases from moving easily from slab to slab; minimizing evaporation; enabling full saturation of the slabs before use; controlling/directing the water-run off from the slabs. Slabs are recommended for larger, long term crops with extensive roots like peppers, tomatoes, or cucumbers. Typically, seedlings in blocks are placed onto slabs. Grodan Expert is the slab that drains the fastest because of its vertical fibers. Gro-Slabs provide expanded growing space for roots beyond cubes, which can be set into holes cut in the UV resistant polyethylene covering.
Expert 15/17, 3" x 6" x 36"

Item # ROC0998 \$ 5.81

Expert 20/75, 3" x 8" x 36" (recommended for water hungry plants like cucumbers)
Item # ROC0996 \$ 7.75

3' x 6" x 40"
Item # ROC0999 \$ 6.46

3' x 8" x 40"
Item # ROC0997 \$ 8.61

Leca Stone (Lightweight Expanded Clay Aggregate) Leca stone is completely inert, pH neutral and reusable, plus it has great oxygen holding capability and drainage.
Leca Stone, 1 Liter
Item # LEC1000 \$ 5.95
Leca Stone, 5 Liters
Item # LEC1001 \$ 7.95
Leca Stone, 10 Liters
Item # LEC1002 \$ 10.95
Leca Stone, 28 Liters
Item # LEC1003 \$ 16.95
Leca Stone, 50 Liters
Item # LEC1004 \$ 24.95

Perlite is a great inert medium to add to soil to increase oxygenation of the root zone and to prevent soil compaction, or to use alone for seed starting or in hydroponic applications. We carry coarse horticultural grade, which is the best for all gardening needs.
Perlite, 20 Quart
Item # PER2056 \$ 7.95
Perlite, 4 Cubic foot Bag (113 Liter)
Item # PER4000 \$ 10.50
Filled Perlite Grow Bag (fits in 4 foot tray)
Item # PER3000 \$ 7.35

Coconut Coir Bricks expand to 5x their size when soaked in water, best source of loose fiber for mixing or planting. Coconut Coir Fiber Brick is for indoor and outdoor use. They are an ideal option for use in troughs, hanging baskets, or other applications where large expansion is not required. Bricks are 100% Organic. They promote strong root growth, plant vigor and absorb water readily and re-wets easily, thus reducing the need for wetting agents. Bricks reduce watering frequency without plant stress, thereby reducing labor costs and minimizing plant loss while maintaining excellent drainage and aeration. They increase shelf life of plants. The slow breakdown of material means product will not shrink during your growing cycle.

Coconut Coir Fiber Brick, 21 Ounces

Item # COC0004 \$ 2.00

Rapid Rooter Plugs are fortified with General Hydroponic micronutrients for abundant root growth. The optimal air-to-water ratio within the plug matrix results in explosive early root growth. Use Rapid Rooter for robust early rooting that supports explosive plant growth.

Rapid Rooter Plugs

Item # RAP1002 \$ 0.53

Rapid Rooter with Tray is a special matrix of composted organic material bound together by plant-derived polymers. Created through a scientifically controlled process that produces large populations of beneficial microbes which colonize young roots and help young plants resist disease while maximizing nutrient uptake. Fortified with General Hydroponic micronutrients, optimal air-to-water ratio.

Rapid Rooter Tray, 50 cell tray & plugs

Item # RAP1001 \$ 23.70

Jump Start Pellets are fast-expanding, earth-friendly biodegradable pellets. They include superior expanding peat pellets made from 100% Light Finish sphagnum, and are the perfect choice for dedicated growers and hobbyists alike. They are ideal for germination and seeding of vegetables, flowers, and herbs. They are also great for the rooting of cuttings of crops which grow in a normal pH range like tomatoes, cucumbers and other garden vegetables as well as chrysanthemums, geraniums, poinsettia, etc. When expanded with water, they provide excellent aeration of plant roots and have excellent water retention. To expand the pellets simply add water. Using lukewarm water will speed up the expansion time.

Jump Start Pellets

Item # JUMPSTART001 1-10 \$ 0.10
 101-1500 \$ 0.80
 Case 1500 \$ 99.00

MISCELLANEOUS

Bamboo Stakes can be used indoor or outdoor, strong and durable, lightweight stakes with smooth, attractive finish, each stake is 36" long

Bamboo Stakes, 25

Item # BAM1000 \$ 2.25

Vine Clips are great to support your plants throughout their growth. Use them to tie your plants to stakes, trellis or support wire. They are commonly used to help support tomatoes, cucumbers, peppers and any tall plant.

Vine Clips, 100

Item # VIN8003 \$ 10.00

Trellis 4' Wide plastic roll, per Foot

Item # TRE1000 \$ 1.12

Precision Pruners are for right or left handed use and the ergonomic design reduces stress to the hand. The pruners are surgical stainless steel holds a sharper edge longer and the high quality spring enhances speed and performance.

Straight Precision Pruners

Item # MIC3000 \$ 10.95

Curved Precision Pruners

Item # MIC3001 \$ 10.95

Mini Measure Shot Glass is ideal for home, lawn, garden or kitchen. It is dishwasher safe, permanent markings, high visibility, with a heavy base to reduce tipping. Measures teaspoons, tablespoons, ounces, and milliliters

Mini Measuring 1 Ounce shot glass

Item # MEA1101 \$ 3.59

Measuring Pint is 16 ounces of measuring fun. The perfect option for ensuring that you receive your nourishment of choice in measured feedings. Measuring increment: teaspoons.

Measuring Pint

Item # MEA1102 \$ 5.95

Tarp Zip-Up Zipper System is a peel and stick adhesive zipper system that instantly create doorways in tarps, poly or shrink wrap. The zip-up creates easy access in & out and is ideal for greenhouses. Great for containing dust, moisture & pests. Stick on tarp, cut, and you've got door!

Tarp Zip-up, 7 Foot

Item # TAR1000 \$ 11.95

Poly Twine is used for garden, home, office and packaging. The twine is made out of polypropylene and won't rot. It is long lasting, strong and easy to work with.
Polytwine, 1000 Foot

Item # VIN4001 \$ 9.25

Silver Edition Huts easily surpasses its rivals through noticeable, intelligent, differences – better flaps around the door and the windows using Velcro to insure it is light-tight, steel poles and corners for real strength, higher quality outer material that won't rip, more sewing and material in crucial areas to help protect stress points, and more air vents to do as you wish. Completely control your plants atmosphere and light indoors. Each hut has adjustable steel ceiling poles and reinforced corners.

Silver Edition Huts, 2' x 4'

\$259.00 Special Order

Silver Edition Huts, 4' x 4'

\$399.99 Special Order

Silver Edition Huts, 4' x 8'

\$699.99 Special Order

CO2 Enrichment

Increasing the CO2 in the growing area will let the plant use the excess water and energy that is stored in the leaves. The result is a substantial increase (30-50%) in the growth rate of any plant. Enrichment should commence at sunrise or when photoperiod begins and refrain during darkness hours.

CO2 Test Kit for taking a simple manual air sample for CO2, 2 test tubes 1 syringe, instructions

Item # COTEST \$ 14.95

Replacement tube for testing

Item # COTUBE \$ 5.05

EcoGear CO2 Regulator combines a percision regualtor/flow gauge and an industrail solenoid valve. The flow gauge can be set from 0.5 to 15 cubic fett per hour.

CO2 Regulator

Item # CO22000 \$ 139.95

NUTRIENTS

Liquid Nutrients

Big Bloom is a 100% Natural and Organic liquid fertilizer. Biologically alive formula is an instant plant food. Dramatically enhances flavor and fragrance! Promotes strong, extra large multiple blooms and will not burn plants. Big Bloom is a great medicine for sick plants or transplant fertilizer. For hydroponics, soil, foliar, and drip irrigation systems. Big Bloom can be used in combination with Tiger Bloom Fertilizer. The best of the best!

Big Bloom, 1 Quart

Item # FOX2000 \$ 16.30

Big Bloom, 1 Gallon

Item # FOX2001 \$ 44.95

Big Bloom, 2.5 Gallon

Item # FOX2002 \$ 95.95

Grow Big is an organic based concentrate. Grow big is a comprehensive blend of major, minor, and micro nutrients. Formulated to promote spectacular growth, instant green-up, larger flowers, and color intensity of blossoms. It is great for roses, tomatoes, veggies, flowers, fruits, herbs, and lawns. Extra strong, a little goes a long way!

Grow Big, 1 Quart

Item # FOX3000 \$ 18.95

Grow Big, 1 Gallon

Item # FOX3001 \$ 57.95

Grow Big, 2.5 Gallon

Item # FOX3002 \$ 134.95

Tiger Bloom is especially designed for both soil and hydroponic applications. Tiger bloom is an ultra-potent, fast acting, high phosphorous fertilizer which stimulates growth and vigor. Tiger Bloom promotes abundant fruit, flower, and multiple bud set. Pushes blooms and is fast acting with immediate results. Tiger Bloom contains the right amount of nitrogen to ensure sturdy lush greenery and growth, as well as producing intense color and blossoming, and dark, dense cell tissue. It is perfect to use on any plant at the time of flowering.

Tiger Bloom, 1 Quart

Item # FOX5000 \$ 18.95

Tiger Bloom, 1 Gallon

Item # FOX5001 \$ 57.95

Tiger Bloom, 2.5 Gallon

Item # FOX5002 \$ 134.95

Flora Series: The original Building-Block Nutrient System, often imitated but never duplicated. Flora Series contains complete Primary, Secondary and Micro Nutrients for enhanced yields and better crop quality. Users can adjust mixtures to suit specific plant needs. Flora Series enhances flavor, nutrition, aroma, potency, and essential oils in both hydroponic and soil cultivated plants. Flora Series contains highly purified concentrates for maximum solubility and pH balanced for ease of use. Known throughout the world as the industry standard, NASA and Antarctic Research Scientists choose Flora Series because of its superior formulation and reliability.

FloraGro Stimulates structural and vegetative growth. It builds strong roots and provides nitrogen, phosphorous, potassium, and secondary minerals

FloraGro, 1 Quart	Item # FLO2000	\$ 12.50
FloraGro, 1 Gallon	Item # FLO2001	\$ 31.88
FloraGro, 2.5 Gallon	Item # FLO2002	\$ 69.40
FloraGro, 6 Gallon	Item # FLO2005	\$ 140.00

FloraBloom: Stimulates flower and fruit development. It enhances flavor, aroma, and essential oils and provides high Phosphorous, Potassium, Magnesium, and Sulfur.

FloraBloom, 1 Quart	Item # FLO3000	\$ 12.50
FloraBloom, 1 Gallon	Item # FLO3001	\$ 31.88
FloraBloom, 2.5 Gallon	Item # FLO3002	\$ 69.40
FloraBloom, 6 Gallon	Item # FLO3005	\$ 140.00

FloraMicro: The foundation of the "Building-Block" System. It provides Nitrogen, Potassium, Calcium, and trace elements.

FloraMicro, 1 Quart	Item # FLO1000	\$ 15.94
FloraMicro, 1 Gallon	Item # FLO1001	\$ 36.58
FloraMicro, 2.5 Gallon	Item # FLO1004	\$ 84.30
FloraMicro, 6 Gallon	Item # FLO1005	\$ 170.00

FloraNova Series represents a breakthrough in fertilizer technology, as it gives users both the strength of a dry concentrate and the ease of a liquid. This unique formulation of highly purified minerals and natural additives combines the benefits of hydroponic as well as organic gardening methods. FloraNova one part formulation, combines all the elements required for hydroponic cultivation, plus it is extremely concentrated. A very small amount of FloraNova mixed with fresh water will provide your plants with proper nutrition. FloraNova works superbly in hydroponic environments, as well as with both soil-less mixtures and soil grown plants.

FloraNova Grow: Works as a specialized nutrient for rapidly growing plants during the structural and foliar growth phase. It is extremely concentrated (1-3 tsp./ gal.), great for hydro or soil, includes all major and micronutrients, and it contains humic acids for better nutrient absorption and organic additives for improved taste and aroma.

Flora Nova Grow, 1 Quart	Item # FLO4012	\$ 27.50
Flora Nova Grow, 1 Gallon	Item # FLO4013	\$ 87.50

FloraNova Bloom : Promotes explosive flowering and fruiting. It has phenomenal aroma, taste, potency, and colors while delivering extraordinary yields.

Flora Nova Bloom, 1 Quart	Item # FLO4015	\$ 27.50
Flora Nova Bloom, 1 Gallon	Item # FLO4016	\$ 87.50

Flora Nectar Fruit-n-Fusion Sweetener contains all natural raw cane sugar, molasses, malt syrup, select plant based esters, L-amino acids, organic acids, polyflavonoids, vitamins and essential minerals. This unique blend of ingredients helps your plants regulate enzymes that trigger specific reactions involved in maintaining optimal metabolism. This allows your plants to achieve a balance between respiration and photosynthesis in high intensity growing environments where the rate of respiration can sometimes exceed the rate of photosynthesis. As a result, FloraNectar Fruit-n-Fusion ensures optimal metabolic rates during the flowering and fruiting phase when nitrogen levels have been reduced. FloraNectar Fruit-n-Fusion also promotes a sturdier plant structure during the vegetative phase when high levels of nitrogen are present. FloraNectar Fruit-n-Fusion fulfills the additional energy requirements of your plants throughout all phases of growth and during stressful times of transition.

Flora Nectar, 1 Quart	Item # FLO4101	\$ 21.00
Flora Nectar, 1 Gallon	Item # FLO4102	\$ 58.80

Humboldt Nutrients Master A&B is a premium two-part fertilizer program designed for all plants made with non-toxic, high quality ingredients. Humboldt Nutrients has formulated this vigorous 2-part nutrient solution for use on any plant, in any growing medium and contains no EDTA's. Master A&B is formulated to provide your favorite plants with higher absorption of nutrients, vitamins, minerals and trace elements. The Master A&B series stands apart from your standard base nutrient line by making macro and micro nutrients more available to your plant. Used in conjunction with Humboldt Nutrients powerful additives we assure that your yields and quality will increase so dramatically, that your friends will call you simply, "The Master."

Master A, 1 Quart	Item # HUM1028	\$ 23.40
Master A, 1 Gallon	Item # HUM1029	\$ 70.20
Master B, 1 Quart	Item # HUM1030	\$ 23.40
Master B, 1 Gallon	Item # HUM1031	\$ 70.20

Humboldt Nutrients Bloom & Grow formula has developed this vigorous three-part fertilizer without the use synthetic chelates. Our premium three-part nutrient system leaves nothing to chance and produces excellent high yield crops. When used in conjunction with our high powered additives, Humboldt Nutrients three-part fertilizer program will produce fantastic yields and premium quality crops. Through extensive research and development, the Humboldt Nutrients team of chemists has formulated an easy to use fertilizing program for use on a variety of vegetables, flowers or herbs.

Bloom is specifically formulated to improve plant photosynthesis, metabolism, genetics and eventually crop quality and yield. Plant Growth, flowering and fruiting depend on the correct balance of Phosphorus and Potassium. Bloom is derived from: Magnesium Phosphate, Phosphoric Acid, Potassium Phosphate, and Magnesium Carbonate. NPK 0-6-5
Bloom, 32 Ounces

Bloom, 1 Gallon	Item # HUM1002	\$ 11.70
	Item # HUM1006	\$ 29.84

Grow contains elements which form new compounds with weak electrical bonds. This increase in availability of electrons promotes efficient absorption and uptake of nutrients. This diverse formula helps assure that none of the elements necessary for plant growth will fall out of solution and lock out. Grow is derived from Ammonium Nitrate, Magnesium Phosphate, Nitrate, Potassium Nitrate, Magnesium Phosphate, Potassium Phosphate, Potassium Carbonate, Potassium Sulfate, Magnesium Carbonate and Magnesium Sulfate. Grow 2-1-6
Grow, 32 Ounces

Grow, 1 Gallon	Item # HUM1003	\$ 11.70
	Item # HUM1007	\$ 29.84

Micro has all the micro nutrients necessary to create vigorous, healthy plants, strong aromas and large yields. Micro is derived from Calcium Nitrate, Potassium Nitrate, Calcium Carbonate, Cobalt Nitrate, Potassium Carbonate, Iron EDTA, Iron DPTA, Iron EDDHA, Manganese EDTA, Molybdenum EDTA, Cobalt EDTA, Zinc EDTA. NPK 5-0-1

Micro, 32 Ounces	Item # HUM1001	\$ 15.80
Micro, 1 Gallon	Item # HUM1005	\$ 36.28

Bloom Natural (0-10-0) is an ultra-concentrated natural bloom formula designed to give your plants the large phosphorus and calcium boost needed during the flowering period. Bloom Natural induces a superb flowering response in all plants, encouraging multiple flowering sites. This produces a massive crop, a high quality yield and flavorful fruits. Derived naturally from Soft Rock Phosphate and kelp, this is the high quality premium nutrient line that professional gardeners trust. The use of Bloom Natural promotes full flavors, aromas and beautiful bouquets obtained through the use of rich and pure natural ingredients provided by Humboldt Nutrients.

Bloom Natural, 1 Quart	Item # HUM1008	\$ 26.32
Bloom Natural, 1 Gallon	Item # HUM1009	\$ 93.60

Grow Natural (3-1-3) is an ultra-concentrated natural grow formula designed to give your plants the nutrient-rich foundations needed during the vegetation and flowering period. Grow Natural is made using fresh ingredients, none of our products are imported from overseas making our prices affordable to the consumer. Grow natural is a blend ocean fish, seaweed extract, Quillaja saponaria, bentonite, Yucca extract, cane molasses and naturally derived. The base ingredients in Grow Natural will promote and facilitate the growth of beneficial bacteria and fungi in your growing media. This blend provides essential nutrients to all plants, along with crucial elements which feed the inoculated and existing beneficial bacteria in the soil.

Grow Natural, 1 Quart	Item # HUM1010	\$ 26.32
Grow Natural, 1 Gallon	Item # HUM1011	\$ 93.60

Honey Hydro Carbs is an excellent source of carbohydrates for all plants. It promotes and facilitates the growth of beneficial bacteria and fungi in your soil or soil-less media, and dramatically enhances the quality of any plant's fruit. Hydro Carbs are the fuel of the microscopic world, supplying the energy needed to drive biochemical systems. Honey Hydro Carbs break down into the smallest possible sugars when dissolved in water, creating an easily accessible food for beneficial fungus, bacteria, and plants. It will increase your plants brix levels (a measure of the sugar content of any given fruit or flower). Carbohydrates are beneficial in helping plants under stress maintain productive and vibrant. Fruiting is primarily driven by carbohydrates. During fruiting plants channel carbohydrates to their fruiting bodies which are in turn built with sugars. This energy is converted and read through the brix levels. A sweet, good taste and aroma are to be expected when you increase the brix level in a crop. Honey Hydro Carbs will fortify your plants with energy, your fruit with flavor and will allow the plants to correctly regulate vital internal and external processes as they continue to grow. When used in addition to our nutrient feeding schedules Humboldt Honey Hydro Carbs will increase the sugar content and quality of your vegetables, flowers and herbs.

Honey Hydro Carbs, 32 Ounces

Item # HUM1004 \$ 12.88

BioThrive Grow offers flowering and fruiting plants essential nutrients for superior blooms and bountiful harvest. It provides plants with essential nutrients for roots, stems, and foliage. Conceived from plant and mineral extracts, the pure and natural vegan formulation encourages beneficial microbial activity in the root zone. Grow is ideal for all types of plants and can be used with garden soils as well as potting mixes. This product works best with soils that contain calcium.

Bio Thrive Grow, 1 Quart

Item # BIO1001 \$ 16.98

BioThrive Bloom offers flowering and fruiting plants essential nutrients for superior blooms and bountiful harvest. The pure and natural vegan formulation, conceived from plant and mineral extracts, encourages beneficial microbial activity in the root zone. Bloom benefits all kinds of plants during flowering and fruiting phases of growth, and can be used with a wide variety of garden soils and potting mixes. It is ideal for both potting soil and soilless growing.

Bio Thrive Bloom, 1 Quart

Item # BIO1002 \$ 16.95

The B.C Hydroponic Nutrients are a power-packed trio for nurturing generous vegetative crops and extraordinary floral growth. B.C Boost, B.C Bloom and B.C Grow are complete, professionally formulated, highly concentrated fertilizing agents. B.C Grow and B.C Bloom contain a full complement of micronutrients, which are bolstered by the added calcium and iron in B.C Boost. B.C Hydroponic Nutrients bring a balance of nutrients in proper form, assuring matchless growth and maximum yield. As well, minimal pH drift is assured, eliminating the need for constant adjustments. Growers can also greatly reduce cleaning time and expenditure, as Technaflora's B.C Hydroponic Nutrients allow only minimal salt build-up. This remarkable three-part fertilizer is easy to mix and control, with simple to follow mixing instructions printed on every label.

B.C. Grow, 1 Quart

Item # BCG1000 \$ 20.34

B.C. Bloom, 1 Quart

Item # BCG1001 \$ 20.34

B.C. Boost, 1 Quart

Item # BCG1002 \$ 23.95

SugarDaddy is a revolutionary plant nutrition product that supplies essential carbohydrates and all twenty amino acids in a rapidly available form which greatly enhances the fragrance and essential oil production of flowers and fruits during all stages, and ensures continued rapid growth rates throughout the flowering stage as nitrogen levels in your fertilizer formulas are lowered. SugarDaddy is suitable for use in soil, soilless, and hydroponic based gardening mediums.

Sugar Daddy, 1 Quart

Item # SUG1000 \$ 28.48

Awesome Blossoms is a scientifically blended superior flower stimulant designed to nurture prolific and bold blooms in all your flowering plants. This ultra-fertilizing tincture of super phosphates is formulated with macro and micro elements, stimulating dense, vigorous flowering. Awesome Blossoms fosters explosive flower growth, promoting heavier blooms at multiple budding sites. Used at regular intervals throughout the flowering stage, Awesome Blossom facilitates a crowning effect with new blossoms emerging from within existing flowers. An exceptional, concentrated liquid elixir, it also promotes robust, explosive essential oil production, maximizing overall crop weight, and amplifying aroma and flavor in all flowering and fruiting plants. For use in both soil and soilless systems, can be applied from the watering can, or mixed directly into hydroponic reservoirs.

Awesome Blossom, 1 Liter

Item # AWE1000 \$ 40.70

MagiCal is a highly enriched formulated blend of Magnesium and Calcium that promotes vigorous and healthy plant growth for both soil and soilless gardens. Incorporated in your regular feeding program Magical increases flower bud absorption and improves the nutritional quality of plants while reducing leaf chlorosis and deficiency related disorders such as blossom end rot, stem rot and tip burn.

MagiCal, 1 Liter

Item # MAG1000 \$ 18.03

Thrive Alive is a power packed preventative and restorative general purpose plant tonic. Thrive Alive stimulates rapid and lush vegetative growth, and will ensure the success of floral crops by promoting profuse flowering during blossoming. Its professionally balanced formulation contains vitamins and nutrients, which are cultured in premium quality British Columbian sea kelp. Thrive Alive is safe and easy to use for both hydroponic and soil applications, facilitating vigorous and healthy root development for both cuttings and established root systems, while protecting your plants from transplant-related shock. Thrive Alive can be used as a soil drench when taking cuttings, and in conjunction with ROOTECH Cloning Gel will quickly build viable root systems and initiate rapid stem and shoot growth. As a rejuvenator, Thrive Alive can be utilized prior to taking cuttings, ensuring healthy mother plants that will continue producing new shoots. Thrive Alive is also an outstanding foliar application in the house and garden for promoting a plant's full potential. When used weekly as a foliar spray throughout the vegetative cycle and into the first week of flowering, it nurtures a "green up" effect which keeps leaves strong and lush. Ideal for all types of gardening, Thrive Alive is an original Canadian formulation unequalled in quality, consistency and strength.

Thrive Alive B1 Red, 250 Milliliters

Item # THR1001 \$ 20.37

Thrive Alive B1 Green, 250 Milliliters

Item # THR1000 \$ 21.97

Coco-Wet is an organic wetting agent formulated to maximize product absorption and coverage on all plant surfaces. Coco-Wet lowers the surface tension between plant leaves and the products being sprayed on them. This enables plants to get maximum absorption of everything that is sprayed on them. No more run-off, repelling effect or evaporation. Coco-Wet's nonionic formulation makes it compatible with all nutrient sprays.

Coco-Wet is extremely easy to use. Add Coco-Wet to all your foliar sprays, including Spray-N-Grow, Bill's Perfect Fertilizer and other liquid nutrients to obtain maximum benefits. Just mix your foliar spray according to directions, add the indicated amount of Coco-Wet and spray plants.

Coco-Wet, 8 Ounces

Item # SPR9999b \$ 6.95

Spray-N-Grow is not a fertilizer, hormone or hydroponic nutrient solution. Spray-N-Grow is a foliar micronutrient complex made up of naturally occurring elements that are essential for plant growth. Fertilizers and nutrient solutions provide your plants with major elements necessary for plant growth. Some contain a few additional elements. Spray-N-Grow provides your plants with essential minor elements (micronutrients) not provided by your hydroponic nutrient solution.

Spray-N-Grow, 8 Ounces

Item # SPR9999 \$ 14.95

Bill's Perfect Fertilizer is a high phosphorus foliar fertilizer formulated to dramatically increase blooming and plant growth. This fertilizer is a highly effective supplement to hydroponic nutrient solution and Spray-N-Grow that produces excellent results in all growing mediums.

Bill's Perfect Fertilizer, 8 Ounces

Item # SPR9999a \$ 8.95

Nutrient Additives

Floralicious Grow and Bloom is made from a highly concentrated blend of bioactive microbial, plant, marine plants, and mineral extracts. Guided by the latest scientific findings, the unique fermentation process creates a potent blend of phyto-stimulants and biometabolic precursors that enables Floralicious to bring out your plants' full genetic potential. Floralicious contains a perfect balance of vitamins, phytohormones, humic acids, polysaccharides, fructans, beta-glucans, L-amino acids, and polyflavonoids.

Floralicious Grow enhances metabolic activities and nutrient assimilation that results in more vigorous growth. Floralicious Grow builds the foundation of root and leaf mass needed for superior harvests. Use Grow formula during vegetative stage for enhanced metabolic activity and vigorous growth.

Floralicious Grow, 1 Quart

Item # FLO4005 \$ 26.84

Floralicious Grow, 1 Gallon

Item # FLO4006 \$ 80.50

Floralicious Bloom is a bio plant stimulator and nutrient supplement specifically blended for fruiting or flowering stages of growth. Bloom promotes maximum flower size and fruit swelling for heavier yields. Floralicious Bloom offers phenomenal flavor and bouquet upon harvest. It leads to more coloration that is vibrant with an improved overall appearance. Use bloom formula during flowering for maximum flower size, flavor, color, and bouquet.

Floralicious Bloom, 1 Quart

Item # FLO4010 \$ 26.84

Floralicious Bloom, 1 Gallon

Item # FLO4011 \$ 80.50

Floralicious Plus is a super concentrated blend of bioactive plant, marine, microbial, and mineral extracts. It is a one part organic nutrient additive to be used throughout the plants growing cycle, containing the organic building blocks of life and is used in addition to your regular fertilizer program. With high concentrations of vitamins, complex sugars, amino acids, phytostimulants, polyflavonoids, and aromatic oils in an organic fulvic base, Floralicious Plus enhances mineral nutrient uptake and transport in your plants. The active carbon technology facilitates the conversion and biosynthesis of complex secondary aromatic compounds. Floralicious Plus enhances metabolic growth, promotes flower development, stimulates fruit swelling, and enhances essential oil production. Floralicious Plus also encourages beneficial microbial activity in the root zone.

Floralicious Plus, 8 Ounces

Item # FLO4104 \$ 21.84

Root 66 is an organic based nutrient blend comprised of seaweed extract, trace elements and disaccharides. The unique composition of Root 66 promotes the development of a well balanced root structure, which is a vital component of overall plant growth and performance. At transplanting, Root 66 improves the establishment of seedlings and cutting by stimulating adventitious root development. It activates immune system and create pest and disease resistance. It improves beneficial soil microbial activity, and improve overall plant quality. Root Apply to soil, soilless and hydroponic based gardening mediums.

Root 66, 250 Milliliters

Item # ROO1102 \$ 26.13

DeuceDeuce (0-0-22) is derived from sulfate of Potash, Potassium, and Ascophyllum Nodosum and also contains 1% Yucca Extract. Potassium aids plants in enzymatic function, protein and cellulose formation, efficient photosynthesis and rapid transportation of carbohydrates and starches throughout a plants vascular system. Providing high levels of potassium to your plants will also harden flowers and improve overall plant health. The Potassium contained in DeuceDeuce is a revolutionary formulation, creating instantly available elements within the formula. When DeuceDeuce is diluted and mixed in water a beneficial environment for biological life is created. This unique blend allows helpful biological activity to immediately begin breaking down the elements provided by the high quality, cold pressed Ascophyllum Nodosum Seaweed. Using DeuceDeuce in conjunction with Grow Natural and Bloom Natural will allow your plants to reach their peak performance. Our customers currently using DeuceDeuce have reported these results: increased root growth, lush vegetation, larger and harder flowers and improved overall quality for all the plants in their gardens.

DeuceDeuce, 1 Quart

Item # HUM1012 \$ 20.00

FlavorFul is a strong solution of 8% refined Humic acid concentrate, a little known and highly useful additive and derived from Leonardite. The majority of refined Humic acid formulas on the market are .01% concentration. The clear appearance of these watered down derivatives is an indication of the low concentration. FlavorFul is 8% refined Humic acid with a dark, amber color indicating the high concentration. FlavorFul is comprised of long chains of organic carboxyl and polyhydroxide acids. This complex molecule is very active with many open rings, giving it a large capacity to hold and exchange nutritive cations and anions. This beneficial exchange of ions enhances cell wall permeability throughout the root and leaf systems and increases negatively charged colloidal particles capable of holding and exchanging cations. Electrolytes are the key to healthy ion exchanges in plants and animals. Just as an athlete's body needs electrolytes to maintain proper function on the field, plants thirst for electrolytes to optimize health and to maintain sustained vigorous growth. FlavorFul contains electrolytes that stimulate plant walls, resulting in smooth and consistent uptake and delivery of vitamins, minerals, nutrients and trace elements in soil and fertilizers.

Flavorful, 1 Quart

Item # HUM1013 \$ 17.56

Verde (16-1-2) is used as a foliar spray or as a growth catalyst for hydroponic or soil crops, Verde keeps plants healthy throughout their life cycle. Verde is a premium growth supplement with 16% nitrogen, 1% phosphorus, and 2% potassium, as well as calcium, iron, magnesium and other vital elements. This is a great blend for plants experiencing periods of accelerated growth. Verde contains every element necessary for a true growth supplement, increasing the rate of chemical reactions which facilitate plant growth. Accessible nitrogen is the key to a plant having a strong and vibrant internal structure. A robust internal structure means a healthy immune system, a necessity for a plant to thrive and produce high quality crops. Verde is a blend that contains high quality, cold pressed Ascophyllum Nodosum seaweed, humic acid and Yucca Extract. This unique product increases root, stem and stalk structure, while boosting chlorophyll levels and protecting the health of your plant. Use Verde in conjunction with Humboldt Nutrients base nutrients and additives for vigorous growth. This is the useful and balanced nitrogen additive you have been searching for. USE IN RE-CIRCULATING SYSTEMS NOT RECOMMENDED.

Verde, 1 Quart

Item # HUM1014 \$ 22.50

Prozyme is a concentrate, made up of over 80 different beneficial enzymes. Enzymes are biological catalysts, derived from living organisms. Catalysts increase the speed of naturally occurring chemical reactions. Humboldt Nutrients employs the foremost experts in horticultural enzymes to formulate Prozyme into a highly diverse blend of enzymatic compounds. The result is a rich, dark biological which will break down dead root mass, starches, carbohydrates and nutrients to make them readily available and useful to the plant. Prozyme is a natural chelate, or a biological key, carrying the elements necessary for plant health, and delivering them into the cell wall for maximum absorption. Organic and conventional nutrients can contain complex macromolecules which are harder for a plant to break down and absorb than smaller compounds. Prozyme stimulates the "pre-digestion" of these complex molecules, allowing the plant to absorb and immediately use the nutrients. Since each enzyme has specific role to play in catalyzing reactions, the diversity of enzymatic species in Prozyme assures that each task required by the plant is performed efficiently and rapidly. When using Prozyme as a catalyst for chemical reactions, the rate of reaction can be over 15 million times faster than if left un-catalyzed. Without proper enzymatic activity, absorption of nutrients is sluggish and incomplete. ProZyme is specially developed for cleansing and treating all growing mediums.

Prozyme, 1 Quart

Item # HUM1015 \$ 40.00

Mayan MicroZyme is a 100% organic and ecologically safe beneficial bacterial complex with multiple species of soil microorganisms that will increase fertility while providing vital nutrients to all types of plants and crops. The microorganisms present in Mayan MicroZyme (MMZ) mineralize nutrients, produce and regulate nitrogen, , build organic matter in your soil, and improve fertility and fruit yields by increasing nutrient uptake and availability. When the concentrate is diluted in water and aerated, the micro-encapsulation dissolves and the micro-organism populations become active and increase in number.

Mayan Microzyme, 4 Ounces

Item # HUM1024 \$ 20.00

Myco Madness Soluble contains a biologically active package, 8 mycorrhizal species, 12 beneficial bacteria and 2 Trichoderma species well-suited to a variety of media, soil conditions, climates and plants. Myco Madnes contains mycorrhizal fungi that colonize plant roots and extend the root system into the surrounding media, greatly enhancing the absorptive surface area of root systems. It helps in forming an essential link between the plant roots, organic matter and fertilizers of all types. Also included is a specially formulated natural root booster.

Myco Madness, 4 Ounces

Item # HUM1025 \$26.00

Big Up is specially formulated to efficiently deliver high levels of phosphorus and potassium to the fruit or flower. Big Up Powder is designed specifically for the first week and final weeks of the flowering period. Plants are in a transitional phase during this first week. By introducing Big Up Powder in the first week of flowering, you effectively flip the switch in your plant, sending it immediately into an intense flowering cycle. Big Up also provides the final boost of energy that your plants need to finish the bloom cycle with some of the largest flowers you have ever seen. After using Big Up Powder, expect to harvest much larger and harder flowers than previous crops.

Big Up Powder, 4 Ounces

Item # HUM1026 \$17.26

Oneness (5-9-4) is Humboldt Nutrients own unique blend of plant-based amino and organic acid chelates, concentrated in a solution with complex carbohydrates, macro and micro-nutrients, metals and trace elements which are naturally found in healthy soil and vegetation. This diversity of chelates protects your garden from nutrient lock-out, salt build-up, low yields, and prevents your nutrients from falling out of solution. Oneness is 100% bio-degradable and made with chelates derived only from natural sources, setting Oneness apart from the competing synthetic chelated one-part formulas. Synthetic chelates can raise the salt-index in a biochemical system, choking out all biological activity. When foliar sprayed, the trademarked phosphorus booster used in Oneness makes photosynthesis in your plants function optimally, while the wide range of nutrients correct potential deficiencies.

Oneness, 1 Quart

Item # HUM1033 \$24.00

Hum-Bolt is a 8% Humic Acid derived from premium Leonardite, extracted from a mine known to produce the highest quality shale. Humic acid promotes high ion exchange capabilities, stimulates plant enzymes, increases beneficial organisms and acts as an organic catalyst. For years Humic Acid has been largely absent from our soil, due to erosion and over-farming; and its benefits have been overlooked for far too long. HUM-BOLT is a natural chelate and biostimulant. it creates immunities for plants, by blocking viral and bacterial particles from attaching to cell walls. HUM-BOLT creates more permeable cell walls, allowing for better absorption of nutrients, while protecting the plants by strengthening the cells natural defenses. Scientific studies have shown that Humic Acid regulates the effects of stress in plants by blocking hormones from reaching stress receptors sites. Without controlling the stress levels of indoor plants you run the risk of lower yields, lower quality crops, and nutrient lock-out. HUM-BOLT increases microbial activity in the soil, stimulates root growth by flushing out high levels of salt, and vastly increases nutrient uptake for all plants. Used in conjunction with our nutrient feeding schedules HUM-BOLT will increase the health of your plants, and your success as a gardener. HUM-BOLT promotes chemical exchanges which aerate your soil from the inside out, increasing oxygen, increasing the availability of nutrients, and super-charging a plants ability to readily absorb and use those nutrients.

Hum-Bolt, 1 Quart

Item # HUM1027 \$17.56

Sea Cal (2-0-0) is designed to be a powerful additive for hydroponics and all growing mediums. Sea-Cal may be utilized for any type of vegetable, flower or herb. Sea Cal is a highly concentrated growth enhancer and calcium supplement that offers vital nitrogen and calcium in the specific ratios necessary during early plant development. Calcium is very important during a plants vegetative and flowering cycle, controlling aspects of cell wall structure and permeability. Calcium is absorbed into a plant through the root tips, but plants are not always able to completely satisfy their need for calcium through their roots. Sea Cal also contains Potassium silicate and Humic acid. By thickening and strengthening cell walls, Potassium silicate protects plants from extreme temperatures, plant stress, harmful fungi and dangerous pathogens. With Sea Cal your garden is less susceptible to plant stress due to the cell wall's resistance to compression, contraction and expansion due to temperature. Sea Cal makes an excellent Foliar spray. When sprayed on the leaf tissue, the stomata's absorb the calcium with great efficiency, providing protection from powder molds which can grow on leaves. Adding Sea Cal to our complete nutrient feeding schedule provides maximum flower production, improved plant structure and heavy fruit yields. Sea Cal is derived from Ammonium Nitrate, Ascophyllum Nodosum Seaweed, Calcium Gluconate

Sea Cal, 1 Quart

Item # HUM1016 \$ 34.00

Sea Mag (1-3-4) is designed to be a powerful additive for hydroponics and all growing mediums. Sea Mag may be utilized for any type of vegetable, flower or herb. Sea Mag is loaded with vital elements which help control cell division, cell growth, cell differentiation and various internal processes. Sea Mag can be used to supplement magnesium and to increase plant growth. Sea Mag supercharges your plant, supplies crucial elements that plants require and prevents and corrects potential nutrient deficiencies. Sea Mag is derived from Asco-phyllum Nodosum Seaweed, Phosphoric Acid and Magnesium Sulfate.

Sea Mag, 1 Quart

Item # HUM1017 \$ 24.00

Equilibrium Natural offers the ease of a one-part Ca-Mg additive with the quality which has come to be associated with our products. Equilibrium Natural can be applied to all crops including vegetable crops, row crops, field crops, trees, vines, ornamentals, gardens and landscaping. Add to fertilizer mix for plants growing in soil, potting mixes, soil-less rooting media and hydroponics. Equilibrium Natural can also be used in foliar sprays. Equilibrium Natural can be used by the indoor and outdoor home gardener for all varieties of plants, such as flowers, vegetables, herbs, trees, berries, shrubs, ornamentals, annuals and perennials.

Equilibrium Natural, 32 Ounces

Item # HUM1032 \$ 21.56

Honey Organic ES is a premium blend of cane molasses, yucca, kelp and ocean fish, this carb source is as unique, as it is strong. The ES means Extra Strength. It increases brix levels by providing sugars to beneficial bacteria, fungi, and your plants. Plants must host microbial life in their root zone to ensure proper digestion, growth and health. Plants feed mycorrhizal and bacterial organisms near their root zone with carbohydrates. This is the symbiotic relationship between plants and micro organisms. As the plant naturally channels carbohydrates to new flowers, buds, and fruits, the microbial life in the root zone suffers and starves. By using Honey ES in conjunction with our nutrient feeding schedules you not only enhance the quality, flavor and quantity of your crop, but you maintain all the healthy microbial life present in the plants digestive system, the root zone and surrounding soil.

Honey Organic ES, 1 Quart

Item # HUM1018 \$ 23.40

Ginormous is the freshest and finest super-bloom booster available. Ginormous was specifically formulated to help your favorite plants yield the largest fruits, higher brix levels and better aromas. Ginormous is free of any harmful hormones and is 100% bio-degradable. Using naturally derived premium ingredients, macro and micro elements and carbohydrates, this unique formula will assist in the highest level of crop performance during their critical blooming stage. When used as a foliar spray in the first weeks of flowering, Ginormous effectively flips the switch in your plant, sending it into an intense flowering cycle, initiating multiple flowering sites and preventing fungal diseases from forming on your leaves.

Ginormous, 1 Quart

Item # HUM1019 \$ 30.00

White Widow is a Mycorrhizal powder containing an extremely high and diverse amount of mycological spores. White Widow is a diverse, pure endo Mycorrhizal. It is a super-fine powder which quickly and easily dissolves into water. With White Widow the speed and aggressiveness of your plant's root development is unprecedented. It is common to see large, furry, bright white roots shooting out of the bottom of containers only a week after transplanting with the White Widow. It is bacteria free, making it ideal for hydroponic systems.

White Widow, 1 Ounce

Item # HUM1020 \$ 18.11

Great White is the most advanced mycorrhizal product on the market today. The combination of mycorrhizae, beneficial bacteria, trichoderma, and plant vitamins will give your plants a strong and developed root system. This will enable your plants to break down and absorb nutrients efficiently and effectively. Also, it will increase water uptake and the overall absorption area of the root system, resulting in a healthier plant.

Great White, 4 Ounces

Item # GRE9000 \$ 39.95

Diamond Nectar applies the magic of humic acids to nutrient rich hydroponic environments by grabbing nutrient minerals and transporting them into plant roots for faster growth and higher yields. Plant growth occurs because humic acids channel available nutrients directly into nearby vegetation. By accelerating nutrient absorption at the root boundary zone where minerals enter the plant, humic acids optimize nutrient uptake in fast growing plants.

Diamond Nectar, 1 Quart

Item # DIA1001 \$ 17.25

Diamond Nectar, 1 Gallon

Item # DIA1000 \$ 46.00

Liquid Karma is a great multi-faceted bio-catalyst plant growth stimulant designed to augment growth in soil or hydroponics when used in addition to standard nutrients. Use in every phase of growth, to prevent transplant shock, and to promote rooting of cuttings. This bio-catalyst plant stimulant has active organic compounds not found in regular plant foods or supplements. These compounds act as regulatory signals, activators or catalysts producing synchronized and accelerated growth under all conditions.

Liquid Karma, 1 Quart

Item # LIQ1000 \$ 26.95

Liquid Karma, 1 Gallon

Item # LIQ1001 \$ 69.95

MaxiCrop Seaweed is a basic pure seaweed extract's natural growth stimulants initiate cell growth and cause vigorous growth of both root and stem. The trace elements that Maxicrop Liquid Seaweed contains are important at this stage-in enzymes, as activators of enzyme systems, and as stimulants.

Maxicrop Seaweed, 1 Quart

Item # LIQ1002 \$ 9.65

Sweet Carbo Berry is an all natural mineral supplements contains carbohydrates and essential secondary elements which are utilized for the bio-synthesis of crucial compounds to maintain optimal metabolism in all growth phases. Sweet is scientifically formulated with carbohydrates for flavor and aroma enhancement. During the vegetative phase, application of Sweet prevents plants from becoming leggy and soft-stemmed in the presence of high nitrogen concentrations. At the onset of flowering application of Sweet ensures a seamless and stress-free transition from the vegetative to the flowering stage even though nitrogen levels are artificially kept low. The key ingredients present in Sweet are rapidly taken up by plants and utilized for the biosynthesis of crucial compounds to maintain optimal metabolism. The continued application of Sweet during the flowering and fruiting stages helps maintain a proper balance between photosynthesis and respiration. This is significant because, during flowering, many growers use high carbon dioxide concentrations, high temperatures and light with longer wavelengths. Under such conditions, respiration can outstrip photosynthesis causing excessive ethylene production which results in senescence, yellowing of leaves and leggy growth. Sweet protects plants from this metabolic imbalance and helps produce sturdy stems with short internodes and an abundance of buds, flowers and fruits.

Sweet Carbo Berry, 1 Quart

Item # SWE1000 \$ 24.95

Sweet Carbo Berry, 1 Gallon

Item # SWE1001 \$ 64.95

Sweet Carbo Berry, 2.5 Gallons

Item # SWE1002 \$ 145.95

Sweet Raw helps maintain optimum metabolic levels by supplying plants with the vital energy they need during the entire grow cycle. Sweet Raw offers the same premium ingredients as the original flavored versions, without the added flavors. Get in the Raw with this flavorless blend of more than 20 amino acids, select carbohydrates, enriching vitamins, and an array of essential secondary and trace minerals.

Sweet Raw, 1 Quart

Item # SWE1003 \$ 24.95

Sweet Carbo Citrus is scientifically formulated with carbohydrates for flavor and aroma enhancement. The unique chemical composition of Sweet makes it beneficial during all phases of plant growth. Sweet protects plants from this metabolic imbalance and helps produce sturdy stems with short internodes and an abundance of buds, flowers and fruits.

Sweet Carbo Citrus, 1 Gallon

Item # SWE1004 \$ 64.95

Hydroplex Bloom Maximizer is a premium plant nutrient supplement formulated to push your crops to their limits. It contains optimum levels of potassium and phosphorus to encourage rapid bud formation and amplified flower size. It contains a vast array of essential amino acids involved in the transfer of ribonucleic acids (t-RNAs) and DNA synthesis; high potency vitamins; and a wide range of trace minerals.

Hydroplex Bloom Maximizer, 1 Quart

Item # HYD3012 \$ 30.95

Nitrozime is an all natural marine algae extract that contains many of the nutrients and growth hormones that all plants require for vigorous, healthy growth. Nitrozime promotes lush vegetation heavy with oil, earlier flowering, and increased yields. Highly concentrated; a little goes a long way. Recommended for foliar and root application

Nitrozime, 16 Ounces

Item # NIT1001 \$ 40.00

Superthrive is a hydroponic supplement that supplies ready-made carbon-hydrogen-oxygen groups that plants would otherwise need to wait to make. It is a unique vitamins and plant hormones formula. Use it with your cutting concentrate to increase your success with cuttings and increase the survival rate of difficult transplants. Super concentrated. You use only a drop per gallon.

Superthrive, 4 Ounces

Item # SUP5000 \$ 11.77

Superthrive, 1 Pint

Item # SUP5001 \$ 34.73

Superthrive, 1 Gallon

Item # SUP5002 \$ 174.40

Bushdoctor Microbe Brew is a liquid suspension with complex blend of ingredients specially formulated to help plants achieve optimum microbial habitats at the rhizosphere or root zone environment. Microbe Brew contains concentrated amounts of fungi and bacteria spores that will inoculate large populations at a rapid pace. Microbe Brew also contains macro and micronutrients that feed not only the plant, but also ingredients specially formulated to feed the actual microbial population. Organic and Natural, Microbe Brew will satisfy your plant and soil's thirst with the nutritional cocktail they deserve. Can be used in both hydroponic and soil applications.

Microbe Brew, 1 Quart

Item # FOX9015 \$ 26.00

Bushdoctor Kangaroots is a liquid root drench formulation designed to enhance the proliferation or root mass development for both primary and secondary roots. Organic and Natural, Kangaroots contains nutrition specifically designed to be instantly available for roots to absorb at optimal levels. Kangaroots also contains concentrated amounts of microbes designed for hosting not only directly on the roots, but in the soil around them. Kangaroots also contains all essential macro and micronutrients that a plant needs to thrive. Can be used in both hydroponic and soil applications.

Kangaroots, 1 Quart

Item # FOX9016 \$ 19.78

Cha Ching won't leave a salty residue or buildup in your hydroponic system or containerized soil plantings. It contains all the essential elements like calcium, magnesium, boron, manganese, sulfur, molybdenum, iron, copper and zinc to support solid fruit on compact, stocky plants.

Cha Ching Soluble, 1 Pound

Item # FOX9011 \$ 32.95

Beastie Bloomz is geared towards building enormous blossoms on your plants, with exceptionally brilliant color and long life. Just wait until you begin to see buds forming, and give 'em a shot of Beastie for a week or two. That's all it takes.
Beastie Bloomz, 1 Pound

Item # FOX9012 \$ 32.95

Open Sesame is a early-flowering formula designed to bring plants into bloom at your command. You decide when they bloom. Open Sesame delivers a specific micronutrient pack at just the right moment.
Open Sesame, 1 Pound

Item # FOX9013 \$ 32.95

Hydro-Gro Fertilizer is the ideal hydroponic fertilizer for any of the hydroponic kits or system. A one pound pack of our Hydro-Gro contains 8 ounces of the "A" mix, containing the major elements and micro-nutrients (trace elements), and 8 ounces of the B mix, which contains the Calcium Nitrate.
Hydro-Gro A, 1/2 Pounds

Item # FER3020 \$ 5.99

Hydro-Gro A, 1 Pound

Item # FER3021 \$ 9.50

Hydro-Gro A, 5 Pounds

Item # FER3022 \$ 19.00

Hydro-Gro A, 50 Pounds

Item # FER1000 \$ 126.00

Hydro-Gro B, 1/2 Pounds

Item # FER3023 \$ 1.45

Hydro-Gro B, 1 Pound

Item # FER3024 \$ 2.60

Hydro-Gro B, 5 Pounds

Item # FER3025 \$ 7.00

Hydro-Gro B, 50 Pounds

Item # FER3014 \$ 29.95

A+B, 5 Pounds (A- 2.5 Pounds, B- 2.5 Pounds)

Item # FER3018 \$ 19.50

Dry Nutrients

Jamaican Bat Guano is phosphorus-rich (1-10-0.2) and gives blooming flowers and ripening fruits a boost by heightening root and bud development. Listed by the Organic Materials Review Institute (OMRI), Jamaican Bat Guano is safe for use indoors and out and is non-toxic to people and pets. Gardeners can amend their soil with it, use it as a top dressing or create a "guano tea" and apply it directly to plant roots in a fortified water dilution.

Jamaican Bat Guano, 2.2 Pounds

Item # JAM1000 \$ 8.95

Indonesian Bat Guano (0.5-12-0.2) has the highest phosphorus rating available in a guano. It is perfect for encouraging multiple blooms and hardy root growth. 100% organic, suitable for all indoor and outdoor plants. May be used in a watering program or applied dry.

Indonesian Bat Guano, 2.2 Pounds

Item # IND1001 \$ 6.95

Mexican Bat Guano (10-2-1) brings important nutrients to plants and adds active micro-organisms to soil. These tiny organisms unlock nutrients bound up in the soil and break down the compounds in the guano, releasing major soluble and trace nutrients to eager plant roots. Mexican Bat Guano can be tilled into soil, used as a top dressing or applied directly in a water dilution. The result is increased soil porosity and a healthier root system. Mexican Bat Guano is listed by the Organic Materials Review Institute (OMRI). Pair it with our high-phosphorus Jamaican or Indonesian Bat Guano for spectacular growing results.
Mexican Bat Guano, 2.2 Pounds

Item # MEX1000 \$ 6.95

High Phosphorus Bat Guano (0-4-0) is perfect for gardeners who want the extra strength of this single, powerful ingredient. Because of the long aging process this product goes through, bat guano is packed with phosphorus to deliver spectacular flowers, sweeter fruit, and multiple bud set.
Peace of Mind High Phosphorus Bat Guano, 4 Pounds

Item # FOX9000 \$ 13.95

Steamed Bone Meal (3-15-0) is the secret ingredient of flower gardeners. For healthy plant growth, supplement your regular feeding program with our bone meal. It contains calcium, which creates strong cellular development in plants. Packed in a resealable plastic bag.

Peace of Mind Steamed Bone Meal, 4 Pounds

Item # FOX9010 \$ 9.95

Organic Tomato & Vegetable Formula (7-4-5) is pH-balanced with premium organic ingredients like bat guano, kelp meal, alfalfa meal, fish meal and humic acid, a naturally occurring organic material that is formed when organic matter decomposes. Humic acid helps with seed germination and may increase the uptake of important micronutrients. Tomato & Vegetable is granulated and easy to use, and it provides gentle, slow-release feedings all season long.

Peace of Mind Tomato & Vegetable Fertilizer, 4 Pounds

Item # FOX9001 \$ 9.95

MaxiGro and MaxiBloom are extremely potent, stand-alone, water-soluble, dry concentrate nutrients.

MaxiGro is used to encourage growth of seedlings and cuttings, and to stimulate rapid growth through the "vegetative" growth stage.

MaxiGro, 2.2 Pounds

Item # MAX1001 \$ 15.34

MaxiBloom is used for the reproductive stage in fast growing annuals. MaxiBloom encourages prolific flowering and fruiting, and increases yields and crop quality.

MaxiBloom, 2.2 Pounds

Item # MAX1002 \$ 15.34

Pure Granular Grow Formula is the base of the Organicare Plant Nutrient System, containing a combination of highly active organic acids, including humic acid. By combining major growth promoters like fishmeal and seaweed with composted poultry litter, alfalfa meal, sulfate of potash, macro and micro minerals, amino acids, proteins and natural plant extracts, Botanicare creates a highly effective fertilizer and growth stimulator. Ideal for soil container gardens, raised bed gardens, potted plants and hydroponics. Beneficial for fruits, flowers, vegetables, trees, shrubs, and turf. Pure's granular formula helps prevent nutrient leaching and runoff.
Pure Grow, 12 Pounds

Item # PUR3003 \$ 34.95

Pure Granular Bloom is a Premium organic-based plant food is for use during the bloom phase. Highly effective in soil container gardens, raised bed gardens, potted plants and hydroponics.
Pure Bloom, 12 Pounds

Item # PUR3004 \$ 34.95

Liquid KoolBloom (0-10-10) is a bulking agent that goes way beyond other bloom boosters. Enriched with stress reducing vitamins and nutrient transporting acids, Liquid KoolBloom promotes heavy production of essential oils, fantastic flavors, and increases fruiting and flower development. Liquid KoolBloom is instantly soluble in your reservoir and immediately available for plant uptake. It is precisely formulated to enhance the performance of GH's Flora, Nova, and Maxi series nutrients. Liquid KoolBloom should be used at the start of the reproductive cycle initiating larger, heavier fruits and flowers.
Kool Bloom, 1 Quart Solution

Item # KABLOOMQT \$ 21.76

Kool Bloom, 1 Gallon Solution

Item # KABLOOMG \$ 63.50

Dry KoolBloom (2-45-28) is packed with the potency your plants prefer in the final stages of flowering for raging weight gain and ripening to perfection. The ingredients that make Dry KoolBloom unique will make your fruits swell, while exponentially increasing the production of essential oils and floral fragrance. It is rich in phosphorous and potassium, fortified by secret ingredients. This blend enhances production of essential oils and fragrances by mildly stressing plants during the formation of fruits and flowers. Dry KoolBloom is used during the second phase of reproductive growth in conjunction with Liquid KoolBloom, which is used at the start of flowering.
Kool Bloom, 2.2 Pounds

Item # KABLOOM \$ 29.40

Kool Bloom, 16 Pounds

Item # KABLOOM16 \$ 235.00

American Pride is an organic based dry mix, all-purpose, time release fertilizer for flowers. Especially effective for roses, containing: alfalfa, iron, and linoleic acid, as well as iron & copper for rich, dark green foliage and abundant blooms. It is more suitable for flowers than vegetables. Use 2-3 times per year on outdoor flowering trees and shrubs. It is great for roses, tomatoes, and lawns by promoting quick green-up and plant vitality. America Pride will increase size and color intensity of buds and blooms. Premium water soluble organics, plus low salt plant foods. It activates with beneficial microbes naturally found in healthy soil.
American Pride, 4 Pounds

Item # FOX6000 \$ 13.95

Marine Cuisine (10-7-7) Seafood for Your Garden. Potent time-release fertilizer for outdoor plants just 1-2 times a year! Organic and mineral based nutrients provide a balanced diet with consistent feeding all year. Use on all evergreen trees and shrubs, acid loving plants, perfect for vegetables. Use at planting or scratch into surface and water in. Organic based formula contains specific ocean bi-products, plus low salt plant foods known for their powerful effect on plant life. Encourages beneficial microbe populations needed for optimum growing conditions. Marine Cuisine helps soil defend against harmful nematodes naturally. It is ideal for vegetables and flower gardens. Long term feeding with staying power.
Marine Cuisine, 4 Pounds

Item # FOX7000 \$ 13.95

PLANT CARE

SM-90 is a multi purpose wetting agent that improves spray coverage in soil and on plants and increases the speed of moisture penetration in soils and growing medias. Additionally, it reduces the surface tension of spray nozzles and irrigation systems, helping to maintain cleaner lines and drippers. SM-90 is a non-toxic, biodegradable, and environmentally friendly product.

SM-90, 1 Liter

Item # SM90 \$ 19.95

SM-90, 4 Liter

Item # SMG90 \$ 64.95

Sticky is a premium sticking and wetting agent which that is formulated using premium ingredients which are simply unavailable in similar products. With Humboldt Sticky your foliar sprays are fully utilized by the plant, eliminating waste or overfeeding. By equally distributing the heavier elements of your foliar spray (micro-nutrients, trace elements, etc) throughout the solution, your favorite plants receive more complete, healthy and useful nutrition. The state of the art binding agents present in Sticky create a microscopic bond between your plant's leaves and your nutrient solution, using all-natural biochemical processes which do not damage plant tissue, nor induce plant stress.

Sticky, 16 Ounces

Item # HUM1023 \$18.50

Don't Bug Me contains Pyrethrins made from chrysanthemum flowers. It kills harmful garden pests on contact and allows for repeated use without hurting humans or the environment. Can be applied up to the day of harvest
Don't Bug Me Spray, 24 ounces

Item # FOX8000 \$ 12.95

Pyrethrum TR is a total release (fogger) insecticide derived from Chrysanthemums. Pyrethrum provides the effectiveness and convenience of a total release fogger, which gives growing operations quick, thorough coverage, excellent plant safety, low worker exposure and short reentry times. Pyrethrum kills aphids, beetles, cucumber beetles, dried fruit beetles, flea beetles, cabbage worms, fungus gnats, hornworms, leafhoppers, mealybugs, mites, rose chafers, rose slugs, spider mites, spiders, trogloderma, thrips, and whiteflies. CAUTION RECOMMENDED. Restricted Use Product in NY.

Pyrethrum, 1 Ounces

Item # INS1011 \$ 20.00

Sticky Cards avoid pest damage by monitoring for key pests. Use for: Whiteflies, Aphids, Flea Beetles, Leafminers, Thrips, Bean Beetles and Fungus Gnats. These sticky traps will tell you when pest movement begins, helping you time treatments. The pests are attracted to this bright yellow card then become entangled in the sticky coating. Place traps in plants in perimeter rows of your planting or greenhouse.
Yellow Sticky Cards, 3" x 5"

Item # STI2000 \$ 5.95

Dyna-Gro Pure Neem Oil - "All Natural Leaf Polish" is cold pressed from the seeds of the neem tree. This organic leaf polish can be used on any plant to produce clean, shiny leaves. Pure Neem Oil leaves a natural shine on leaves without clogging the stomata. 100% Organic
Neem Oil, 8 ounces

Item # NEE1000 \$ 11.00

Neem Oil, 32 ounces

Item # NEE1001 \$ 33.50

Azatrol is a broad spectrum botanical product for control of insects and mites on indoor and outdoor ornamental plants, shrubs, flowers, garden vegetables, fruit and nut trees. Can be used as a repellent, anti-feedant, insect growth regulator and ovipositioning deterrent. As a molting inhibitor, it prevents insect larvae from developing into adults. Low odor. Formulated with food grade ingredients. Azatrol can be added directly to reservoir and is derived from Neem seeds.

Azatrol, 4 Ounces

Item # AZA1000 \$ 23.95

AzaMax is a natural product with a broad spectrum of pest control and broad plant applications. It contains Azadirachtin A&B as active ingredients and more than 100 limonoids from its special technology. The special feature of AzaMax is that it does not use hard chemical solvents and fully uses food grade formulation ingredients. AzaMax is an antifeedant and insect growth regulator which control pests through starvation and growth disruption. It effectively controls spider mites, thrips, fungus gnats, aphids, whiteflies, leaf miners, worms, beetles, leafhoppers, scales, mealy bugs, nematodes and other soil borne pests.

Azamax, 1 Pint

Item # INS1021 \$ 57.30

Azamax, 1 Quart

Item # INS1022 \$ 95.50

Nutrilife H2O2 is a 29% liquid concentrate solution that adds oxygen to nutrient solutions through chemical compounds. This sterilization additive is excellent for cleaning and disinfecting hydroponic equipment, materials, and growing areas.
H2O2, 1 Liter

Item # SUP4000 \$ 11.85

SYSTEM CLEANING and Plant Flushing Products

A clean system is a happy system. Flushing nutrients from plants before harvest improves flavor, especially when using chemically derived nutrients.

FloraShield maintains healthy roots without resorting to harsh, toxic chemicals. It's unique combination of compounds can thoroughly rinse systems and plants during all phases of the life cycle. It is safe to use on and around actively growing plants at all stages of growth.

FloraShield, 32 ounces

Item # FLO4000 \$ 28.75

Clarex is a scientifically formulated isotonic drench solution, which effectively binds with the excess nutrient salt and safely leaches it from the soil. Clarex is isotonic to create a safe osmotic environment which prevents bacterial and fungal infections often caused by other leaching methods. Clarex is a multi-beneficial water treatment solution: from preventing irreversible wilting to enhancing the flavor and yields of your vegetative plants.

Clarex, 1 Quart

Item # CLE1000 \$ 13.95

Clarex, 1 Gallon

Item # CLE1001 \$ 34.95

FloraKleen removes fertilizer residue that can accumulate over time in hydroponic systems, growing media, and potting soils. Use FloraKleen monthly to purge your hydroponic system or potted plants of excess salts that can accumulate as a result of regular fertilizer application. FloraKleen is an excellent final flush, and can be used at any time to dissolve mineral and salt buildup. Its high concentration and low price make FloraKleen the economical choice for maintaining your plants in both hydroponic and soil based environments

FloraKleen, 1 Quart

Item # FLO4103 \$ 9.78

FloraKleen, 1 Gallon

Item # FLO4100 \$ 23.00

Final Flush eliminates excess fertilizer salts in the final stages of growth and can also be used to correct overfeeding or for desalinization of reusable growing media.

Final Flush, 1 Liter

Item # FIN0001 \$ 12.85

Bushdoctor Sledgehammer is a unique rinse formula designed to remove excess fertilizer buildup and encourage water movement through soil and soilless mediums. Sledgehammer helps release surface tension in the soil which will allow optimal absorption of moisture and nutrition through the plant's root system. Derived from Saponin, an extract from Yucca, Sledgehammer is Organic and Natural and can be used both hydroponic and soil applications.

SledgeHammer, 1 Quart

Item # FOX9014 \$ 16.78

Royal Flush supercharges the flushing process by grabbing-up and binding together undesirable salts and heavy minerals. The Royal Flush then strips these larger particles out of your plant through the plant's vascular system, leaving behind sugars and strong flavors. Royal Flush is applied to all of your favorite plants in the final weeks of bloom. By flushing your crops with when a gardener feels it is needed, heavy elements and salts are removed from the plant, allowing for more aromatic and flavorful fruits and flowers. Royal Flush supercharges your flush, binding and removing undesirable salts and heavy minerals, making a more pungent, aromatic and flavorful crop. Royal Flush can be applied to all crops including vegetable crops, row crops, field crops, trees, vines, ornamentals, and gardens and landscaping. Royal Flush is a salt-eliminating, finishing solution for all plants growing in soil, potting mixes, soil-less rooting media, hydroponics and other gardens. Royal Flush can be used by the indoor and outdoor home gardener for all varieties of plants, such as flowers, vegetables, herbs, trees, berries, shrubs, ornamentals, annuals and perennials.

Royal Flush, 1 Quart

Item # HUM1021 \$ 14.50

ODOR CONTROL

All the products below work by eliminating, not masking odor causing molecules.

Ona Blocks are used as a standalone odor neutralizer. It is safe to use around plants, people and animals and is environmentally friendly. Ona is a complex formula using essential oil (plant based) technology to destroys wide spectrum of organic and non-organic odors.

Ona Pro Block, 6 Ounces

Item # ONA1000 \$ 8.95

Ona Fresh Linen Block, 6 Ounces

Item # ONA1001 \$ 8.95

Uvonair Ozone Generators eliminates odors caused by tobacco smoke, molds and mildew. It even tackles the unpleasant odors from pets, cooking, and damp basements. The Uvonair generates Ozone (O3) doesn't just mask odors like mere air fresheners - it neutralizes odors at the source, then harmlessly converts to CO2 and oxygen.

Ozone Generator 1000 Junior

Item # OZN1000 \$ 238.95

Ozone Generator 3000 Standard

Item # OZN1001 \$ 248.95

Ozone Generator 5000 Plus

Item # OZN1002 \$ 264.95

The heavy-duty CF Can Filter 9000 successfully eliminates odors for up to 18 months. Moving 118 cubic feet per minute, this carbon filter weighs just under 7 pounds. Can Filter 9000 has a screw-on mounting feature. Flange sold separately.

CanFilter 9000, 55 CFM max

Item # CANFIL9000 \$ 71.11

CanFilter Flange 9000 , 4"

Item # CANFLANGE4-9000 \$ 8.89

Can-Filters are designed for the removal of VO compounds, malodorous particles, from air. No messy refilling is needed. These filters are densely and uniformly packed with Activated Carbon by specially trained technicians. This means no settling and no preferential channels. Controlled grain size and a large surface area give full rated airflow and more than 99% odor removal. Can-Filters operate at a maximum relative humidity of 70% and a maximum temperature of 80 degrees Celsius. Can-Filters last up to one year under typical conditions.

Can 33, 200 CFM max	Item # CANFIL33	\$ 124.44
Can 66, 412 CFM max	Item # CANFIL66	\$ 193.32
Can 100, 840 CFM max	Item # CANFIL100	\$ 282.21

Can Flange is used to connect the Can-Filter to the ducting or Can-Fan, this is for airflow out of the ventilated area. Can Flange 6" for 33/66/100 Can-Filters

Item # CANFLANGE	\$ 14.44
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TESTING

pH Adjustment

It is critical to monitor the pH of your nutrient solution and keep it around 6-6.5. Otherwise plants will not absorb some nutrients and can get deficiencies even when all essential nutrients are present in the correct concentrations.

pH Control Kit comes with a basic liquid pH test kit and pint bottles of pH up and down	Item # PHT4000	\$ 17.20
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Basic pH Test Kit Contains pH test fluid and test strips	Item # PHT3000	\$ 5.95
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pH Test Strip kit, 100 strips, pH range 4-7, 1 color	Item # PHK1020	\$ 30.00
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To maximize plant growth, the pH content of your nutrients should be slightly acidic. Experienced growers consider the ideal pH for most crops to fall between 5.5 and 6.5. Users of General Hydroponics nutrient products generally do not experience problems maintaining the proper pH range because our formulas are pH buffered. However, some important exceptions do exist. Acid content can reach unacceptable levels when nutrient solutions are mixed with poor quality water, or pH unstable media - such as rock wool and gravel products - are used, and when high plant growth rates destabilize the nutrient mix due to rapid nutrient absorption by the crop.

pH Down is acid formulated using food grade Phosphoric acid. Just add a little at a time if your nutrient pH is too high in order to lower the pH to the proper level.

pH Down, 1 Quart	Item # HYD5000	\$ 10.76
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pH Down, 1 Gallon	Item # HYD5002	\$ 26.90
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pH Up is a base formulated using Potassium Hydroxide and Potassium Carbonate. Add a little at a time if your nutrient pH is too low in order to raise the pH to the proper level.

pH raise, 1 Quart	Item # HYD5001	\$ 10.76
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pH raise, 1 Gallon	Item # HYD5003	\$ 26.90
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METERS- pH, EC, TDS

Blue Lab Combo Meter is a conductivity, pH and temperature meter all in one. It comes with a pH probe and conductivity/temperature probe, which are simply placed into the solution and the selected reading is displayed on screen. It can be used anytime and anywhere to help you manage your crops daily nutrient requirements.

Blue Lab Combo Meter

Item # PHM3000 \$ 230.95

BlueLab Guardian Monitor is a constant indicator of the desired levels of EC, pH and temperature, enabling the grower to optimize these parameters as the crop progresses through each growing phase. The Guardian removes the complexity of how each parameter relies on each other for outstanding growth. The innovative monitor is a new method to help guard the success of your crops with immediate and accurate results. A flashing display lets you know if one parameter moves away from the ideal, allowing you to make the required adjustments quickly and effectively.

Blue Lab Guardian

Item # PHM3002 \$ 274.95

Hanna Combo pH/EC/TDS Meter is designed for high accuracy portable pH, EC/TDS and temperature measurements. This waterproof, floating meter has a replaceable pH electrode with a cloth junction for rejuvenation of the electrode. The large dual-level LCD is easy to read and also displays the battery life percentage when first turned on. Automatic temperature compensation and automatic shut-off. Measures EC from 0.00 to 20.00 mS/cm, TDS from 0.00 to 10.00 ppt, pH from 0.00 to 14.00 and temperature from 32°F to 140°F.

Hanna Combo pH/EC/TDS Meter

Item # PHEC100 \$ 151.00

Hanna DiST 6 EC Meter includes features such as a replaceable graphite electrode, adjustable TDS ratio, temperature in °C or °F, automatic temperature compensation (ATC) with adjustable β, battery level indicator, stability indicator, automatic shut-off and automatic calibrating all in a floating, waterproof casing. This 3-in-1 tester is unmatched in Conductivity/TDS/Temperature measurements!

Hanna DiST6 EC Meter

Item # ECM1100 \$ 91.00

The waterproof Hanna pHep 4 pH Meters have a dual-level LCD that displays pH and °C or °F. At startup, pHep® performs a self check then displays the remaining battery level to assure proper working condition. These testers also feature a stability indicator and hold feature to prompt the user when to take the reading & freeze the display for easy and accurate recording. Meter has a stainless steel temperature probe for faster and more precise temperature measurement and auto-compensation. 1 or 2 point calibration is made simple with automatic recognition of both standard and NIST buffer sets. Meter comes with protective cap, electrode removal tool, batteries and manual.

Hanna pHep 4 pH Meter

Item # PHT1000 \$ 84.00

pH calibration solutions are the highest quality electronic meter reference solutions. Used widely among many popular brands of meters using the NaCl scale. Use 7.01 for basic calibration or do a 2-point calibration with 7.01 And 4.01 solutions.

Calibration Solution pH 4.01, 8 Ounces

Item # CAL4005 \$ 7.54

Calibration solution pH 7.01, 8 Ounces

Item # CAL4007 \$ 7.54

The BlueLab pH Cleaning & Calibration Kit contains everything you need to clean a pH probe, ensure accurate readings, and get the most out of your investment. The kit includes detailed instructions, de-canter vessels, probe cleaner, cleaning tool, toothbrush, and calibration solutions. Cleaning is a very easy task and it prolongs the life of the truncheon or meter.

pH Probe Clean Kit

Item # PHM3100 \$ 24.95

The BlueLab CF Cleaning Kit contains everything you need to clean a conductivity probe to ensure accurate readings and prolong the probe's useful life. The kit includes detailed instructions, de-canter vessel, probe cleaner, probe chamois, and conductivity standard solution. Cleaning is a very easy task and it prolongs the life of the truncheon or meter.

EC Probe Clean kit

Item # PHM3200 \$ 19.95

Active Air 3 Way Meter makes it easy for gardeners to test their moisture, light, and pH levels with the handy meter. Moisture readings register on a scale of 0 (dry) to 10 (moist), light readings range from 0 (low light) to 2000 (very strong light), and pH readings between pH 0 (acidic) and pH 10 (basic) are represented. The durable, easy-to-read tester is suitable for indoors or out and needs no batteries to operate.

3 Way Meter

Item # 3WAYMETER \$ 9.95