Mist Controllers – “At A Glance™” Technology

**Electronic Leaf**
- Simple and effective way to mist cuttings
- Works on the principle of evaporation. The weight of mist on the metal screen controls solenoid operation
- 24 volt output, 40 VA, 120 volt in
- 24-volt plug-in transformer with 20’ cord included
- 20’ of 18/2 wire for solenoid valve connection also included
- Housing made with durable stainless steel
- Green LED light indicates power is provided to the electric leaf
- Blue LED light indicates power is supplied to the solenoid valve
- 2 year warranty

**TRIDENT - T3A - 1-Zone Controller**
- Sturdy non-metallic enclosure, UV protected, resists moisture and chemicals
- Toggle switch to select ON/OFF time mode, second/minute, minute/minute, and minute/hour
- 2-to 60-second or minute ON time, and 2-to 180-minute or hour OFF time
- Extra bright LEDs show ON/OFF times when programing and when controller is in use
- 24 hour digital clock, with 8 programmable events to turn controller off
- 2 year warranty
- Includes 24 VAC plug-in Transformer and 20’ cord

**NOVA - 1626ET - 6-Zone Controller**
- Sturdy non-metallic enclosure, UV protected, resists moisture & chemicals
- Seconds on, minutes off settings
- 1x, 2x, 3x time extender toggle switch
- One connection for the common wire
- 24 hour digital clock, with 8 programmable events to turn controller off
- Includes 24VAC plug-in transformer
- 2 year warranty

**SUPER NOVA - 12B**
- 12-Zone Controller
- Sturdy non-metallic enclosure, UV protected, resists moisture & chemicals
- Seconds on, minutes off settings
- 1x, 2x, 3x time extender toggle switch
- One connection for the common wire
- 24 hour digital clock, with 8 programmable events to turn controller off
- Includes 24VAC plug-in transformer
- 2 year warranty

**Please Note:** We no longer repair controllers 1626A, B, C or 120Volt 1626D, Gemini 4-Hour, or Gemini 2
Misting & Water Controllers

Mini-Mist
- 2 stations
- Timed operations with internal digital clock
- Misting and irrigation
- Each station can be individually set for operation times, watering days, and repeat functions
- Night detection sensor
- 24VAC input/output, supplied with plug in 24V transformer and power cord
- Weatherproof lockable non-metallic case with clear cover
- 1 yr warranty

Water Max
- 12 independent stations
- Timed operations with internal digital clock
- Misting and irrigation
- Each station can be individually set for operation times, watering days, and repeat functions
- Night detection sensor
- 24VAC input/output, supplied with plug in 24V transformer and power cord
- Weatherproof lockable non-metallic case with clear cover
- 1 yr warranty

Water Plus VPD
- 12 independent stations
- Continuous Vapor Pressure Deficit adjustments
- You set the on time, seconds or minutes
- The controller determines the off time based on current conditions and VPD value you set
- 24V transformer and power cord included, 24VAC output
- Night watering disable functions
- Includes all of the other features of the Water Max
- 1 yr warranty

Water Pro VPD
- 12 zones, expandable to 24 zones with expansion unit
- Includes 1 VPD sensor and able to except a 2nd VPD sensor
- Can be connected to a remote PC and used with the optional Growlink software for sensor data logging and remote control operation
- Crop aging adjustments
- End of schedule alarm
- Night watering disable functions
- 24V transformer and power cord included, 24VAC output
- 1 yr warranty

VPD = Vapor Pressure Deficit
VPD = Vapor Pressure Deficit. VPD is the difference between the amount of moisture in the air and how much moisture the air can hold. The Water Plus VPD and Water Pro VPD controllers use the VPD to automatically adjust the length of the mist or irrigation “off” cycle.

Visit Our Page 11 for Misting Kits

www.phytotronics.com
The Galaxy System

Wireless Devices for Horticulture

AT101 Remote Monitoring Hub

Product Overview and Operation:
- The AT101 provides network access to any AT200 sensors within range.
- An internal web server will display current sensor data on any browser and also send email/text alerts when individual sensor’s data exceeds user-determined setpoints.
- You can also transmit sensor data via XML strings to a cloud server. Charting software can then access the cloud data and present this information in a graphical manner.
- At least one AT101 is required per monitoring system.

Electrical:
- Input Voltage: 9VDC
- Input Current: 1.2A

Enclosure:
- Width: 4.125”
- Height: 1.25” (add 6” with antenna installed)
- Depth: 2.375”

Wall Adapter (provided):
- Input Voltage: 100 - 240VAC
- Input Frequency: 50 - 60Hz
- Input Current: 0.31A Max

Network:
- 10/100baseT RJ45 to Router or Switch
- 433MHz Receiver with range up to 300’
- Simple network setup via DHCP

In the box
- AT101 Hub with detachable antenna
- 100-240VAC Wall Power Adapter with 6’ cable
- 14’ Ethernet cable

AT300 Starter Kit

Included are:
- AT101 Hub
- AT200-T Temperature Sensor
- AT200-RT Remote Sensor Probe

Everything to begin logging data.

1060 Quick Start Kick

How It Works

Step 1: Plug AT101 into your router or switch
Step 2: Install batteries in AT101
Step 3: Log into Atec’s webpage
Step 4: Enter AT200 serial numbers and monitor data

AT200-RT Remote Temperature Probe
External 3’ probe for AT-200T, for use when the area needing to be sensed may block the signal of the AT200-T to the AT101.

1070 AT200-RT Remote Temperature Probe

(314) 770-0717
The Galaxy System Sensors

Product Overview and Operation:
The AT200 sensors will communicate with any AT101 hub within range. A simple “learn” process pairs the sensor to the hub. Once this is completed, data will be immediately available on the hub’s webpage and in the AT101 cloud. Designed, Manufactured and Supported in the USA!

AT200-CT A/C Current Flow Sensor
The included clamp on probe simply attaches to a wire of the device to monitor. For example, attach to a wire on a furnace fan to monitor. For example, attach to a wire on a furnace fan to monitor when the fan motor is running. Current threshold levels for triggering are jumper selectable within the sensor. Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a +/- 10% change. If there is a change in data, it will be transmitted immediately. Data reports 0-30A

1062 AT200-CT A/C Current Flow Sensor

AT200-T Temperature Sensor
Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a +/- 10% change. If there is a change in data, it will be transmitted immediately. A 6’ remote probe is available (AT200-RT) to sample data in precise areas. -40 to 85°C

1063 AT200-T Temperature Sensor

AT200-H Humidity (%RH) Sensor
Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a +/- 10% change. If there is a change in data, it will be transmitted immediately. 5-95% RH - 5% Accuracy

1064 AT200-H Humidity Sensor

AT200-V Analog DC Voltage Sensor
May be attached to a backup batteries to monitor voltage levels. Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a +/- 10% change. If there is a change in data, it will be transmitted immediately. 0-30VDC - 0.1V

1065 AT200-AD Analog DC Voltage Sensor

AT200-L Ambient Light Level Sensor
Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a +/- 10% change. If there is a change in data, it will be transmitted immediately. Data reports 0-100

1066 AT200-L Ambient Light Level Sensor

AT200-C Contact Closure Sensor
Senses and reports status of any dry contact switch. A simple magnetic reed switch can be attached to sense whether a window or door is open or closed. Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a change. If there is a change in data, it will be transmitted immediately.

1068 AT200-C Contact Closure Sensor

AT200-W Water Sensor
The included sensing pcb/probe may be placed flat on the floor to sense the presence of water. Data is sampled every 30 seconds and transmitted every 6 minutes unless there is a change. If there is a change in data, it will be transmitted immediately. Data reports 0-100

1067 AT200-W Water Sensor

www.phytotronics.com
Redi-Heat™ Mats

Redi-Heat™ Heavy-Duty Propagation Mats

- RDT-4 or RHT-2 Thermostat required
- 2-Year Warranty and made from thick, flexible rubberized PVC in Phyto Blue
- Provides even, constant heat to root zone for flats and pots
- Designed for use on greenhouse benches or any flat surface
- Easy to install, economical to operate and portable
- Water-proof
- Mats come with a heavy duty 5’ cord and plug for 120 volt AC current
- Will heat up to 120°F and will not trip GFCI

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size Width x Length</th>
<th>Watts per Matt</th>
</tr>
</thead>
<tbody>
<tr>
<td>8600</td>
<td>12” x 5 foot</td>
<td>150</td>
</tr>
<tr>
<td>8602</td>
<td>12” x 10 foot</td>
<td>300</td>
</tr>
<tr>
<td>8604</td>
<td>12” x 20 foot</td>
<td>600</td>
</tr>
<tr>
<td>8606</td>
<td>21” x 5 foot</td>
<td>150</td>
</tr>
<tr>
<td>8608</td>
<td>21” x 10 foot</td>
<td>300</td>
</tr>
</tbody>
</table>

12” x 5 foot Redi-Heat Heavy-Duty Propagation Mat & RHT-2 Thermostat

21” x 5 foot Redi-Heat Heavy-Duty Propagation Mats

Check out more products on our website!
www.phytotronics.com

Phytotronics, Inc.
(314) 770-0717
### Redi-Heat™ Thermostats

#### RHT-2 Thermostat
- 120 volts – 1800 watts maximum
- 2 outlets
- 6’ long power cord
- 40°F to 100°F set temperature range
- +/- 3°F accuracy
- Sensor 3-3/4”
- 72” long sensor cable
- Can be used with optional mounting plate as shown below

#### RDT-4 Thermostat
- 120 volts – 2400 watts maximum
- Built in 20 amp circuit breaker
- 4 outlets
- 6’ long power cord
- 40°F to 99°F set temperature range
- +/- 1°F accuracy
- Sensor probe 1” long and 5/32” wide, small enough to be used in the cell of a plug tray.

#### RHT-2 & RDT-4 Thermostat Bench Mounting Plate
- Designed for mounting the RHT-2 and RDT-4 thermostat above plant material on the bench
- Position the Bench Plate away from water
- Four fasteners are provided
- Size: 12” H x 5” D x 7” W
- Thermostat sold separately

#### Poly Inflation Controller
- Extends the life of film covering
- Regulates airflow for twin-film greenhouse blowers to maintain pressure between the film layers
- Saves Energy by maintaining pressure between Films
- Helps prevent damage by over or under inflation
- Offers more stability in windy environments
- Features a built in digital manometere
- Offers local humidity and temperature data on the display
- Has a remote temperature located in the inlet air intake
- This unit can be set to run in manual mode to hold a specified pressure setting or auto mode to adjust pressure based on temperature and wind gusts

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*www.phytotronics.com*
Germination Chamber

Features
- Stainless steel and aluminum construction
- Doors swing fully open on piano hinges allowing complete access to interior
- Clear polycarbonate doors
- The circular vents can be rotated from closed to open, providing infinite adjustments
- All ventilation openings are screened
- Water reservoir has automatic water level control for supply hose
- Thermostatically controlled heating element is submerged in water to provide moist heat
- Aluminum heat baffle for more even heating
- Water level sensor turns off heating element before element damage occurs
- GFCI cord end for safety
- Digital display shows temperature within the chamber
- Easy-set thermostat controls heating and optional ventilation fans
- Shelf Brackets are spaced at 5”
- Metal edged plastic shelves are removable for easy cleaning
- 8” Casters roll smoothly over doorjambs and bumps, 2 locking
- Ships fully assembled and ready to use

Options
- Optional thermostatically controlled ventilation fans
- Optional 18-gallon gravity flow water reservoir with stand, valve, and 5’ hose

“Designed for Greenhouses, Schools, Universities, Research facilities, Nurseries, Market growers, and Seed Companies”

The Phytotronics Germination Chamber was designed by horticulturalists for horticulturalists. It incorporates many great features some are not available anywhere else; the door gutter collects condensation and redirects it back into the chamber to avoid puddles on the floor, low water level switch protects heating element, and the optional temperature settable ventilation fans move air through the chamber.

Two Models Available
- GC6- height 47” x width 54” x depth 28” has 6 shelves and holds up to 24 flats.
- GC12- height 77” x width 54” x depth 28” has 12 shelves and holds up to 48 flats. (shown above)

Water Reservoir
Digital Thermostat & Fan Control

(If the Ventilation Fan kit is purchased with the Germination Chamber, it will be installed before the unit is shipped.)

(314) 770-0717
Watering Systems

Hi-Hose Watering System

- Keeps watering hose off of the floor and out of the way
- Labor-saving, cost-cutting, efficient
- Kits available for 50, 75 and 100 foot greenhouses
- Includes: coupled 5/8” “Blue Ribbon” hose w/ anti-kink hangers preinstalled, swivel pulleys, galvanized aircraft cable, wire rope clamps, and a turnbuckle
- 50’ kit comes with 65’ hose; 75’ kit comes with 90’ hose; 100’ kit comes with two 65’ hoses
- Hundreds of systems in use
- Assembly instructions included

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6320</td>
<td>High Hose Kit 50 foot</td>
<td>50 foot</td>
</tr>
<tr>
<td>6322</td>
<td>High Hose Kit 75 foot</td>
<td>75 foot</td>
</tr>
<tr>
<td>6324</td>
<td>High Hose Kit 100 foot</td>
<td>100 foot</td>
</tr>
</tbody>
</table>

*NOTE: Kit HH-100 requires a center support and either 2 faucets (one at either end); or a splitter at the center of the greenhouse.

Capmat™ II Capillary Matting

- Made of lightweight, high-strength, polypropylene, polyester, viscose material
- Gray colored mat is resistant to rotting, shrinking, chemical decomposition and being crushed
- Reversible and will not fray after cutting
- Can be used with Agribrom or Zerotol for algae control
- Highly absorbent, permits water to quickly wick to roots
- Mat thickness is 1.0 mm
- Capillary lift is 8.0 cm

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>7000</td>
<td>Capmat II Capillary Matting</td>
<td>4’x100’ roll</td>
</tr>
<tr>
<td>7001</td>
<td>Capmat II Capillary Matting</td>
<td>6’x100’ roll</td>
</tr>
<tr>
<td>7070</td>
<td>4’ distribution kit</td>
<td></td>
</tr>
<tr>
<td>7072</td>
<td>6’ distribution kit</td>
<td></td>
</tr>
</tbody>
</table>

Water Pulse Capmat

- Complete Capmat system
- Includes: a plastic bottom, a capillary mat layer, drip tube and a fabric top layer. The only thing that needs to be added is a header to connect the mat to a water source.
- Designed to grow plants in containers, ranging from large single plant containers to propagation trays
- These mats provide the most efficient way to grow crops
- Lengths can be cut to custom size for any Grower
- 2’, 3’ and 5’ wide mats are also available, contact us for pricing

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>7006</td>
<td>Water Pulse Capmat</td>
<td>4’x100’ Mat</td>
</tr>
<tr>
<td>7071</td>
<td>Water Pulse Capmat</td>
<td>4’ Header</td>
</tr>
<tr>
<td>7007</td>
<td>Water Pulse Capmat</td>
<td>6’x100’ Mat</td>
</tr>
<tr>
<td>7073</td>
<td>Water Pulse Capmat</td>
<td>6’ Header</td>
</tr>
</tbody>
</table>
Pestrap™

- Essential IPM tool
- Grids for estimating threshold levels
- Use one card for every 500 sq. ft. of greenhouse
- Non-toxic & extremely sticky adhesive
- Use of gloves recommended
- Pestrap sizes 3” x 5”, 4” x 10”, 10” x 16”

- Pestrap™

4620  3” x 5” Yellow
4626  3” x 5” Yellow/Blue
4600  4”x 10” Yellow - general pest monitoring
4602  4”x 10” Blue - thrips (Ex: Western Flower Thrips)
4610  4”x 10” Yellow/Blue
4605  10” x 16” Yellow - general pest monitoring
4612  10” x 16” Yellow/Blue

Rooting Hormones

Rhizopon® AA #1, #2 & #3 Dry Powder Rooting Hormones

- Registered with the US EPA for use in greenhouses and nurseries
- Acts with the plants own natural rooting hormones to aid in root formation by uniform absorption of the active ingredient.
- Ready to use formulation.
- Each dry powder is dyed pink, green, or white-gray to avoid mix ups
- Used by the Dry Dip Method
- Approved Label under WPS for zero-hour Re-entry Interval
- Available in three popular strengths:
  #1: 0.1% IBA (Pink), #2: 0.3% IBA, (Green),
  #3: 0.8% IBA, (White-Gray)

- Rhizopon® AA #1, #2 & #3 Dry Powder Rooting Hormones

0301  #1 Powder, .1% IBA  1 lb  0310  #2 Powder, .3% IBA  1 lb  0320  #3 Powder, .8% IBA  1 lb
0315  #2 Powder, .3% IBA  25 lb  0325  #3 Powder, .8% IBA  25 lb

Rhizopon® AA Water Soluble Tablets

- Registered with the US EPA for use in greenhouses and nurseries
- Water soluble IBA-No alcohol required to dissolve
- Easy to use. Tablets are premeasured: count and mix.
- Each tablet contains 50 mg IBA
- Can be used by basal dip, and foliar total immerse or spray drip down methods
- Approved Label under WPS for zero-hour Re-entry Interval
- No Sales to California

- Rhizopon® AA Water Soluble Tablets

0330  20 Pack  20% IBA
0334  200 Pack  20% IBA
0336  2500 Pack  20% IBA

Hortus IBA Water Soluble Salts®

- Registered with the US EPA for use in greenhouses and nurseries
- Water soluble IBA-No alcohol required to dissolve
- Easy to use. Measure and mix. Economical to use.
- Can be used as a basal dip, and foliar total immerse or spray drip down method
- Approved Label under WPS for zero-hour Re-entry Interval
- EPA Approved for application to Foliage

- Hortus IBA Water Soluble Salts®

0341  100 Gram  20% IBA  (3.5 oz., .1 Kilo)
0339  250 Gram  20% IBA  (8.8 oz,1/4 Kilo)
0337  1 Kilo  20% IBA  (2.2 lbs.)
Misting and Watering Accessories (Continued)

DGT Nozzles — 3/8” BWT

- Threads are BWT (British Whitworth Thread)
- Two piece housing with O-ring seal and screen
- Use PVC Nozzle Adapters or the Mini Adapter for installation
- Upright or Inverted

Blue and White nozzles should be alternated as their mist patterns differ in height to prevent their mist patterns striking each other.

<table>
<thead>
<tr>
<th>DGT NOZZLE SPECIFICATIONS for Upright or Invertible Nozzles</th>
<th>* Water Above Noz.</th>
<th>Nozzle Spacing</th>
<th>Appro. Dia.</th>
<th>50 PSI GPM</th>
<th>72 PSI GPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Pin Application</td>
<td>8”-10”</td>
<td>48”-60”</td>
<td>8’-12’</td>
<td>.53</td>
<td>.66</td>
</tr>
<tr>
<td>Blue Pin Application</td>
<td>12”-16”</td>
<td>48”-60”</td>
<td>8’-12’</td>
<td>.53</td>
<td>.66</td>
</tr>
<tr>
<td>Red Pin Application</td>
<td>12”-16”</td>
<td>60”-72”</td>
<td>14’-18’</td>
<td>.79</td>
<td>1.14</td>
</tr>
<tr>
<td>Yellow Pin Application</td>
<td>14”-18”</td>
<td>72”-96”</td>
<td>18’-22”</td>
<td>1.24</td>
<td>1.66</td>
</tr>
</tbody>
</table>

* Maximum height the spray will arc above the nozzle top.

Turfbolt Red 3/4” Hose Thread & Blue 3/4” Pipe Thread

- Keeps sprayer parts, emitters and nozzles free of mineral build up
- Reduce water use by 20%
- Solve hydrogen sulfide (rotten egg smell) issues
- Significantly reduced water hardness (CaMg)
- Solve calcium carbonate (CaCO3) problems
- Eliminate localized hydrophobic dry spots
- 2 year satisfaction guarantee
- Solve bicarbonate (HCO3) problems
- Increased dissolved oxygen (O2)
- Good for growers that don’t want to use acid injection
- Improved nutrient uptake

3306 Red 3/4” Hose Thread
3304 Blue 3/4” Pipe Thread

Springbolt

- Springbolt mobile water softener for single output like a water spigot or hose
- Reduces and reverses scale buildup in pipes.
- No by-products, filters to replace, chemicals to add, energy required or maintenance needed.
- Purchase comes with 3-year Limited Manufacturer’s Warranty
- Made with aerospace anodized aluminum and available in ½”

3300 Springbolt

Phytotronics Misting Kits

- All necessary components for 1/2” and 3/4” systems
- Available in 6 different lengths from 25’ to 125’
- Includes solenoids, filters, nozzles, pvc fittings, cement, wire, pre-drilled pipe and installation instructions
- Designed to cover misting benches from 4’ to 6’ widths
- Controllers sold separately

1300 M25 25’ – 1/2” PVC Pipe
1305 M50 50’ – 1/2” PVC Pipe
1310 M75 75’ – 1/2” PVC Pipe
1315 M100 100’ – 3/4” PVC Pipe
1320 M125 125’ – 3/4” PVC Pipe
1325 M150 150’ – 3/4” PVC Pipe
### Ball Carts

- Heavy-duty ball carts designed for ease-of-use and durability
- Both carts are only 33.5” at the widest point to allow passage through garden gates
- 66” tall; pecan powder coat finish
- 16” 4-ply tires will handle up to 1,200 lbs
- Ribbed-tread tires protect grass while moving trees
- Auxiliary handles allow two people to move a tree from the side and not get “caught” in the foliage

| BC 9790 | BBC 9791 |

### Large Nursery 2-Wheeler

- 66” tall x 33-1/2” wide
- 16” ribbed wheels
- 800 lb load rating
- Weight: 93 lbs
- For up to 25” diameter potted plants or 55 gallon drums
- Side handles for easier use

9789

### Nursery 2-Wheeler

- 54” tall x 20” wide
- 10” pneumatic tires
- 600 lb load rating
- Easily moves 10 gallon potted trees or shrubs
- Pecan powder coat finish
- Can ship UPS when unassembled
- Weight 44 lbs

9788

### Mega-Plant Mover

- Designed specifically for moving large containerized plant material
- Primary wheels: fixed 16” pneumatic 4-ply tires
- Secondary wheels: 10” swivel
- Base plate: 24” long x 14” wide
- Wheel width: 30.5” outside to outside
- Handles have large heavy duty grips
- Secondary side handles
- Weight: 105 lbs
- Total height: 60”
- Powder coat pecan finish

9786

### Flat Cart

- 10” pneumatic tires roll easily over rough terrain or gravel
- 45-1/2” tall x 15” wide (23” wide overall)
- 1” tube handle
- 300 lb load rating
- Nestable for reduced storage space
- Lock nuts adjust tension for shelf pivots
- Raised tab on front of shelves prevents flats from slipping off
- Pecan powder coated finish
- Some assembly required

9710

Phone: (314) 770-0717
A time-tested, accurate proportioning device which dispenses fertilizers, insecticides, fungicides and other water soluble chemicals through a hose.

- Proportions at the rate of 1 gallon of concentrate to 16 gallons of water
- One gallon of concentrate is dispensed in 3 to 5 minutes
- 6 gallons per minute minimum flow
- Made of brass
- Hozon needs 35 psi minimum
- Use on maximum 50’ length of hose (see illustration at right if more than 50’ of hose is desired)

**How to prepare a concentrated solution not shown in the chart**

- Hozon proportions at 1:16 so concentrated solution should be made at 16 times the recommended rate.
- **Example**: If fertilizer recommendation is 2 TBSP (1/8 cup) per gallon then make the solution 16 times greater than that rate (i.e., 16 x 2 = 32), or 32 TBSP (2 cups) per gallon would be the concentrated rate
- Then, when mixed with water from the hose, the concentrated solution will come out the hose end at the recommended rate

### Fertilizer Ounces Per Gallon

<table>
<thead>
<tr>
<th>Analysis</th>
<th>100*</th>
<th>150*</th>
<th>200*</th>
<th>250*</th>
<th>300*</th>
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</thead>
<tbody>
<tr>
<td>10-30-20</td>
<td>2.0</td>
<td>3.0</td>
<td>4.0</td>
<td>5.0</td>
<td>6.0</td>
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<td>15-30-15</td>
<td>1.35</td>
<td>2.03</td>
<td>2.70</td>
<td>3.38</td>
<td>4.05</td>
</tr>
<tr>
<td>20-20-20</td>
<td>1.0</td>
<td>1.5</td>
<td>2.0</td>
<td>2.5</td>
<td>3.0</td>
</tr>
</tbody>
</table>

*PPM of nitrogen desired

- Solid Brass Siphon Mixer with Backflow Preventer
- Spring filter eliminates clogging
- Name brand, quality item
- Time-tested, accurate proportioning device
- Designed for smaller scale growers
- Siphon Mixer proportions at the rate of 1 gallon concentrate to 16 gallons water
- Requires a minimum 35 psi for proper operation
- Available in POP and bulk packaging

0001 Hozon - Retail Pack
0002 Hozon - Bulk Pack
0004 Hozon - Springs Stainless Steel

---

**Hozon™ now with 3/4” BSP Parallel Thread!**

- Solid Brass Siphon 3/4” BSP with Parallel Thread, is also used in Australia, New Zealand, etc.
- Easily and accurately applies soluble fertilizer to lawn, garden and greenhouse plants.
- Prevents backflow should pressure fail
- Brass body for durability
- Eye-appealing packaging
- Retail display or bulk packaging
- Spring filter to eliminate clogging
- Easy to follow instructions

0003 Hozon - Retail Pack
0005 Hozon - Bulk Pack
0006 Hozon - Repair Kit

www.phytotronics.com
Top-dress with doses up to 4-1/2 teaspoons, up to 1,500 plants an hour!

A new revolution to top dressing that meets the demand of professional growers, providing accuracy and efficiency. Adjust the dose from 2 to 25 grams and apply granular fertilizer and herbicides in record time, up to 1500 plants per hour.

Accurate applications improve the quality and uniformity of your crop and with the Fertil Dispenser consistency is certain to each plant. Gravity feeds the granular material to the control wand and metered amount is dispensed with the press of a lever.

Weights 6.8 lb empty • 5 gallon volume

(314) 770-0717

www.phytotronics.com
BJA Tape Binders

Features

- Makes tying up staked or trellised plants in the greenhouse, nursery or field a breeze. You’ll never use a twist tie again.

- Great for tomatoes, cucumbers, grapes, woody ornamental or fruit tree whips, Christmas trees and any other crop that needs tied up or staked.

- Tape Binder comes with an extra spring and cutting blade held firmly in the tape compartment. Extra staples are available.

- Optional Twine Holder makes taping to a string support a snap.

- Uses long lasting heavy duty tape, or our new biodegradable tape.

Standard Tape Binders -
Use with 7/16" wide. Small Tape

Model B - Green 5730
Makes tape remnants after stapling. Holds 3¼" dia. tape.

Model F - Yellow 5332
No tape remnants after stapling. Holds 3¼" dia. tape.

Model S - Purple 5334
No tape remnants after stapling. Less effort to use compared with other models. Good for all day use. Built-in lock to keep closed. Holds 3¼" dia. tape.

Ace Tape Binders -
Use with 1/2" wide tape Large Tape

Model B Ace - Green 5336
Makes tape remnants after stapling. Holds 4½" dia. tape.

Model F Ace - Yellow 5338
No tape remnants after stapling. Holds 4½" dia. tape.

Model S Ace - Purple 5340
No tape remnants after stapling. Less effort to use compared with other models. Good for all day use. Built-in lock to keep closed. Holds 4½" dia. tape.

Tape For BJA Tape Binders

- 7/16" Wide Tape For use with Standard models only -
  5345 Small Tape - Purple 115’ 120 microns (.005’’)
  5347 Small Tape - Green 92’ 140 microns (.006’’)
  5349 Small Tape - Silver 72’ 190 microns (.009’’)
  5346 Small Biodegradable Tape 98’ 140 microns (.006’’)

- 15/32” Wide Tape For use with Ace models only -
  5353 Large Tape - Green 200’ 140 microns (.006’’)
  5354 Large Tape - Silver 131’ 190 microns (.009’’)
  5352 Large Biodegradable Tape 196’ 140 microns (.006’’)

BJA Tape Binder Accessories

- Accessories
  5355 Staples
  5357 Blades
  5360 Twine Holder

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