



North Carolina State University Horticultural Substrates Lab

PourThru Method

The following is a step-by-step procedure for measuring pH and soluble salts in greenhouse crops using the PourThru method of soil solution extraction.



Step 1

Irrigate your crop. Make sure you get thorough and complete hydration. Wait approximately one hour before proceeding with PourThru to allow adequate time for equilibration.



Step 2

Place a saucer under each container to be tested. We find that the inexpensive clear plastic pot saucers are good choices.

Step 3

For the PourThru, use distilled water, not regular tap water or drinking water. The amount you use depends on the volume of the container. Use enough to get ~50 ml (milliliters) out of the bottom of the container.



Step 4

Pour the water evenly over the top of the container. Remember the water is used to displace the solution in the container.

Step 5

Let the container drain completely. Time will vary with container size, but it should be completed in a few minutes.



Step 6

Pour the solution into cups or beakers for measurement. We find small plastic beakers are best so you can determine the actual amount of water drained. Variability in water applied and drained can lead to inconclusive results.

Step 7

50 ml is adequate for testing in the greenhouse. This amount is also adequate for sending to diagnostic labs for nutritional analysis.



Step 8

Measure pH: Be sure to calibrate the pH pen or probe before use. Record value on pH graph.

Step 9

Measure soluble salts: Be sure to calibrate the EC pen or probe before use. Record value on EC graph.

Step 10

Check values on pH and EC tables and take appropriate actions.

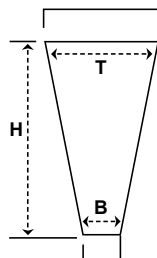
Grower Select Plant Sleeves

Drop and Tear

Plastic Plant Sleeve

Specifications

All sleeve measurements are: Top (T) x Height (H) x Bottom (B). Both wicketed and nested sleeves available by special order. Please call for pricing.



Item #	Description	Count	U/M	Price
09-0651A	29.5X29.5X10" TRANSPARENT SLV 50 VENTS	900	CS	\$137.04
09-0652A	29.5X29.5X15" TRANSPARENT SLV 50 VENTS	900	CS	\$152.85
09-0653	24X22X13.25" TRANSPARENT SLV 50 VENTS	1000	CS	\$108.60
09-0654	24X29X9" TRANSPARENT SLV 50 VENTS	1000	CS	\$129.31
09-0655	24X30X7.5" TRANSPARENT SLV 50 VENTS	1000	CS	\$143.68
09-0656	20X20X8" TRANSPARENT SLV 50 VENTS	1000	CS	\$88.60
09-0657	24X24X8" TRANSPARENT SLV 50 VENTS	1000	CS	\$107.16
09-0658	20X24X8" TRANSPARENT SLV 50 VENTS	1000	CS	\$96.98
09-0659	16X18X4.5" TRANSPARENT SLV 50 VENTS	1000	CS	\$68.85

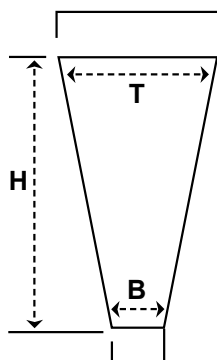
Plant Sleeves | Acorn

Plant Sleeves

Plastic Plant Sleeve

Specifications

- All sleeve measurements are: Bottom (B) x Top (T) x Height (H).
- All sleeves are 2 hole punched together at the top in bundles of 100 with the Drop and Tear (DT) format.
- Our height (H) measurement is the actual height of the sleeve after you tear it from the serrated lip. The height (H) does not include the lower lip.
- Sleeves 11" and taller are vented.



Clear & Satin Sleeves

The most economical method of packaging plants. Clear sleeves produced from "high clarity" polypropylene film; satin sleeves produced from ultra high density polyethylene film. Superior stiffness and slipperiness for fast loading and unloading. Venting situated on the sleeve to maximize plant life.

Trunkliners

Green Trunkliners printed with plant care tips.

Item #	Description	Flat Size	Bags/Roll	Price/Roll
Trunkliner				
09-0890	CMI Trunk Liner	35" x 44"	500/cs	\$163.79
09-0891	CMI Trunk Liner	28" x 44"	500/cs	\$134.99

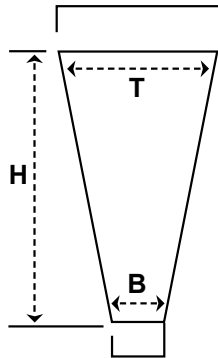
Item #	Pot Size	Measurement Btm Top Hght	Units Per Case	Price Per Case
Satin Sleeves				
09-0500B	4 - 4.5"	4.5 13 14	2000	\$141.34
09-0505B	4.5 - 5"	5 12 16	2000	\$178.55
09-0555	4 - 4.5"	4.5 16 18	2000	\$182.08
09-0557	5 - 5.5"	6 18 18	1000	\$119.17
09-0503	4.5 - 5"	5 13 20	2000	\$129.22
09-0564	6 - 6.5"	7.5 19 18	1000	\$122.49
09-0565	6 - 6.5"	7.5 19 20	1000	\$126.18
09-0580	6 - 6.5"	8 20 20	1000	\$131.11
09-0610	6" HB	8 22 20	1000	\$137.65
09-0570	6 - 6.5"	7.5 19 22	1000	\$134.24
09-0575	6 - 6.5"	7.5 19 24	1000	\$135.47
09-0575A	6 - 6.5"	8 20 24	1000	\$142.19
09-0575B	6 - 6.5"	8 24 24	1000	\$143.80
09-0577	5.5 - 6"	7 18 28	1000	\$185.76
09-0585	6 - 6.5"	7.5 24 30	500	\$97.01
09-0593	7 - 8"	9 22 26	1000	\$179.05
09-0615	8" HB	10.5 24 22	1000	\$149.01
09-0615MV	8" HB	10.5 24 22	1000	\$151.38
09-0593F	8 - 8.5"	10.5 22 24	1000	\$154.79
09-0594	7 - 10"	9.5 30 36	500	\$199.79
09-0620	10" HB	13.2 24 22	1000	\$161.71
09-0620MV	10" HB	13.2 24 22	1000	\$160.29
09-0600	8 - 10"	10 30 30	500	\$119.27
09-0600MV	8 - 10"	10 30 30	500	\$120.59
09-0631	10" HB	13.2 24 30	500	\$112.69
09-0604	12" HB	15 30 30	500	\$114.91
09-0604MV	12" HB	15 30 30	500	\$116.24
09-0603	10 - 12"	14 30 50	200	\$150.99
Crystal Clear Sleeves				
09-0500	4 - 4.5"	4.5 10 10	2000	\$147.76
09-0505	4 - 4.5"	4.5 13 14	2000	\$185.02
09-0506	6 - 6.5"	7.5 19 20	1000	\$170.23

MISC. SUPPLIES



Natural Kraft WSWR Sleeves

All natural KRAFT WSWR (Wet Strength Water Resistant) plant sleeves are made of the highest quality paper. A special glue is used in the manufacturing of these sleeves to give a superior bond.



Use pricing as a guide. Pricing is always subject to change without notice.

Item #	Sleeve Number	Dimensions			Fits Pot Size	Case Pack	Case Wt.	Price
		Bottom	Top	Height				
09-0900	S412A	5	10.5	12	4 - 4.5 "	1000	31#	\$115.65
09-0902	S415A	5	12	15	4 - 4.5 "	1000	39#	\$128.44
09-0904	S418A	5	13	18	4 - 4.5 "	1000	48#	\$141.81
09-0906	S518A	6	18	18	5 - 5.5 "	500	34#	\$80.20
09-0908	S524A	6	18	24	5 - 5.5 "	500	43#	\$93.76
09-0910	S620A	8	20	20	6 - 6.5 "	500	43#	\$90.28
09-0914	S624A	8	18	24	6 - 6.5 "	500	44#	\$96.86
09-0916	S624B	8	20	24	6 - 6.5 "	500	48#	\$100.35
09-0918	S624C	8	22	24	6 - 6.5 "	500	52#	\$104.22
09-0920	S630A	8	21	30	6 - 6.5 "	500	60#	\$119.14
09-0922	S630B	8	24	30	6 - 6.5 "	500	66#	\$125.92
09-0924	S636A	8	24	36	6 - 6.5 "	400	63#	\$117.78
09-0926	S724A	9	24	24	7 - 7.5 "	500	57#	\$116.04
09-0928	S730A	9	20	30	7 - 7.5 "	500	59#	\$119.14
09-0930	S730B	9	24	30	7 - 7.5 "	500	67#	\$127.66
09-0932	S736A	9	24	36	7 - 7.5 "	400	64#	\$119.72
09-0934	S824A	10.5	24	24	8 - 9 "	500	58#	\$116.82
09-0936	S830A	10.5	24	30	8 - 9 "	500	70#	\$130.76
09-0938	S836A	10.5	24	36	8 - 9 "	400	66#	\$122.82
09-0939	S836C	10.5	34	36	8 - 9 "	250	58#	\$116.04
09-0942	S842A	10.5	30	42	8 - 9 "	300	68#	\$130.18
09-0944	S1024A	13.5	24	24	10 "	500	60#	\$117.20
09-0946	S1030A	13.5	24	30	10 "	500	72#	\$137.35
09-0948	S1036A	13.5	30	36	10 "	300	63#	\$121.46
09-0950	S1048A	14	30	48	10 "	300	80#	\$169.70
09-0952	S1060A	14	30	60	10 "	200	66#	\$144.32
09-0954	S1260A	16	30	60	12 "	200	68#	\$148.20
09-0953	S1460A	19	30	60	14 "	200	70#	\$154.20
09-0958	S1770A	28	34	70	16 - 18 "	100	57#	\$108.87

Printed Sleeves

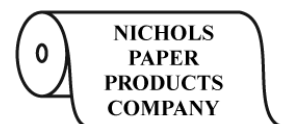
All standard printed sleeves & roll wrap are made of the highest quality white machine glaze finish paper. A special formula glue is used in the manufacturing of these sleeves to give a superior bond.

Item #	Sleeve Number	Dimensions			Fits Pot Size	Case Pack	Approx. Case Weight	U/M	Price	
		Bottom	Top	Height						
09-0961	XHLY 418	4.5	13	18	4 - 5"	1000	38	CS	\$240.02	
09-0962	XHLY 524	6.5	20	24	5 - 6.5"	500	36	CS	\$158.66	
09-0963	XHLY 630	6.5	22	30	5 - 6.5"	500	49	CS	\$171.06	
09-0964	XHLY 836	9.5	23	36	7 - 10"	500	62	CS	\$208.83	
Two color Holly print on white paper										
Item #	Sleeve Number	Dimensions			Fits Pot Size	Case Pack	Approx. Case Weight	U/M	Price	
		Bottom	Top	Height						
F00860	SIWF 418	4.5	13	18	4 - 5"	1000	38	CS	\$228.21	
F00870	SIWF #0	6.5	17	24	5 - 6.5"	500	32	CS	\$139.97	
09-0965	SIWF #1	6.5	19.5	30	6 - 7"	500	45	CS	\$160.98	
F00890	SIWF #2	9.5	23	36	7 - 8"	500	62	CS	\$198.57	
F00900	SIWF #3	12	23	36	9 - 10'	500	66	CS	\$209.61	
-	SIWF 24R	24" Wide x 833' Roll					1	22	CS	\$67.50
-	SIWF 30R	30" Wide x 833' Roll					1	28	CS	\$82.17
-	SIWF 36R	36" Wide x 833" Roll					1	33	CS	\$93.91
Two color print on white paper										

Custom Printed Sleeves

Custom printed florist wrap & sleeve pricing include printing in one standard ink color on any of the standard paper colors. Special color matched inks and up to 2 color prints are available.

Please call for a quote.



MISC. SUPPLIES

Standard Speed Covers

The industry standard for decorating potted plants, Highland Supply Speed Cover[®] plant covers offer an inexpensive and eye-catching way of creating stunning displays and turning everyday plants into premium gift items. The re-formed Speed Covers[®] are durable, fast and easy to use and are available in an ever-expanding lineup of colors, styles, and sizes.

Standard Speed Covers

Item Code	Size	Carton Pack	Price
SC4-★	4" Standard Flare	250	\$145.76
SC45-★	4 1/2" Standard Flare	250	\$158.87
SC5-★	5" High Flare	250	\$166.82
SC5B-★	5" Bulb Pan	250	\$166.82
SC6-★	6" Standard Flare	250	\$122.39
SC6H-★	6" High Flare	250	\$122.39
SC6TH-★	6" Tall High Flare	250	\$127.85
SC6B-★	6" Bulb Pan	250	\$122.39
SC65-★	6 1/2" Standard Flare	250	\$127.85
SC65H-★	6 1/2" High Flare	250	\$127.85
SC7-★	7" High Flare	150	\$111.88
SC8-★	8" High Flare	150	\$114.78
SC8B-★	8" Bulb Pan	150	\$114.78
SC10FH-★	10" Foliage	150	\$168.54
SC10-★	10" High Flare	150	\$168.54
SC10A-★	10" Azalea	150	\$168.54

Brite Speed Covers

Item Code	Size	Carton Pack	Price
SC4-★/SI	4" Standard Flare	250	\$154.48
SC45-★/SI	4 1/2" Standard Flare	250	\$158.87
SC5-★/SI	5" High Flare	250	\$174.78
SC6-★/SI	6" Standard Flare	250	\$127.85
SC6H-★/SI	6" High Flare	250	\$127.85
SC6TH-★/SI	6" Tall High Flare	250	\$132.82
SC65-★/SI	6 1/2" Standard Flare	250	\$132.82
SC65H-★/SI	6 1/2" High Flare	250	\$132.82
SC7-★/SI	7" High Flare	150	\$111.88
SC8-★/SI	8" High Flare	150	\$114.78
SC10-★/SI	10" High Flare	150	\$168.54



Pre-Cut Sheets

Pre-cut sheets of foil are available. Please contact your BFG sales representative or customer service for more information.



Additional patterns, colors and varieties are available. Please call for more information.

Embossed Foil

Fernleaf

Item Code	Size	Pack	Price Per Roll
FE205-FRN★	20" x 50'	25	\$6.32

Available in the following colors: Aqua, Azalea, Bettertimes, Bittersweet, Blueberry, Copper Nugget, Cranberry, Crystal Blue, Eggplant, Emerald, Fuchsia, Gold, Lavender, Moss, Nile, Oceanic Teal, Orchid, Pink, Purple, Red, Rose Pink, Royal Blue, Sage, Silver, Sky Blue, Sonia, True Red, White, Yellow. (Backing is Silver.)

Did you know that BFG Supply Co. has an automatic notification system that provides customers with order confirmations, changes in order status, and ship dates? Set up your S.M.A.R.T. Connect profile today at www.bfgsupply.com!



Grower Select Wire Plant Supports

Tomato/plant supports

Long-lasting and durable.

Item #	Description	Count	U/M	Price
35-2010	GS 33" Tomato Cage 3 Ring	20	CS	\$47.56
35-2020	GS 42" Tomato Cage 4 Ring	12	CS	\$34.60
35-2021	GS 54" Tomato Cage 4 Ring	12	CS	\$60.64



GrowerSelect

Koba Corporation | Plant Support Rings



Functional Plant Support Rings

Koba Corporation offers a line of plant support rings that are used to support and encourage uniform growth of plants such as mums and poinsettias, as well as protect them during shipment and handling.

Item #	Description	Color	Count	U/M	Price
46-0610A	KOBA 6" EXTENDER RING	GRN	1200	CS	\$250.71
46-0620A	KOBA 7" EXTENDER RING	GRN	1250	CS	\$273.83
46-0629	KOBA 9" EXTENDER RING	GRN	500	CS	\$135.90
46-0630A	KOBA 10" EXTENDER RING	GRN	500	CS	\$148.07
46-0631	KOBA 12" EXTENDER RING	GRN	450	CS	\$286.61
46-0632	KOBA 14" EXTENDER RING	GRN	400	CS	\$265.31
46-0641	KOBA 4" PLANT EXTENDER SUPPORT RING	GRN	1680	EA	\$282.84
46-0621	KOBA 8" EXTENDER RING	GRN	1000	CS	\$279.71

KOBA™ Corporation

4 Sure Products | Wire S-Hooks



Wire S-Hook

4 Sure Wire Products Inc. offers custom sizing to your exact specifications. Call for more details.

- Galvanized Steel 10 gauge used to extend hanging baskets.

Item #	Count	Qty Um	Base Description	Price
35-0050	25	EA	S-HOOK 6"	\$.19
35-0052	25	EA	S-HOOK 12"	\$.23
35-0053	25	EA	S-HOOK 15"	\$.24
35-0054	25	EA	S-HOOK 18"	\$.27
35-0055	25	EA	S-HOOK 20"	\$.27
35-0056	25	EA	S-HOOK 24"	\$.30
35-0059	25	EA	S-HOOK 36"	\$.51
35-0060	25	EA	S-HOOK 54"	\$.77
35-0061	25	EA	S-HOOK 60"	\$1.02

MISC-SUPPLIES

4SURE
WIRE PRODUCTS, INC.

Green Dyed Bamboo Stakes

Item #	Length	Diameter	Bale/Qty	Price
F25000	1-1/2'	3/16"	2000	\$85.34
46-0434C	2'	3/16"	1000	\$49.14
46-0434D	2-1/2"	1/4"	1000	\$61.64
46-0434F	3'	5/16"	1000	\$90.95
46-0434H	4'	3/8"	500	\$76.51
46-0434J	5'	7/16"	250	\$77.16
46-0434L	6'	7/16"	250	\$93.10

Green Dyed Split Bamboo Flower Stakes

Item #	Length	Diameter	Bale/Qty	Price
46-0436	8"	5/32"	5000	\$40.95
46-0436C	12"	3/16"	5000	\$81.90
F25045	16"	3/16"	5000	\$110.99
46-0436H	18"	3/16"	5000	\$121.55
46-0436J	24"	7/32"	2500	\$114.01

Natural Bamboo Upside-down "U" for Climbing

Item #	Length	Diameter	Bale/Qty	Price
46-0429E	18"	-	100	\$45.26
46-0429D	24"	-	100	\$58.19
46-0429C	30"	-	100	\$68.97
46-0429N	36"	-	100	\$79.74
46-0429A	42"	-	100	\$94.83
46-0428	48"	-	100	\$107.76

Natural Bamboo Stakes-Retail Pack

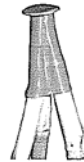
Item #	Length	Diameter	Bale/Qty	Price
46-0431	2'	3/16"	25 (25's)	\$38.58
46-0431A	3'	5/16"	25 (25's)	\$73.92
46-0431B	4'	3/8"	15 (25's)	\$70.04

Natural Bamboo Stakes

Item #	Length	Diameter	Bale/Qty	Price/Bale
46-0430A	2'	5/16"	1000	\$50.65
F25155	2.5'	3/8"	500	\$45.04
46-0430	3'	3/8"	500	\$55.60
46-0430C	4'	3/8"	500	\$71.77
46-0430F	4'	7/16"	250	\$53.23
46-0430G	4"	1/2"	250	\$64.87
F25180	5'	3/8"	500	\$82.33
46-0430H	5"	7/16"	250	\$65.73
46-0430L	5'	1/2"	250	\$85.13
F25195	5'	5/8"	100	\$45.69
46-0430N	6'	1/2"	200	\$80.17
46-0430P	6'	5/8"	100	\$56.90
46-0430R	6'	3/4"	100	\$100.00
F25215	7'	1/2"	100	\$46.98
46-0430V	7'	5/8"	100	\$66.38
F25227	8'	3/4"	50	\$60.99
F25230	8'	7/8"	50	\$84.70
46-0430Y	8'	1"	50	\$102.37
46-0432	9'	1"	50	\$109.91
F25245	10'	1-1/8"	25	\$69.61
F25250	12'	1-1/4"	25	\$99.78
F25255	12'	1-3/8"	25	\$112.93
F25260	15'	1-1/2"	25	\$157.97

Green Rubber Trellis Cap

Green rubber teepee trellis cap for 3 bamboo stakes up to 1/2" diameter.



Item #	Bag/Qty	Price
F25108	100	\$22.63



Protective Equipment | St. George / Kasco

Battery

Item #	Item Description	Price
28-0184	T5, T8 Battery	\$214.44

Spray Suit

Item #	Item Description	Price
28-0185M	M (5'5")	\$117.96
28-0185	L (5'8")	\$117.96
28-0182	XL (5'11")	\$117.96
28-0183	XXL (6'2")	\$117.96

Helmet Air Hose

Item #	Item Description	Price
28-0190B	K80S Helmet Air Hose	\$57.06

Helmet Headband

Item #	Item Description	Price
28-0188C	Headband Complete for K80S Helmets	\$22.41

Visor

Item #	Item Description	Price
28-0188	Regular Visor for K80S & Prof 88 Helmet	\$47.58

The use of protective equipment when handling chemicals reduces exposure to potentially dangerous substances. Kasco protective equipment will give you a higher degree of protection.





KASCO K80S-T8N(T)*
FOR PERSONAL RESPIRATORY PROTECTION WHILE SPRAYING PESTICIDES & HERBICIDES
 Ideal for Orchard and Vineyard Use

12 volt power cord plugs into the tractor's cigarette lighter socket for power to operate blower/fan unit and/or charge four hour battery. The K80S-T8N(T) helmet is pressurized by positive pressure with 8 CFM and is vented by one-way valves. Weight: 1 lb. 8 oz. (680g) The helmet features a flip-up, Lexan visor with a tough fiberglass shell and adjustable headband for sizes up to 8. Can be worn with beards and spectacles. The blower/fan unit and battery are worn on a belt around the waist. NIOSH-approved protection against organic pesticides requiring a TC-23C type respirator. NIOSH Approval # TC-23C-1572.

Item #	Price
28-0180C	\$1043.91

System Includes: SP8 cigarette lighter power cord, helmet, blower/fan unit, air hose, belt, battery, two ZA2/P3 filters, and instructions.

Optional: BP6 110 volt battery charger, ZP3 HEPA filter for dust.



KASCO K80S-T8N(G)*
FOR PERSONAL RESPIRATORY PROTECTION WHILE SPRAYING PESTICIDES & HERBICIDES
 Ideal for Greenhouse Use

Battery provides four hours of operating time on a four hour charge from the 110 volt battery charger included. The helmet is pressurized by positive pressure with 8 CFM and is vented by one-way valves. Weight: 1 lb. 8 oz. (680g). The K80S-T8N(G) helmet features a flip-up, Lexan visor with a tough fiberglass shell and adjustable headband for sizes up to 8. Can be worn with beards and spectacles. The blower/fan unit and battery are worn on a belt around the waist. NIOSH-approved protection against organic pesticides requiring a TC-23C type respirator. NIOSH Approval # TC-23C-1572.

Item #	Price
28-0180D	\$1013.85

System Includes: 110 volt battery charger, helmet, blower/fan unit, air hose, belt, battery, two ZA2/P3 filters, and instructions.

Optional: ZP3 HEPA filters for dust, SP8 12 volt power cord that plugs into a tractor's cigarette lighter socket.



KASCO PROF 88*
FOR PERSONAL RESPIRATORY PROTECTION WHILE SPRAYING PESTICIDES & HERBICIDES

This powered air-purifying helmet respirator has fan blowers, batteries and filters all built into the helmet, giving you excellent freedom of movement in fields or tighter working areas. Weight: 4 lb. 4 oz. (1.93kg) The PROF 88 can run for four hours on its batteries, or continuously from a tractor or vehicle's power using the SP88 12 volt cigarette lighter socket cord. The internal batteries can be charged from the optional NC-9 charger, or from a tractor with the SP88 cord. Self-contained helmet for easy mobility, ideal for orchard, field, and greenhouse use.

Item #	Price
28-0180A	\$1066.12

System Includes: Helmet with flip-up visor, SP88 12 volt cord for cigarette lighter socket, two ZA1/P3 filters, and instructions.

Optional: NC-9 110 volt power supply, ZP3 HEPA dust filters, NIOSH approval #TC-21C-633

***WARNING!**

- Do not use KASCO helmets with fumigants.
- Do not use them in manure pits or silos or any atmosphere where oxygen may be less than 19.5%.

Item #	Item Description	Price
28-0003	28-00003 ZA2/P3 Pesticides Filter for T1, T5, T8 & T9 Systems only	\$56.79

Item #	Item Description	Price
28-0181A	ZA1/P3 Pesticide Filter for PROF 88 System only	\$52.18

MISC. SUPPLIES



Kit for Direct Soil pH Measurement with Special Electrode

- Dual- Level LCD
- Plastic auger for easy ground presentation

The HI 99121 kit has been designed to address the question of correct and rapid measurement of pH directly in soil. Every item in this kit has been made to facilitate measurements in the field without compromising accuracy.

ORDERING INFORMATION: HI 99121 is supplied complete with HI 1292D pH electrode, ground auger, HI 7051M soil preparation solution, pH 4 and pH 7 buffer sachets, HI 700663 and HI 700664 electrode cleaning solutions, batteries, rugged carrying case and instructions.



Item #	Description	Price
34-0854	HI 99121 Soil pH Measurement	\$359.00

HI 83900 Suction Lysimeter

The HI 83900 suction lysimeter is built with a porous ceramic cap connected to a transparent tube for soil solution extraction. A rubber capillary is inserted in the tube passing through a rubber cap and reaching the ceramic tip. The HI 83900 series lysimeter is an ideal tool for collecting soil solution samples for quantitative chemical analysis. In this way the operator can easily monitor the level of nutrients, such as ammonia, nitrate, phosphorous and potassium, sulphate, calcium, and magnesium. The ceramic tip of the lysimeter can be used in all types of soil, and it is made of sinterized material that does not react with nutrient elements. The soil solution, therefore, is not affected by the chemical composition of the ceramic cap, and the test results are always precise and reliable.



ORDERING INFORMATION: HI 83900-30 is comprised of 30 cm (0.98') sampler tube ending with porous ceramic tip, capillary rubber tube with rubber cap and finger clamp, cleaning solution starter kit (120 mL bottle), 30 mL syringe and instruction manual. HI 83900-60 is comprised of 60 cm (1.97') tube sampler tube ending with porous ceramic tip, capillary rubber tube with rubber cap and finger clamp, cleaning solution starter kit (120 mL bottle), 30 mL syringe and instruction manual. HI 83900-90 is comprised of 90 cm (2.95') tube sampler tube ending with porous ceramic tip, capillary rubber tube with rubber cap and finger clamp, cleaning solution starter kit (120 mL bottle), 30 mL syringe and instruction manual.

Item #	Description	Price
34-0856	HI 83900-30 Suction Lysimeter	\$46.00
34-0856A	HI 83900-60 Suction Lysimeter	\$62.00
34-0856B	HI 83900-90 Suction Lysimeter	\$82.00

HI 993310 Direct Measurement of Soil Activity & Solution Conductivity

Now it is possible to use one instrument to accurately and quickly measure EC in many places where the fertilizer is mixed, such as in the irrigation water and directly in the soil. This meter is easy to operate and gives fast, accurate measurements. HI 993310 is equipped with an alarm LED that automatically turns on if the soil is too dry, or nutritive substances such as potassium or nitrogen are lacking. Also included in the meter is the ability to measure salt activity.



ORDERING INFORMATION: HI 993310 is supplied complete with HI 76304 EC probe for solutions, HI 76305 stainless steel probe for direct soil measurements, HI 7051M soil preparation solution, HI 721319 ground auger, battery, rugged carrying case and instructions.

Item #	Description	Price
34-0827	HI 993310 Direct Measurement of Soil Activity & Solution Conductivity	\$452.00



MISC. SUPPLIES



pHep[®] 4 / pHep[®] 5 pH/Temperature Testers with Replaceable pH Electrode

The pHep[®] 4 and pHep[®] 5's are the most advanced pH testers in the market today. These testers are for the sophisticated user that requires the greatest accuracy without compromising in price. The pHep[®] 4 has a 0.1 pH resolution, and pHep[®] 5 reads up to 0.01 pH. Both models have BEPS (battery error preventing system) as well as user selectable automatic shut-off, replaceable pH electrode cartridge, stability indicator and automatic calibration.

- HI 98127 (pHep[®] 4) & HI 98128 (pHep[®] 5) are supplied with protective cap, electrode removal tool, batteries and instructions.



HI 9813 Waterproof pH/EC/TDS/°C Meters for Growers

These multi-parameter instruments test 4 of the most important factors for growing. HI 9813 is a rugged all around waterproof meter for easy pH/EC/TDS measurements. HI 9813-5 has all the popular features of the HI 9813 and will also display °C with the press of a button. HI 9813-6 has an added Cal-Check feature that can assess the calibration status of the specialized probe in seconds. Accuracy is ensured with ATC and an advanced sensor which completely eliminates polarization and oxidation problems. Each comes complete with probe, battery, calibration, cleaning & Cal-Check solutions.

- HI 9813-0 is supplied with probe, pH 7, 1413 µS/cm, 1500 ppm and cleaning solution sachets, battery and instructions in a protective case.
- HI 9813-5 is supplied with probe, pH 7, 1413 µS/cm, 1500 ppm and cleaning solution sachets, battery and instructions in a protective case.
- HI 9813-6 is supplied with probe, Cal-Check solution, pH 7, 1413 µS/cm, 1500 ppm and cleaning solution sachets, battery and instructions in a protective case.



Combo pH/EC/TDS/Temperature Testers

The HI 98129 and HI 98130 Combo waterproof testers offer the highest accuracy in pH, EC/TDS and temperature measurements with a single tester. pH and EC/TDS measurement combined is technically very difficult to achieve, and HANNA is the only company in the world that was able to solve the challenges of combined measurement in a tester.

- HI 98129 Combo & HI 98130 Combo are supplied with protective cap, electrode removal tool, batteries and instructions.

Item #	Description	Price
34-0809	HI 98127 pHep4	\$79.00
34-0842	HI 98128 pHep5	\$89.00
34-0802A	HI 9813-0 Meter	\$176.00
34-0802B	HI 9813-5 Meter	\$207.00
34-0802C	HI 9813-6 Meter	\$207.00
34-0817	HI 98129 Combo	\$148.00
34-0816	HI 98130 Combo	\$148.00

MISC. SUPPLIES



Solutions

Clean the liquid junction of your electrodes once a day or at least once a week to prevent clogging and to maintain accuracy. Immerse the electrode in the proper cleaning solution for about 5 minutes.

HANNA instruments offers a wide range of cleaning solutions, for general purpose and specific applications, to eliminate all kinds of dirt or deposits from the electrode, and thus ensures correct measurements.

The cleaning solutions are available in 20 mL sachets, or 230 and 500 mL bottles, both standard and FDA types.

Item #	Description	Qty Um	Price
34-0810	HANNA HI7004L PH 4.01 BUFFER SOLUTION 460ML	BT	\$11.80
34-0811	HANNA HI7007L PH 7.01 BUFFER SOLUTION 460ML	BT	\$11.80
34-0812F	HANNA HI8010L PH 10.0 BUFFER SOLUTION 500ML	EA	\$18.50
34-0841	HANNA HI77400P BUFFER SOLUTION 20ML 5/PK	EA	\$12.30
34-0847	HANNA HI7039L CONDUCTIVITY SOLUTION 460ML	EA	\$16.40
34-0848	HANNA HI7031M CONDUCTIVITY SOLUTION 230ML	BT	\$10.30
34-0813	HANNA HI7031L CONDUCTIVITY SOLUTION 460ML	BT	\$12.30
34-0807	HANNA HI77100P EC & PH CALIBRATION SOLUTION 20ML 10/PK	EA	\$22.60
34-0826	HANNA HI70300M STORAGE SOLUTION 230 ML	EA	\$10.30
34-0805	HANNA HI70300L STORAGE SOLUTION 460ML	EA	\$12.30
34-0806	HANNA HI7061L ELECTRODE CLEANING SOLUTION 460ML	EA	\$13.40

Accessories | Redington



Redington Hour Meter

With the Redington model 710 hour and minute meters it's easy to monitor how long your heaters or boilers are running. The meters can be wired directly into the thermostat and will allow you to monitor what it actually costs to heat individual zones or greenhouses. Monitoring made easy! Easy installation, tough Lexan case, large readable figures.



Item #	Description	Price
34-0544	Redington Hour Meter	\$50.02

MISC. SUPPLIES

Visit www.bfgsupply.com for information on our annual Buyers' Days!

Motorola Two-way Radios and Accessories

Motorola Two-Way Radios are a great way to improve communication, increase productivity and efficiencies without incurring any monthly fees. XTN & CLS series radios were developed to be easy to use, affordable and compact to provide instant communication at the push of a button. They are built for business use and to withstand the tough environments you encounter. Plus, they are backed by a one year over-the-counter exchange warranty.

Radio Features	XU1100	XU2100	XU2600	XV1100	XV2100	XV2600	CLS1110	CLS1410
Item #	18-0170	18-0169	18-0171	18-0167	18-0166	18-0168	18-0172	18-0173
Frequency Band	UHF	UHF	UHF	VHF	VHF	VHF	UHF	UHF
Power/Watts	1Watt	2 Watts	2 Watts	1 Watt	2 Watts	2 Watts	1 Watt	1 Watt
Channels	1	1	6	1	1	6	1	4
Frequencies - pre-programmed Interference Eliminator Codes (PL / Digital PL)	56 38/83	56 38/83	56 38/83	27 38/83	27 38/83	27 38/83	56 38/83	56 38/83
Coverage -Sq. Ft. *	Up to 200,000	Up to 250,000	Up to 250,000	Up to 150,000	Up to 180,000	Up to 180,000	Up to 200,000	Up to 200,000
Battery Life -(between charges)	15	13	13	15	13	13	12	12
Cloning capability**	Y	Y	Y	Y	Y	Y	Y	Y
Scan	N	N	N	N	N	N	N	N
Wt. (oz.)	9.8	9.8	9.8	9.9	9.9	9.9	4.6	4.6
Warranty	1yr.	1yr.	1yr.	1yr.	1yr.	1yr.	1yr.	1yr.
Price	\$264.12	\$280.63	\$322.82	\$232.94	\$245.78	\$293.47	\$210.93	\$238.44

* All ranges depend on surrounding terrain and conditions.

Note: High powered radios are available.

Radio comes complete with:

 \$40.35
 \$22.86
 \$11.45
 \$16.51

Note: CLS1110 & CLS1410 include battery, holster, charging tray, adapter & radio, but are not pictured above.

XTN Series product line will be discontinued by March 31, 2008 and will be replaced with the RDX Series starting September 1, 2007. RDX Series is backwards compatible.



\$314.56

The MOC4600i is designed to improve customer service by allowing your employees the flexibility to attend to different areas of the store while still being connected and available to those who need them. You can record a message into the unit and any time a customer presses the button, you will hear the message over your two-way radio. Placed in strategic areas (will call, cash register, greenhouses, etc.) your employees can attend to the needs of your customers quickly.

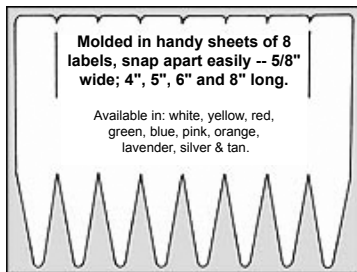
Accessories are key to assisting in great communication.

 53879 Multi-Unit Charging Tray \$275.13
 53862 Remote Speaker Microphone \$64.20
 53866 Earbud with Clip Push-To-Talk Button & Microphone \$64.20
 53871 NiMH Rechargeable Battery \$40.35

MISC-SUPPLIES



M-12-B Marker



Did you know that BFG's automatic notification system can provide you with order confirmations, changes in order status, and ship dates? Set up your S.M.A.R.T. Connect profile today at www.bfgsupply.com

Product Labeling

Item #	Description	Color	Count	U/M	Price
16-0200	M-5-B MARKER	WHT	250	BX	\$38.30
16-0202	M-8-B MARKER	WHT	100	BX	\$42.36
16-0204	M-12-B MARKER	WHT	100	BX	\$63.40
16-0216	M-13-B MARKER	WHT	100	BX	\$105.54
16-0217	M-35-B MARKER	WHT	100	BX	\$74.28
16-0218	EX-10-B EXTENSION	WHT	100	BX	\$32.45
16-0212	T-1-B TAG	WHT	500	BX	\$62.26
16-0206	S-4.5-B STAKE	WHT	1000	BX	\$61.93
16-0208	S-6-B STAKE	WHT	500	BX	\$72.10
16-0210	S-12-B STAKE	WHT	100	BX	\$51.90
16-0230	L-4 4IN LABEL	WHT	1000	BX	\$38.83
16-0230B	L-4 4IN LABEL	BLU	1000	BX	\$38.83
16-0230G	L-4 4IN LABEL	GRN	1000	BX	\$38.83
16-0230L	L-4 4IN LABEL	LAV	1000	BX	\$38.83
16-0231	L-4 4IN LABEL	RED	1000	BX	\$38.83
16-0231B	L-4 4IN LABEL	ORANGE	1000	BX	\$38.83
16-0231C	L-4 4IN LABEL	PINK	1000	BX	\$38.83
16-0259	L-4 4IN LABEL	YEL	1000	BX	\$38.83
16-0232	L-5 5IN LABEL	WHT	1000	BX	\$45.42
16-0232P	L-5 5IN LABEL	PINK	1000	BX	\$45.42
16-0242	L-5 5IN LABEL	GRN	1000	BX	\$45.42
16-0243	L-5 5IN LABEL	BLU	1000	BX	\$45.42
16-0244	L-5 5IN LABEL	ORANGE	1000	BX	\$45.42
16-0248	L-5 5IN LABEL	YEL	1000	BX	\$45.42
16-0249	L-5 5IN LABEL	RED	1000	BX	\$45.42
16-0250	L-5 5IN LABEL	LAV	1000	BX	\$45.42
16-0234	L-6 6IN LABEL	WHT	1000	BX	\$55.62
16-0238	L-6 6IN LABEL	GRN	1000	BX	\$55.62
16-0239	L-6 6IN LABEL	LAV	1000	BX	\$55.62
16-0240	L-6 6IN LABEL	YEL	1000	BX	\$55.62
16-0241	L-6 6IN LABEL	ORANGE	1000	BX	\$55.62
16-0245	L-6 6IN LABEL	BLU	1000	BX	\$55.62
16-0246	L-6 6IN LABEL	PINK	1000	BX	\$55.62
16-0247	L-6 6IN LABEL	SILVER	1000	BX	\$55.62
16-0251	L-6 6IN LABEL	RED	1000	BX	\$55.62
16-0252	L-8 8IN LABEL	BLU	500	BX	\$42.87
16-0253	L-8 8IN LABEL	PINK	500	BX	\$42.87
16-0254	L-8 8IN LABEL	TAN	500	BX	\$42.87
16-0255	L-8 8IN LABEL	YEL	500	BX	\$42.87
16-0256	L-8 8IN LABEL	RED	500	BX	\$42.87
16-0257	L-8 8IN LABEL	GRN	500	BX	\$42.87
16-0258	L-8 8IN LABEL	LAV	500	BX	\$42.87
16-0236	L-8 8IN LABEL	WHT	500	BX	\$42.87
16-0236O	L-8 8IN LABEL	ORANGE	500	BX	\$42.87

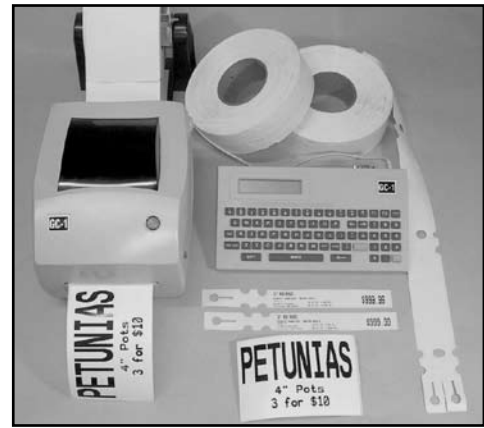


GC-1 Stand Alone Garden Center Tag & Label Printing System

The GC-1 system is a stand-alone label printing system that doesn't need to be connected to a computer though a software package is available for growers who would prefer it. Growers can print pot tags/picks, wrap-around tags for trees or hanging baskets, a small but versatile 2"x1" sticky label, a 3"x1/2" plug tray labels, and large 4"x6" signage labels. All labels and tags are waterproof and weatherproof, and will not fade in the sun. Growers can print simple description tags, their own barcodes, and weights and measures compliance labels. All of the labels and tags are now available in a wide range of colors.

Includes:

- Thermal Transfer Printer
- Keyboard Display Unit
- Up to 3 Tag/Label Formats
- Samples (Short Rolls) of Media
- Head Cleaning Pen and Instruction Manual



Item #	Description	Price
16-0400	RSC GC-1 Garden Center Printer with small keypad	\$1,243.30
16-0401	RSC GC-1 Garden Center Printer with large keypad	\$1,339.08
16-0401A	RSC GC-1 Large keypad or Garden Center Printer	\$295.02
16-0402	RSC GC-1 Printer carrying case	\$151.34
16-0403	RSC GC-1 Printer Labelview basic software	\$349.21
16-0403A	RSC GC-1 Printer Labelview Pro software	\$726.05
16-0404	RSC GC-1 Rechargeable battery pack	\$400.38
16-0406	RSC GC-1 Thermal Printhead	\$295.02
16-0405	RSC GC-1 3/4" x 5" 3-across pot stakes white 1500/roll	\$50.92
16-0405A	RSC GC-1 3/4" x 5" white 4-across pot stakes 2000/roll	\$67.89
16-0410	RSC GC-1 1" x 7" 2-across wrap around tag 1400/roll	\$51.72
16-0411	RSC GC-1 1" x 10" wrap around tag with 2" tear off 1000/roll	\$51.72
16-0412	RSC TX107IT white 1" x 7" label 2000/roll	\$51.99
16-0415	RSC GC-1 2" x 1" waterproof vinyl label, white 1380/roll	\$26.99



Item #	Description	Price
16-0417	RSC GC-1 3" x 1/2" vinyl plug tray label white 2500/roll	\$34.14
16-0418	RSC GC-1 4" x 6" tall vinyl outside sign labels 1000/roll	\$55.56
16-0420	RSC GC-1 label stand/unwinder	\$44.06
16-0425A	RSC GC-1 3.3" x 224' transfer ribbon black	\$11.49
16-0425B	RSC GC-1 4.3" x 244' transfer ribbon black	\$16.61
16-0425C	RSC GC-1 3.3" x 244' transfer ribbon red	\$19.81
16-0425D	RSC GC-1 3.3" x 244' transfer ribbon blue	\$19.81
16-0425E	RSC GC-1 3.3" x 244' transfer ribbon green	\$19.81
16-0425F	RSC GC-1 3.3" x 244' transfer ribbon brown	\$19.81

BFG's Technical Services Division is your one-stop shop for answers, advice, and all the structures, equipment, and irrigation supplies you need!



MISC. SUPPLIES

UNITED LABEL & SALES CO.

United Label provides high quality lables in a wide variety of shapes , sizes, materials and options to fit your needs in creating a great looking label.



Thermal Pot Tags



Impress-O Tags

Thermal Pot Tags

Item #	Description	Size (Width x Height)	Color	Quantity Roll/Case	U/M	Price Per Roll
16-0049	ECON FT20052 WHT	1-7/8 x 9/16 (1.875 x 0.5625)	WHT	15M/60M	RL/CS	\$112.64
16-0070	ECON LABEL PX5151T WHT	1 x 5	WHT	1M/8M	RL/CS	\$34.68
16-0191	ECON LABEL PX5157T WHT	3/4 x 5	WHT	2M/16M	RL/CS	\$56.13

Impress-O Tags

Item #	Description	Size	Quantity	U/M	Price
16-0189	ECON IMPRESS O TAG	1" x 3.5"	100	BX	\$27.65

SPECIAL NOTE: Please allow adequate drying time to prevent running, smearing, or fading of hand written labels.

Moss | Mosser Lee



Moss

Item #	Description	Count	U/M	Price
10-0082	Sphagnum Moss	3.5 CF	BL	\$29.94
10-0083	NoDampOff Sphagnun Seed Starter	2 CF	BL	\$22.74
10-0084	Sheet Moss	2.4 CF	BL	\$79.63
10-0085	Mosser Lee Long Fiber Moss	3.5 CF	BL	\$29.65
10-0086	Murphys Long Fiber Sphagnum Moss	2 CF	BL	\$17.90
35-2007	Long Fibered Sphagnum Moss	2 CF	BL	\$18.50
35-2008	Spanish Moss	2.4 CF	BL	\$49.44
35-2009	Mosser Lee 12" Living Wreath	6	CS	\$75.89

Because of the unique qualities of sphagnum moss, it can be used to line hanging baskets, to mix with soil, to root bulbs and cuttings, to air layer plants and to keep roots moist and cool when transplanting. Sphagnum moss can absorb and retain up to 20 times its weight in water and will help retain moisture in the soil.