

Greetings,

I know many of you will be making your decisions based off of the spray/drench program published in the past. On the drench program last year, we modified it somewhat and wanted to share the modifications with you.

The idea behind the changes was to take the Clearies 3336 out of the program totally as it is the worst of products on the "beneficials". We replaced it with Pageant/Pristine. We also wanted to rotate the Subdue out with another material as we have heard that some strains of Pythium have become resistant. In its place, we rotated in some Ranman. Its rate is 3 oz. - 100 gal. Also check the Segway label; it's the same product and it lists crown rot/rhizoctonia also.

The worst part is the cost. The Clearies replacement (Pageant/Pristine) is very cost prohibitive. I would probably use it early when drench volumes are low, and continue with Clearies or TMIP later in the season.

There is a sub for Medallion this year in a liquid called Emblem. It's the same product, but about 30% cheaper when you do the math.

On the foliar side, we incorporated some Pageant/Pristine in for some Downey Mildew rotation along with Ranman and Subdue. You will see some leaf discoloration with Pageant, but the plants will grow through it. We are seeing a lot of undiagnosed Downey Mildew problems. Rotation is the key here. It takes way less volume of these materials to spray than it does to drench, so they aren't so cost prohibitive.

On the insecticide side, we started using a new product called XXpire as it is better on aphids, whitefly, and thrips. The label doesn't say beetles, but it worked for me. It could have been carry-over from previous apps; I don't want to say for sure. This isn't classified as a neonicotinoid, so it makes for a good rotational tool with the pyrethroids & neonicotinoids of the world. It's also "supposed" to be softer on the beneficials. Currently, we don't know if it will be available this year as the EPA has suspended sales of this product for further testing - too bad.

As always, follow the labels and use all products as directed.

2016 SPRAY / DRENCH SCHEDULE

Week	Foliar Spray Rotation	Drench + Your Choice of Fertilizer and Biologicals
Planting Week	Daconil, Companion	Companion, Fish, Pageant, Liquid Mycos, 11-52-6 Watered In. Also dry to site, 3 pinches of granular Merit .5 G
Week 1	Cease, Talstar	Rootshield WP watered in
Week 2	Talstar, Daconil, Pageant Mid Week: Companion	Ranman, Medallion
Week 3	Xpire, Daconil, Companion Mid Week: Essential	Subtilex, Rootshield WP
Week 4	Agrifos, Manzate, Talstar	Mycos Liquid, Rootshield WP, Micro Nutrients
Week 5	Talstar, Daconil, Cease Mid Week: Essential, Companion, Venom	Companion, Agrifhos, Pageant
Week 6	Talstar, Phyton, Quintec Mid Week: Recover, Merit	Essential, Mycos, Subdue
Week 7	Pageant, Venom Mid Week: Essential, Companion	Micro Nutrients
Week 8	Talstar, Phyton, Quintec Mid Week: Recover RX	Ranman, Medallion, Rootshield WP
Week 9	Venom, Quintec, Daconil Mid Week: Essential, Companion	Companion, Agrifos, Subtilex, Subdue
Week 10	Talstar, Pageant, Cease Mid Week: Essential	Mycos, Rootshield WP, Micro Nutrients
Week 11	Xpire, Daconil, Cease, Ranman Mid Week: Recover Rx, Companion	Agrifos, Pageant
Week 12	Talstar, Daconil, Quintec, Subdue	Companion, Mycos Mid Week: Rootshield WP
Week 13	Xpire, Daconil, Phyton, Quintec	Ranman, Medallion, Subtilex
Week 14	Talstar, Pageant	Companion, Mycos
Week 15	Agrifos, Manzate, Xpire	Truban, Pageant
Week 16	Talstar, Ranman, Cease	Essential
Week 17	Xpire, Daconil, Quintec	Ranman, Companion
Week 18	Talstar, Cease, Quintec	Agrifos
Week 19	Talstar, Daconil, Agrifos, Manzate	Subdue

AS ALWAYS, FOLLOW LABEL INSTRUCTIONS AND USE ALL PRODUCTS AS DIRECTED

*DISCLAIMER: Tim Parks and the Ohio Valley Giant Pumpkin Growers are not liable for any personal injuries or crop loss due to the use and handling of these products and this program.

Last Year's Spray Program				
Transplant		Merit + Deadline	Foliar Rates (per gal of water)	
12-May	Week 1	Talstar + Daconil	Talstar (Bisect)	1/4 oz.
19-May	Week 2	Talstar + Daconil	Merit (Bayer Tree & Shrub)	2 tsp
26-May	Week 3	Talstar + Daconil		
2-Jun	Week 4	Talstar + Daconil + Cease	Eagle	1/2 tsp
9-Jun	Week 5	Safari + Daconil + Companion	Quadriz	2 tsp
16-Jun	Week 6	Safari + Agrifos + Manzate	Chipco26019/ Clearys 3336	1/4 oz
23-Jun	Week 7	Talstar + Phyton 27		
30-Jun	Week 8	Talstar + Daconil + Cease	Manzate	3/4 oz
7-Jul	Week 9	Merit + Chipco 26019/Clearys 3336	Quintec	3/4 tsp
14-Jul	Week 10	Talstar + Daconil + Phyton 27	Safari	1/4 tsp
21-Jul	Week 11	Merit + Daconil + Quintec + Companion	Daconil	1 2/3 tsp
28-Jul	Week 12	Talstar + Agrifos + Manzate	Phyton 27	1 oz.
4-Aug	Week 13	Merit + Daconil + Cease	Cease	1 1/2 oz.
11-Aug	Week 14	Talstar + Daconil + Quintec	Agrifos	4 tsp
18-Aug	Week 15	Merit + Daconil + Phyton 27	Companion	1 tsp
25-Aug	Week 16	Talstar + Agrifos + Quintec + Manzate		
1-Sep	Week 17	Talstar + Chipco 26019/Clearys 3336 + Subdue		
8-Sep	Week 18	Talstar + Daconil + Quintec		

***Use Induce Spreader Sticker in all sprays.**

***Starting in June- Spray Talstar or Merit between sprays if an outbreak of cucumber beetles arrives.**

Last Year's Drench Program				
			Drench Rates (per 100 gal water/per 1,000 sq. ft.)	
2-Jun	Week 4	Subdue + Medallion		
23-Jun	Week 7	Adorn + Agrifos + Companion + Heritage	Subdue	1 oz.
			Medallion	11/2 oz.
14-Jul	Week 10	Subdue + Medallion	Terrazole	5 oz
21-Jul	Week 11	Companion + Agrifos	Quadriz	1Tbsp
4-Aug	Week 13	Adorn + Agrifos + Chipco 26019/Clearys 3336	Adorn	2 1/2 oz.
			Companion	16 oz.
25-Aug	Week 16	Terrazole + Heritage	Chipco 26019/Clearys 3336	14 oz.
8-Sep	Week 18	Subdue + Agrifos + Chipco 26019/Clearys 3336	Agrifos	12 oz.
			Heritage	1/2 oz.

*SPRENCING: Combination of spray and drench. Starting in July (after significant rain), apply Terrazole to the vines and leaf petioles (stems) every 2-3 weeks. Use a cone hose nozzle or other means to thoroughly wet the area. This prevents rot at the base of the petiole (intersection of the vine).

*Square footage equals length x width of the patch

*These rates are based on 1 pint of drench material per square foot or 100 gallons drench material per 1,000 sq. ft.

*Be sure to cover the entire root zone.

* Water in with 40 gallons clear water per 1,000 sq. ft.

Conversion: Multiply ounces by 2 = Tbsp(liquid) Multiply ounces by 3 = Tbsp(dry)

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Name: _____

Date: _____

2015 Giant Pumpkin Grower Supplies Early Order Form

Parks Garden Center

9010 Youngstown-Salem Road, Canfield, Ohio 44406

Phone: 330-533-7278 Fax: 330-533-8987 E-mail: parksgardencenter@aol.com

Biostimulant Products	Pkg.	Description	Price	Qty	Total
Actinovate	18 oz	4 oz per 100 gal drench	\$98.00		
Calcarb	6 oz		\$25.00		
Humic Acid (granular)	501b	Greensmiths	\$28.00		
Humic Acid (granular)	501b	40+ bags	\$23.00		
Rootshield Plus (granulated)	5 1b	"Shield" your roots from damaging fungi	\$63.95		
Rootshield WP	3 1b		\$98.00		
RTI Azos (Nitrogen Fixing Bacteria)	12 oz	Covers 2,000 sq. ft.	\$40.00		
RTI Mycos WP	2.2 lb	Water Soluble Mycorrhizae	\$84.00		
Symbois (formerly Pumpkin Pro)	5 lb	Mycorrhizae	\$52.00		
RTI Granular	10 lb	2-4 lb per plant	\$85.00		
Liquid Azos	16 oz	Nitrogen Fixing Bacteria 12 oz per acre	\$68.00		
Liquid Mycorrhizae	8 oz	1 oz per 1,000 sq. ft.	\$82.00		
Liquid Mycorrhizae	1 Gal	Coming Soon...			
WOW Wonder Brew Compost Tea	80 gram	Makes Liquid Fertilizer and Soil Accelerator	\$29.00		
WOW Wonder Brew Compost Tea	500 gram	Makes 25 Gal of Brew	\$82.00		
Fertilizers	Pkg.	Description	Price	Qty	Total
Brexil Calcium WP	5 1b	0.5 oz per 1,000 sq. ft. sprayable	\$58.00		
Calcium Nitrate	50 lb	dry or sprayable	\$28.00		
K-Mag	50 lb	0-0-22	\$36.65		
Kelp	50 1b	Granular - North Atlantic	\$43.50		
Sulphate of Potash	50 lb	0-0-50	\$36.65		
Liquid Calcium	2.5 Gal		\$40.00		
Neptune's Fish Emulsion	1 Gal		\$31.00		
Neptune's Fish Emulsion	5 Gal		\$135.00		
Neptune's Seaweed	1 Gal	Liquid Kelp	\$32.00		
Neptune's Seaweed	5 Gal		\$140.00		
Crab Shell	50 1b		\$65.00		
Insecticides	Pkg.	Description	Price	Qty	Total
Slug & Sndil	21b	Slug Bait Pellets	\$9.95		
Generic Merit 75 WSP	6.4 oz		\$29.00		
Generic Merit	1 Gal		\$70.00		
Generic Merit .5 Granular	30 lb	20,000 sq. ft. coverage	\$29.00		
Generic Talstar	1 Gal	basic insecticide	\$48.00		
Safari Systemic Insecticide	64 oz	(liquid cone, w/ Miracle Grow 5-5-5 fert.)	\$15.95		
Venom Systemic Insecticide	lib	3X same active ingredient as Safari	\$150.00		
Xxpire (if available)	lib	New Chemistry 2.75 oz. per 100 gal	\$228.00		

Fungicides	Pkg.	Description	Price	Qty	Total
Abound (substitute for Quadris)	1 Gal	Spray or Drench	\$310.00		
Adorn (New Chemistry)	1 Quart	For Pythium/Phytophthora	\$395.00		
Captan	5 lb	Fungicide Paste for Wounds	\$34.00		
Cease	1 Gal	Bacterial Spray	\$67.00		
Cleary 3336 Granular	30 lb	Fusarium Control - 2,000 sq. ft.	\$54.00		
Companion	1 Quart	Spray & Drench	\$33.00		
Companion	1 Gal		\$122.00		
Eagle (powdery mildew)	1 Pint	1/10 oz for 1,000 sq. ft.	\$43.00		
Generic Daconil	5 lb	Weekly Fungicide	\$46.00		
Heritage	4 oz	0.5 oz per 100 gal	\$124.00		
K-Leaf (super low salt agri-fos)	2.5 Gal	For Pythium/Phytophthora	\$90.00		
Manzate 75 DF	61b	Sprayable Fungicide	\$39.00		
Medallion (Fusarium Drench) 50%	8 oz	1.5 oz per 100 gal	\$180.00		
Emblem 40.5% (liquid Medallion)	1 Pint	1-2 oz per 100 gal	\$250.00		
Pageant	lib	Pythium Rhizoctonia Fusariums 14oz/100	\$129.00		
Phyton 35 (new dimension)	33 oz	Better Copper Spray	\$85.00		

Fungicides Continued	Pkg.	Description	Price	Qty	Total
Quintec (powdery mildew)	30 oz	0.5 oz per 5 gal	\$124.00		
Ranman	1 Quart	Pythium Drench/Downy Mildew 3oz/100	\$250.00		
Subdue Maxx	1 Quart	Pythium Drench	\$170.00		
Subdue Granular	25 lb	8,000 sq. ft. coverage	\$140.00		
T-Methyl F	2.5 Gal	Liquid Clearys	\$185.00		
T-Methyl + Chipco 26019	1 Gal.	Combo for Drip Systems	\$183.00		
Topsin 70 WP	5 lb	AG for Clearys	\$56.00		
Truban 30 (Pythium Drench)	21b	6 oz/1,000 sq. ft. replaces Terrazole	\$85.00		

Items from Growth Products	Pkg.	Description	Price	Qty	Total
Essential Bio Stimulant	1 Gal	"Feed your Microbes"	\$75.00		
Essential Bio Stimulant	2.5 Gal		\$167.00		
Fungicide TKO Phosphite 0-29-26	2.5 Gal	Stimulates disease resistance	\$105.00		
Fertilizer Recover Rx 3-18-18	2.5 Gal	like above but adds phosphate	\$58.00		
Liquid Potassium	2.5 Gal	0-0-25	\$50.00		
MicroTech CT (don't mix with others)	2.5 Gal	Manganese Zinc Boron package	\$44.00		
Micrel Total	2.5 Gal	8 micronutrients package	\$95.00		
Nitro 22	2.5 Gal	40% smart Nitrogen	\$29.00		
Cal Mag Max	2.5 Gal	4% chelated Calcium 2% Magnesium	\$85.00		

Research at www.growthproducts.com Check out Cuberick Program

Misc. Products	Pkg.	Description	Price	Qty	Total
Fafard 3B Prof. Growing Media	2.8 cu ft	1-4 bags	\$15.95		
Fafard 3B Prof. Growing Media	2.8 cu ft	5+ bags	\$15.45		
Fafard Superfine Germinating Mix	2.8 cu ft		\$19.95		
Peat Moss	3.8 cu ft		\$10.25		
Perlite - Coarse	4 cu ft		\$16.95		
Vermiculite - Medium	4 cu ft		\$18.95		
Hi-Yield Spreader Sticker	16 oz		\$7.95		
Induce Spreader Sticker	1 G	Excellent Sticker	\$38.50		
Mighty Mustard 'Pacific Gold'	4 1b	Biofumigant for soil borne disease	\$25.50		
Mighty Mustard 'Ida Gold'	4 1b	Biofumigant for weed seed control	\$25.50		
<i>(Mustard Seeding Rate: 1/2 lb per 1,000 sqft)</i>					
Hairy Vetch (weed prevention)	lib	Covers 3,500 sq ft per pound	\$12.95		
Pen-A-Trater Tillage Radish	1 lb	Covers 4,000 sq ft per pound	\$13.95		
Round Up Custom	2.5 G	Low Drift Formula	\$79.00		
Strike Out Loaded	2.5 G	(generic roundup—46 % glyphosate)	\$60.00		
Wolf Garten Extendable Handle Stirrup Hoe			\$60.00		

Order Subtotal: _____
7.25% Sales Tax: _____
Order Total: _____
Payment Method: _____

For our out of town grower, early orders placed by February 19th can be picked up at Parks Garden Center on Saturday, March 14, 2016; the same day as the advanced seminar also in Canfield, OH. **All orders placed after February 19th for pickup March 14 will be subject to a 10% late handling fee.** A second order period from March 1st to March 24th can be placed at the early order pricing for pick up on April 13th. This second order is contingent upon availability. Some products, humic acid and kelp in particular, sell out quickly.

The Following products are also available at Parks Garden Center: pelletized dolomitic lime, fertilizer, pre and post emergent herbicides (to keep your patch clean), gypsum, giant pumpkin grower books, remay, bolk and bagged mushroom compost, mulch, and pots.

Please add 7.25% Ohio Sales Tax to all orders. Thank you!

Shipping is now available from our warehouse. Rates available upon request.

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Grower Name: _____ **Phone:** _____
Address: _____ **Email:** _____

Received by: _____ **Date:** _____