

XIV. PRODUCTS

CATEGORY A (SELECTIVE HERBICIDES)

Item 1: Drive XLR8 selective herbicide for the control of many broadleaf and grass weeds.

Active Ingredients:	
Quinclorac: 3,7-dichloro-8-quinolinecarboxylic acid	15.93%
Inert Ingredients	84.07%

Approximate annual usage	585 gals.	
Preferred Packaging	1/2 gal. containers	
Net Unit Price	\$ <u>60.00</u> / 1/2 gal.	
Packaging: container size	<u>4x.5gal</u>	# containers/carton

Manufacturer and Trade Name BASF- Drive XLR8

Item 2: Rodeo. A selective herbicide used in the control of weeds. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:	
Isopropylamine salt of glyphosate	53.5%
Inert Ingredients	46.5%

Approximate annual usage	1200 gals.	
Preferred Packaging	2 1/2 gal. container	
Net Unit Price	\$ <u>18.9</u> / gal.	
Packaging: container size	<u>2x2.5 gal</u>	# containers/carton

Manufacturer and Trade Name DOW- Rodeo

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Item 3: Sencor turf label or approved equal. A selective herbicide used in the control of goosegrass and some broadleaf weeds.

Active Ingredients:

Metribuzin 75.0%

Inert Ingredients 25.0%

Approximate annual usage 1050 lbs.

Preferred Packaging 5 lb. container

Net Unit Price \$ 71.99 /lb.

Packaging: container size 4x5 lb # containers/carton

Manufacturer and Trade Name Bayer - Sencor T&O

Item 4: Roundup ProMax. A non-selective herbicide used for the control or destruction of most herbaceous plants. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Glyphosate, N-(phosphonomethyl) glycine 48.7%

In the form of its potassium salt

Inert Ingredients 51.3%

Approximate annual usage 1400 gals.

Preferred Packaging 1.67 gal container

Net Unit Price \$ 32.90 /gal.

Packaging: container size 2X1.67 gal # containers/carton

Manufacturer and Trade Name Monsanto - Roundup Pro Max

HELENA CHEMICAL CO

Item 5: Roundup ProMax. A non-selective herbicide used for the control or destruction of most herbaceous plants. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.** NOTE: Same as above item but different packaging.

Active Ingredients:
Glyphosate, N-(phosphonomethyl) glycine 48.7%
In the form of its potassium salt
Inert Ingredients 51.3%

Approximate annual usage 1000 gals.
Preferred Packaging 30 gal drum
Net Unit Price \$ 30.00 /gal.
Packaging: container size 30 gal drum # containers/carton

Manufacturer and Trade Name Monsanto - Roundup Pro Max

Item 6: Ranger Pro. A complete broad-spectrum postemergence professional herbicide for industrial, turf, and ornamental weed control. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:
Glyphosate, N-(phosphonomethyl) glycine,
In the form of its isopropylamine salt 41.0%
Inert Ingredients (including surfactant) 59.0%

Approximate annual usage 3180 gals.
Preferred Packaging 2 1/2 gal container
Net Unit Price \$ 12.00 /gal.
Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name Monsanto - Ranger Pro

HELENA CHEMICAL CO

Item 7: Ranger Pro. A complete broad-spectrum postemergence professional herbicide for industrial, turf, and ornamental weed control. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT. NOTE: Same as above item but different packaging.**

Active Ingredients:

Glyphosate, N-(phosphonomethyl) glycine,

In the form of its isopropylamine salt

41.0%

Inert Ingredients (including surfactant)

59.0%

Approximate annual usage 630 gals.

Preferred Packaging 30 gal drum

Net Unit Price \$ 11.50 / gal.

Packaging: container size 30 gal drum # containers/carton

Manufacturer and Trade Name Monsanto - Ranger Pro

Item 8: Garlon 3A or approved equal. A selective herbicide used for the control of weeds.

Active Ingredients:

Acetic acid, (triclopyr), butoxy ethyl ester

61.6%

Inert Ingredients

38.4%

Approximate annual usage 110 gals.

Preferred Packaging 2 1/2 gal. container

Net Unit Price \$ 52.33 / gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name DOW - Garlon 3A

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Item 9: 2,4-D or approved equal. A selective herbicide used for the control of many broadleaf weeds.

Active Ingredients:

2,4-D Dimethoxyacetic Acid	47.4%
Inert Ingredients	52.6%

Approximate annual usage	240 gals.	
Preferred Packaging	2 1/2 gal container	
Net Unit Price	\$ 13.00 / gal.	
Packaging: container size	2x2.5 gal	# containers/carton

Manufacturer and Trade Name Nufarm - Weedar 64

Item 10: Three-Way or approved equal. Broad spectrum weed killer used for the control of weeds in Bermuda grass.

Active Ingredients:

Dimethylamine Salt of 2,4 dichlorophenoxyacetic acid	32.67%
Dimethylamine Salt of 2-propionic acid	16.36%
Dimethylamine Salt of Dicamba	2.82%
Inert Ingredients	48.15%

Approximate annual usage	400 gals.	
Preferred Packaging	2 1/2 gal. containers	
Net Unit Price	\$ 35.19 / gal.	
Packaging: container size	2x2.5 gal	# containers/carton

Manufacturer and Trade Name Helena - Endrun

HELENA CHEMICAL CO

Item 11: Image or approved equal. A selective herbicide for use on Bermuda grass.

Active Ingredients:

Ammonium Salt of imazaquin	17.3%
Inert Ingredients	82.7%

Approximate annual usage	460 ozs.
Preferred Packaging	11.43 oz. bottles
Net Unit Price	\$ <u>109.00</u> /11.43 oz. bottle
Packaging: container size	<u>10 x 11.43 oz bottles</u> # containers/carton

Manufacturer and Trade Name BASF - Image

Item 12: Surflan or approved equal. A selective herbicide for use in controlling most annual grass and certain broadleaf weeds.

Active Ingredients:

Oryzalin	40.4%
Inert Ingredients	59.6%

Approximate annual usage	100 gals.
Preferred Packaging	2 1/2 gal. container
Net Unit Price	\$ <u>44.00</u> /gal.
Packaging: container size	<u>2x2.5 gal</u> # containers/carton

Manufacturer and Trade Name UPI - Surflan T & O

Item 13: Ronstar granular or approved equal. A selective herbicide for use on Bermuda and St. Augustine grass.

Active Ingredients:

Oxadiazon	2.0%
Inert Ingredients	98.0%

Approximate annual usage	75,500 lbs.
Preferred Packaging	50 lb. bags
Net Unit Price	\$ <u>1.45</u> /lb.
Packaging: container size	<u>50 lb bag</u> # containers/carton

Manufacturer and Trade Name Bayer - Ronstar G

Item 14: Barricade or approved equal. A selective herbicide used for the control of weeds.

Active Ingredients:

Prodiamine 65.0%

Inert Ingredients 35.0%

Approximate annual usage 850 lbs.

Preferred Packaging 10 lb. bag

Net Unit Price \$ 8.66 /lb.

Packaging: container size 4x5 lb # containers/carton

Manufacturer and Trade Name Syngenta - Resolute 65WG

Item 15: Basagran or approved equal. A selective herbicide used for the post emergence control of many broadleaf weeds.

Active Ingredients:

Bentazon 42.0%

Inert Ingredients 58.0%

Approximate annual usage 100 gals.

Preferred Packaging 1 gal. container

Net Unit Price \$ 95.00 /gal.

Packaging: container size 4x1 gal # containers/carton

Manufacturer and Trade Name BASF - Basagran

Item 16: Pre-M or approved equal. Pre-emergent weed killer used for the control of weeds in Bermuda grass.

Active Ingredients:

Pendimethalin 60.0%

Inert Ingredients 40.0%

Approximate annual usage 400 gals.

Preferred Packaging 2 ½ gal. container

Net Unit Price \$ 34.38 /gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name BASF - Pendulum 3.3EC

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Item 17: Pre-M or approved equal. Pre-emergent weed killer used for the control of weeds in Bermuda grass.

Active Ingredients:

Pendimethalin 60.0%

Inert Ingredients 40.0%

Approximate annual usage 600 lbs.

Preferred Packaging 40 lb. bags

Net Unit Price \$ 1.40 /lb.

Packaging: container size 50 lb bag # containers/carton

Manufacturer and Trade Name BASF - Pendulum 2G

Item 18: Reward (formerly diquat) or approved equal. A selective herbicide used for the control of many aquatic weeds.

Active Ingredients:

Dibromide 35.3%

Inert Ingredients 64.7%

Approximate annual usage 2,700 gals.

Preferred Packaging 2 1/2 gal. containers

Net Unit Price \$ 40.00 /gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name Syngenta - Tribune

Item 19: Sedgehammer or approved equal. Selective herbicide used for the control of nutsedge and other weeds in turfgrass.

Active Ingredients:

Methyl5-[[[(4,6-dimethoxy-2-pyrimidinyl) amino] carbonylaminosulfonyl]
-3-chloro-1-methyl-1-H-pyrazole-4-carboxylate 75.0%

Inert Ingredients 25.0%

Approximate annual usage 900 ozs.

Preferred Packaging 1 1/3 oz. container

Net Unit Price \$ 78.54 /1 1/3 oz. container

Packaging: container size 10 X 1.33oz # containers/carton

Manufacturer and Trade Name Nufarm - Halosulfuron Pro

Item 20: Solitaire or approved equal. Selective weed control in turf including residential, commercial and institutional lawns, athletic fields, commercial sod farms, golf courses, and other non-crop sites..

Active Ingredients:

Sulfentrazone	18.75%
Quincloracc	56.25%
Inert Ingredients	25.0%

Approximate annual usage	50 lbs.
Preferred Packaging	1 lb. container
Net Unit Price	\$ <u>105.00</u> / 1 lb. container
Packaging: container size	<u>6x1 lb</u> # containers/carton

Manufacturer and Trade Name FMC - Solitare

Item 21: Trimec Plus or approved equal. A selective herbicide.

Active Ingredients:

Monosodium Acid Methanearsonate	18.00%
Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid	5.83%
Dimethylamine Salt of 2-(2-methyl-4 chlorophenoxy) Propionic Acid	5.86%
Dimethylamine Salt of Dicamba (3,6 Dichloro-O-anisic acid)	1.46%
Inert Ingredients	68.85%

Approximate annual usage	100 gals.
Preferred Packaging	2 1/2 gal. containers
Net Unit Price	\$ <u>NO BID</u> / gal.
Packaging: container size	<u>NO BID</u> # containers/carton

Manufacturer and Trade Name NO BID

Item 22: Finale or approved equal. A non-selective water soluble herbicide for application as a foliar spray for control of a broad spectrum of emerged annual and perrenial grass and broadleaf weeds.

Active Ingredients:

Glufosinate-ammonium	11.33%
Inert Ingredients	88.67%

Approximate annual usage	160 gals.
Preferred Packaging	2 1/2 gal. containers
Net Unit Price	\$ <u>54.00</u> / gal.
Packaging: container size	<u>2X2.5 gal</u> # containers/carton

Manufacturer and Trade Name Bayer - Finale

Item 23: Pendulum 3.3 EC or approved equal. A selective herbicide for control of most annual grasses and certain broadleaf weeds in non-cropland areas.

Active Ingredients:

Pendimethalin 37.4%

Inert Ingredients 62.6%

Approximate annual usage 320 gals.

Preferred Packaging 2 1/2 gal. containers

Net Unit Price \$ 34.38 / gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name BASF - Pendulum 3.3 EC

Item 24: Dismiss or approved equal. A selective weed control in turf sites including residential and institutional lawn, athletic fields, commercial sod farms, golf course fairways and roughs.

Active Ingredients:

Sulfentrazone 39.6%

Inert Ingredients 60.4%

Approximate annual usage 3,300 ozs.

Preferred Packaging 6 oz. bottles

Net Unit Price \$ 64.58 / 6 oz. bottle

Packaging: container size 12x6 oz bottles # containers/carton

Manufacturer and Trade Name FMC - Dismiss

Item 25: Dismiss South or approved equal. A selective weed control in turf sites including residential and institutional lawn, athletic fields, commercial sod farms, golf course fairways and roughs. For use on warm season turfgrass, excluding St. Augustine.

Active Ingredients:

Sulfentrazone 33.33%

Imazethapyr 6.67%

Inert Ingredients 60.0%

Approximate annual usage 200 ozs.

Preferred Packaging 6 oz. bottles

Net Unit Price \$ 157.50 / 6 oz. bottle

Packaging: container size 8x1 pint # containers/carton

Manufacturer and Trade Name FMC - Dismiss South

Item 26: Revolver or approved equal. A herbicide for the control of annual and perennial grasses in bermudagrass, zoysiagrass, and buffalograss.

Active Ingredients:

foramsulfuron

2.34%

Inert Ingredients

97.66%

Approximate annual usage 36,175 ozs.

Preferred Packaging 87 oz. containers

Net Unit Price \$ 560.00 / oz. (priced per bottle)

Packaging: container size 4x 87 oz # containers/carton

Manufacturer and Trade Name Bayer - Revolver

Item 27: Certainty or approved equal. A selective herbicide for the control of annual and perennial grasses and broadleaf weeds in highly managed turf sites.

Active Ingredients:

Sulfosulfuron

75.00%

Inert Ingredients

25.00%

Approximate annual usage 320 oz.

Preferred Packaging 1.25 oz. bottles

Net Unit Price \$ 70.91 / 1.25 oz. bottle

Packaging: container size 100X1.25 oz # containers/carton

Manufacturer and Trade Name Monsanto - Certainty

Item 28: Cutless 0.33G or approved equal. A systemic landscape growth regulator for terminal growth suppression in woody ornamental plants and perennial ground covers, resulting in a more compact growth form and reduced trimming.

Active Ingredients:

Flurprimidol: (1-methylethyl) {(4-trifluoromethoxy)

Phenyl}-5-pyrimidinemethanol

0.33%

Inert Ingredients

99.67%

Approximate annual usage 5000 lbs.

Preferred Packaging 21 lb. bucket

Net Unit Price \$ 131.67 / lb. (priced per 21 lb pail)

Packaging: container size 21 lb pail # containers/carton

Manufacturer and Trade Name Sepro - Cutless .33G

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Item 29: Hydrothol 191 or approved equal. A liquid concentrate soluble in water that is a highly effective aquatic herbicide and algicide.

Active Ingredients:

Mono (N, N-dimethylalkylamine) salt of endothall 53.0%

Inert Ingredients 47.0%

Approximate annual usage 100 gal.

Preferred Packaging 2 ½ gal containers

Net Unit Price \$ 71.60 / gal.

Packaging: container size 2X2.5 gal # containers/carton

Manufacturer and Trade Name UPI - Hydrothol 191

Item 30: Snapshot 2.5 TG or approved equal. A selective preemergence herbicide for control of certain broadleaf weeds and annual grasses.

Active Ingredients:

Trifluralin: trifluoro-2,6-dinitro-N, 2.0%

N-dipropyl-p-toluidine

Isoxaben: N-[3-(1-ethyl-1-methylpropyl)-5-

Isoxazolyl]-2,6-dimethoxybenzamide and isomers 0.5%

Inert Ingredients 97.5%

Approximate annual usage 8550 lbs.

Preferred Packaging 50 lb. bags

Net Unit Price \$ 1.71 / lb.

Packaging: container size 50 lb bag # containers/carton

Manufacturer and Trade Name DOW - Snapshot 2.5 TG

Item 31: Ronstar Flo or approved equal. Preemrgence herbicide for the control of annual grasses and broadleaf weeds in turf and ornamnetals.

Active Ingredients:

Oxadiazon [2-tert-butyl-4-(2,4-dichloro-5- 34.1%

Isopropoxyphenyl)-1,3,4-oxzdiazolin-5-one]

Inert Ingredients 65.9%

Approximate annual usage 30 gal.

Preferred Packaging 2 ½ gal containers

Net Unit Price \$ 165.00 / gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name Bayer - Ronstar Flowable

Item 32: Pennant Magnum or approved equal. Weed control in nurseries, turf, and landscape plantings.

Active Ingredients:

5-metolachlor	83.7%
Inert Ingredients	16.3%

Approximate annual usage	40 gal.	
Preferred Packaging	1 gal. containers	
Net Unit Price	\$ 171.11 /gal.	
Packaging: container size	4x1 gal	# containers/carton

Manufacturer and Trade Name Syngenta - Pennant Magnum

Item 33: Tribute or approved equal. Weed control in nurseries, turf, and landscape plantings.

Active Ingredients:

Thiencarbazone-methyl cas number 317815-83-1	19.9%
Foramsulfuron cas number 173159-57-4	19.8%
Halosulfuron-methyl cas number 10784-20-1	30.8%
Inert Ingredients	39.5%

Approximate annual usage	150 oz.	
Preferred Packaging	6 oz. bottles	
Net Unit Price	\$ 332.42 /bottle	
Packaging: container size	20 X 6 oz	# containers/carton

Manufacturer and Trade Name Bayer - Tribute Total

Item 34: Sureguard or approved equal. Weed control in nurseries, turf, and landscape plantings.

Active Ingredients:

Flumioxazin (2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione)	51.0%
Inert Ingredients	49.0%

Approximate annual usage	165 lbs.	
Preferred Packaging	1 lb. containers	
Net Unit Price	\$ 139.00 /lb.	
Packaging: container size	4x1 lb	# containers/carton

Manufacturer and Trade Name Valent - Sureguard

Item 35: Celsius WG or approved equal. For control of annual and perennial broadleaf weeds and grasses in warm season turf.

Active Ingredients:

Thiencarbazone-methyl (CAS number 317815-83-1)	8.7%
Iodosulfuron-methyl-sodium (CAS number 317815-83-1)	1.9%
Dicamba (CAS number 1918-00-9)	57.4%
Inert Ingredients	32.0%

Approximate annual usage	220 ozs.	
Preferred Packaging	10 oz. bottles	
Net Unit Price	\$ <u>96.20</u> /bottle	
Packaging: container size	<u>8x10 oz</u>	# containers/carton

Manufacturer and Trade Name Bayer - Celsius

Item 36: Quicksilver T & O or approved equal. For control of broadleaf weeds and silvery thread moss in turfgrass.

Active Ingredients:

Carfentrazone-ethyl	21.3%
Inert Ingredients	78.7%

Approximate annual usage	100 ozs.	
Preferred Packaging	8 oz. bottles	
Net Unit Price	\$ <u>126.00</u> /bottle	
Packaging: container size	<u>32x8 oz</u>	# containers/carton

Manufacturer and Trade Name FMC - Quicksilver

Item 37: Roundup Quik Pro or approved equal. A non-selective herbicide used for the control or destruction of most herbaceous plants.

Active Ingredients:

Glyphosate, N-(phosphonomethyl) glycine in the form of ammonium salt	73.3%
Diquat dibromide (6.7-dihydrodipyridine 91,2-a:2,1-c)	
pyrazinedium dibromide	2.9%
Inert Ingredients	23.8%

Approximate annual usage	240 ozs.	
Preferred Packaging	8 oz. bottles	
Net Unit Price	\$ <u>60.00</u> /bottle	
Packaging: container size	<u>4x6.8 lb</u>	# containers/carton

Manufacturer and Trade Name Monsanto - Roundup Quik Pro

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CATEGORY B (INSECTICIDES/PESTICIDES)

Item 1: Orthene .97 or approved equal. An insecticide used for the control of mole crickets.

Active Ingredients:

Acephate 75.0%

Inert Ingredients 25.0%

Approximate annual usage 300 lbs.

Preferred Packaging 7.73 lb. bag

Net Unit Price \$ 12.12 /lb.

Packaging: container size 12x7.73 lb # containers/carton

Manufacturer and Trade Name AMVAC - Orthene TT& O

Item 2: Sevin SL or approved equal. An insecticide used for the control of sod webworms, armyworms, grassloopers, white grubs and billbugs.

Active Ingredients:

Carbaryl 43.0%

Inert Ingredients 57.0%

Approximate annual usage 200 gals.

Preferred Packaging 2 1/2 gal. container

Net Unit Price \$ 33.50 /gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name Bayer - Sevin SL

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Item 3: Top Choice mole cricket bait. An insecticide used for the control of Southern Chinch Bugs, sod webworms, armyworms, grassloopers and mole crickets. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Friponil	10.0%
Inert Ingredients	90.0%

Approximate annual usage	58,500 lbs.	
Preferred Packaging	50 lb. bag	
Net Unit Price	\$ 2.50 /lb.	
Packaging: container size	50 lb bag	# containers/carton

Manufacturer and Trade Name Bayer - Topchoice

Item 4: Merit WSP or approved equal. Wettable powder for foliar and systemic insect control in turfgrass, landscape ornamentals and plantscapes.

Active Ingredients:

Imidacloprid, 1-(6-chloro-3-pyadiacyl)	
methyl)-N-nitro-2, imidazolidinimine	75.0%
Inert Ingredients	25.0%

Approximate annual usage	2070 ozs.	
Preferred Packaging	2 oz. containers	
Net Unit Price	\$ 13.50 /oz.	
Packaging: container size	8x2oz	# containers/carton

Manufacturer and Trade Name Bayer - Merit 75WP

Item 5: Cygon or approved equal. Used for the control of insects.

Active Ingredients:

Dimethoate	23.0%
Inert Ingredients	77.0%

Approximate annual usage	100 gals	
Preferred Packaging	2 1/2 gal. container	
Net Unit Price	\$ NO BID /gal.	
Packaging: container size	NO BID	# containers/carton

Manufacturer and Trade Name NO BID

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Item 6: Demand CS or approved equal. Insecticide used for the control of adult mole crickets in turfgrass.

Active Ingredients:

Lambda Cyhalothrin	12.0%
Inert Ingredients	88.0%

Approximate annual usage	80 qts.	
Preferred Packaging	1 qt. container	
Net Unit Price	\$ <u>NO BID</u> /qt.	
Packaging: container size	<u>NO BID</u>	# containers/carton

Manufacturer and Trade Name NO BID

Item 7: Talstar or approved equal. Flowable insecticide/miticide for agricultural and commercial uses.

Active Ingredients:

Bifenthrin (2-methyl [1,1-biphenyl]-3-yl) methyl-3-(2-chloro-3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate	7.9%
Inert Ingredients	92.1%

Approximate annual usage	500 gals.	
Preferred Packaging	1 gal. container	
Net Unit Price	\$ <u>32.76</u> /gal.	
Packaging: container size	<u>4x1 gal</u>	# containers/carton

Manufacturer and Trade Name FMC - Talstar Professional

Item 8: Talstar granular or approved equal. Granular insecticide/miticide for agricultural and commercial uses.

Active Ingredients:

Bifenthrin (2-methyl [1,1-biphenyl]-3-yl) methyl-3-(2-chloro-3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropane carboxylate	7.9%
Inert Ingredients	92.1%

Approximate annual usage	48,500 lbs.	
Preferred Packaging	50 lb. bags	
Net Unit Price	\$ <u>.86</u> /lbs.	
Packaging: container size	<u>50 lb bag</u>	# containers/carton

Manufacturer and Trade Name FMC - Talstar G

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Item 9: Triple Crown Golf or approved equal. For use to control pests on golf courses.

Active Ingredients:	
Zeta-Cypermethrin	2.70%
Bifenthrin	7.87%
Imidacloprid	13.83%
Inert Ingredients	75.60%

Approximate annual usage	20 gals.	
Preferred Packaging	1 gal. cont.	
Net Unit Price	\$ 210.00 /gals.	
Packaging: container size	4x1 gal	# containers/carton

Manufacturer and Trade Name Triple Crown

Item 10: Merit 0.5G granular or approved equal. Granular systemic insect control in turfgrass and landscape ornamentals.

Active Ingredients:	
Imidacloprid, 1-[(6-chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinimine	0.5%
Inert Ingredients	99.5%

Approximate annual usage	2,900 lbs.	
Preferred Packaging	30 lb. bags	
Net Unit Price	\$.93 /lbs.	
Packaging: container size	30 lb bag	# containers/carton

Manufacturer and Trade Name Bayer - Merit .5G

Item 11: Dylox 6.2 granular or approved equal. Granular control of white grubs, mole crickets, sod webworms and cutworms, and other pests of turfgrass.

Active Ingredients:	
Trichlorfon, Dimethyl (2,2,2-trichloro-1-hydroxy-ethyl) phosphonate	6.2%
Inert Ingredients	93.8%

Approximate annual usage	13,000 lbs.	
Preferred Packaging	30 lb. bags	
Net Unit Price	\$ 1.19 /lbs.	
Packaging: container size	30 lb bag	# containers/carton

Manufacturer and Trade Name Bayer - Dylox 6.2G

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Item 12: Avid 0.15EC or approved equal. For control of leafminers and mites and suppression of aphids, whiteflies, and thrips on ornamental plants.

Active Ingredients:

Abamectin (CAS number 65195-56-4 and 65195-55-3) 2.0%

Inert Ingredients 98.0%

Approximate annual usage 50 gals.

Preferred Packaging 1 gal. containers

Net Unit Price \$ 595.00 / gal.

Packaging: container size 4x1 gal # containers/carton

Manufacturer and Trade Name Syngenta - Avid .15EC

Item 13: Cross Check Plus or approved equal. To control pests indoor and outdoors on residential, institutional, and public areas.

Active Ingredients:

Bifenthrin 7.90%

Inert Ingredients 92.10%

Approximate annual usage 275 gals.

Preferred Packaging 1 gal. containers

Net Unit Price \$ NO BID / gal.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 14: Acephate or approved equal. To control mole crickets.

Active Ingredients:

Acephate: (O, S-Dimethyl acetylphosphoramidothioate) 97.0%

Inert Ingredients 3.0%

Approximate annual usage 25 lbs.

Preferred Packaging 1 lb. containers

Net Unit Price \$ NO BID / lb.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

HELENA CHEMICAL CO

Item 15: Arena . To control cut worms and mole crickets. **NO SUBSTITUTIONS
WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Clothianidin

50.0%

Inert Ingredients

50.0%

Approximate annual usage 960 ozs.

Preferred Packaging 40 oz. containers

Net Unit Price \$ 1.70 / oz.

Packaging: container size 4x40 oz # containers/carton

Manufacturer and Trade Name Valent - Arena 50DG

HELENA CHEMICAL CO

CATEGORY C (FUNGICIDES)

Item 1: Daconil wether stick or approved equal. Fungicide used for the control of diseases in turf grass.

Active Ingredients:

Chlorothalonil (Tetrachloroisophthalonitrile) 54.0%

Inert Ingredients 46.0%

Approximate annual usage 210 gals.

Preferred Packaging 2 1/2 gal. container

Net Unit Price \$ 36.75 / gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name ADVAN - Echo 720

Item 2: Subdue or approved equal. Fungicide used to control pythium blight and pythium root rot.

Active Ingredients:

Metalaxyl 25.1%

Inert Ingredients 74.9%

Approximate annual usage 110 gals.

Preferred Packaging 1 gal. container

Net Unit Price \$ 515.00 / gal.

Packaging: container size 4 x 1 gal # containers/carton

Manufacturer and Trade Name Syngenta - Subdue Maxx

Item 3: Mancozeb or approved equal. Used for the control of fungus and algae.

Active Ingredients:

Mancozeb 75.0%

Inert Ingredients 25.0%

Approximate annual usage 120 gals.

Preferred Packaging 2 1/2 gal. container

Net Unit Price \$ NO BID / gal.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

HELENA CHEMICAL CO

Item 4: Alliette powder or approved equal. Used for the control of fungus and algae.

Active Ingredients:

Aluminum tris (0-ethyl phosphonate)	80.0%
Inert Ingredients	20.0%

Approximate annual usage	20 lbs.	
Preferred Packaging	5 lb. container	
Net Unit Price	\$ 25.34 /lb.	
Packaging: container size	4x5 lb	# containers/carton

Manufacturer and Trade Name Olympic Hort - Alliette WDG

Item 5: Armada or approved equal. For control of certain foliar, stem, and root diseases of turfgrass.

Active Ingredients:

Trifloxystrobin (CAS No. 141517-21-7)	8.33%
Triadimefon (CAS No. 43121-43-3)	41.67%
Inert Ingredients	50.00%

Approximate annual usage	20 ozs.	
Preferred Packaging	3 oz. container	
Net Unit Price	\$ NO BID / oz.	
Packaging: container size	NO BID	# containers/carton

Manufacturer and Trade Name NO BID

Item 6: Eagle 20EW. A systemic protectant and curative fungicide for disease control in established turfgrass, landscape ornamentals, and greenhouse and nursery ornamentals. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Myclobutanil: a-butyl-a-(chlorophenyl)-1H-1, 2,4, triazole-1-propanenitrite	19.7%
Inert Ingredients	80.3%

Approximate annual usage	50 pts.	
Preferred Packaging	1 pint container	
Net Unit Price	\$ 32.16 /pt.	
Packaging: container size	8x1 pint	# containers/carton

Manufacturer and Trade Name DOW - Eagle 20 EW

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Item 7: Fore 80WP. A fungicide used on golf courses. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Mancozeb: A coordination product of zinc ion and

Manganese ethylene bisdithiocarbamate

80.0%

In which the ingredients are:

Manganese 16.0%

Zinc 2.00%

Ethylene bisdithiocarbamate ion 62.0%

Inert Ingredients

20.0%

Approximate annual usage 80 lbs.

Preferred Packaging 1.5 lb. container

Net Unit Price \$ 8.09 /lb.

Packaging: container size 8(4x1.5lb) # containers/carton

Manufacturer and Trade Name DOW - Fore 80WP Rainshield

Item 8: Heritage TL. A broad spectrum fungicide for control of plant disease. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Azoxystrobin: methyl (E)-2-(2-{6-(2-cyanophenoxy)

Pyrimidin-4-yloxy]-3-methoxyacrylate

8.8%

Inert Ingredients

91.2%

Approximate annual usage 225 gals.

Preferred Packaging 1 gal. container

Net Unit Price \$ 509.00 /gal.

Packaging: container size 2x1 gal # containers/carton

Manufacturer and Trade Name Syngenta - Heritage TL

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Item 9: Insigni or approved equal. A broad spectrum fungicide for control of plant disease.

Active Ingredients:

Pyraclostrobin (carbamic acid, 2-1-4 chlorophenyl-1H-pyrazol-3yl

Oxymethylphenylmethoxy-, methylester

20.0%

Inert Ingredients

80.0%

Approximate annual usage 50 gals.

Preferred Packaging 5 gal. container

Net Unit Price \$ NO BID / gal.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 10: Caravan G or approved equal. For systemic control of both insect pests and diseases with one product applied to turf grasses on residential lawns and commercial grounds

Active Ingredients:

Azoxystrobin (CAS number 131860-33-8)

0.31%

Thiamethoxam (CAS number 153719-23-4)

0.22%

Inert Ingredients

99.47%

Approximate annual usage 260 gals.

Preferred Packaging 5 gal. container

Net Unit Price \$ 1.58 / gal.

Packaging: container size 30 lb # containers/carton

Manufacturer and Trade Name Syngenta - Caravan G

Item 11: Chlorothalonil or approved equal. For control of diseases in turf grass.

Active Ingredients:

Chlorothalonil (tetrachloroisophthalonitrile)

54.0%

Inert Ingredients

46.0%

Approximate annual usage 275 gals.

Preferred Packaging 2.5 gal. container

Net Unit Price \$ 36.75 / gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name ADVAN - Echo 720

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Item 12: Thiophanate-methyl or approved equal. For prevention and control of diseases in turf grass.

Active Ingredients:

Thiophanate-methyl (dimethyl 4,4-o-phenylenebis [3-thioallophanate] 41.25%

Inert Ingredients 58.75%

Approximate annual usage 60 gals.

Preferred Packaging 2.5 gal. container

Net Unit Price \$ NO BID / gal.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 13: Propiconazole or approved equal. Broad spectrum and systemic disease control for turf.

Active Ingredients:

Propiconazole (CAS number 60207-90-1) 14.3%

Inert Ingredients 85.7%

Approximate annual usage 20 gals.

Preferred Packaging 2 gal. container

Net Unit Price \$ NO BID / gal.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 14: Pro Star 70 WDG. Systemic fungicide to control fairy ring, brown patch.
NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.

Active Ingredients:

Fluorolanyl: N-[3-(1-methylethoxy) 70.0%

Inert Ingredients 30.0%

Approximate annual usage 130 lbs.

Preferred Packaging 3 lb. container

Net Unit Price \$ NO BID / lb.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

HELENA CHEMICAL CO

Item 15: Bayleton 50. Systemic fungicide to control fairy ring, dollar spot, and brown patch. **NO SUBSTITUTIONS WILL BE ACCEPTED FOR THIS PRODUCT.**

Active Ingredients:

Triadimenfon 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone

50.0%

Inert Ingredients

50.0%

Approximate annual usage 100 lbs.

Preferred Packaging 5.5 lb. container

Net Unit Price \$ 56.32 /lb.

Packaging: container size 4x1 pkg # containers/carton

Manufacturer and Trade Name Bayer - Bayleton 50

CATEGORY D (FIRE ANT APPLICATIONS)

Item 1: Amdro or approved equal. Insecticide used in the control of fire ants.

Active Ingredients:

Hydramethalone

1.02%

Inert Ingredients

98.98%

Approximate annual usage 3,600 lbs.

Preferred Packaging 25 lb. bag

Net Unit Price \$ 11.70 /lb.

Packaging: container size 25 lb bag # containers/carton

Manufacturer and Trade Name BASF - Amdro Pro

Item 2: Amdro or approved equal. Insecticide used in the control of fire ants.

NOTE: Same as above item but different packaging.

Active Ingredients:

Hydramethalone

1.02%

Inert Ingredients

98.98%

Approximate annual usage 50 lbs.

Preferred Packaging 3 lb. bag

Net Unit Price \$ NO BID /lb.

Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 3: Logic/ Award or approved equal. Insecticide used in the control of fire ants.

Active Ingredients:

Phenoxycarb

1.0%

Inert Ingredients

99.0%

Approximate annual usage 2,400 lbs.

Preferred Packaging 25 lb. bag

Net Unit Price \$ 9.45 /lb.

Packaging: container size 25 lb bag # containers/carton

Manufacturer and Trade Name Syngenta - Award

Item 4: Advion fire ant bait or approved equal. For control of imported fire ants, bigheaded ants, and pavement ants on lawns, recreational areas, golf courses, and other noncrop/no grazed areas.

Active Ingredients:

Indoxacarb

0.045%

Inert Ingredients

99.055%

Approximate annual usage 250 lbs.

Preferred Packaging 12 lb bags

Net Unit Price \$ 10.45 /lb.

Packaging: container size 25 lb bag # containers/carton

Manufacturer and Trade Name Syngenta - Advion Fire Ant Bait

CATEGORY E (WETTING AGENTS)

Item 1: A generic wetting agent used to increase water efficiency. Product may not contain any alcohol or petroleum and must have a low photo toxicity.

Active Ingredients:

2-butoxyelthanol, polyoxyethylene, polypropoxypanol, silicone defoamer 87.6%

Inert Ingredients

12.4%

Approximate annual usage 170 gals.

Preferred Packaging 2 1/2 gal. container

Net Unit Price \$ 62.82 /gal.

Packaging: container size 2x2.5 gal # containers/carton

Manufacturer and Trade Name Helena - Soaker

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Item 2: A generic wetting agent in granular form used to increase water efficiency. Product may not contain any alcohol or petroleum and must have a low photo toxicity.

Active Ingredients:

2-butoxyelthanol, polyoxyethylene, polypropoxypanol, silicone defoamer 87.6%
Inert Ingredients 12.4%

Approximate annual usage 1000 lbs.
Preferred Packaging 50 lb. bags
Net Unit Price \$ 1.77 /lb.
Packaging: container size 50 lb bag # containers/carton

Manufacturer and Trade Name Helena - Reservoir DG

CATEGORY F (TRACKERS)

Item 1: An additive to herbicide or turf chemicals used to highlight areas that have been sprayed. Non-hazardous, non-toxic. No special compounds are required. Normal mixture calls for a ratio of 16 oz. per 100 gal. of liquid.

Approximate annual usage 680 gals.
Preferred Packaging 2 1/2 gal. container
Net Unit Price \$ NO BID /gal.
Packaging: container size NO BID # containers/carton

Manufacturer and Trade Name NO BID

Item 2: An additive to herbicide or turf chemicals used to highlight areas that have been sprayed. Non-hazardous, non-toxic. No special compounds are required. Normal mixture calls for a ratio of 16 oz. per 100 gal. of liquid. **NOTE: Same as above item but different packaging.**

Approximate annual usage 200 gals.
Preferred Packaging 1 gal. container
Net Unit Price \$ 15.20 /gal.
Packaging: container size 4x1 gal # containers/carton

Manufacturer and Trade Name Helena - Spec Spray Indicator

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CATEGORY G (SPREADER/STICKER)

Item 1: A biodegradable liquid non-ionic surface active agent used as a wetting agent and soil penetrant.

Active Ingredients:

a(p-nonylphenyl)-w-hydroxypoly (oxyethylene)	40.0%
poly (methylene p-nonylpheroxy polyoxypropylent propanol)	33.0%
Alkyl (C18-20) Fatty acids	5.0%
Inert Ingredients	22.0%

Approximate annual usage	1,100 gals.	
Preferred Packaging	2 1/2 gal. container	
Net Unit Price	\$ 35.15 / gal.	
Packaging: container size	4x1 gal	# containers/carton

Manufacturer and Trade Name Helena - Soaker Plus

Item 2: Methylated Spray Oil or approved equal. Modified vegetable oil concentrate.

Active Ingredients:

Methylated vegetable oil, alkylphenol ethoxylate	100.0%
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Approximate annual usage	50 gals.	
Preferred Packaging	2 1/2 gal. container	
Net Unit Price	\$ 16.35 / gal.	
Packaging: container size	2x2.5 gal	# containers/carton

Manufacturer and Trade Name Brewer - Sunwet

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CATEGORY H (DEFOAMERS)

Item 1: Foam buster or approved equal. A silicone defoamer for use in aqueous solutions.

Active Ingredients:

Dimethylpolysiloxane

10.0%

Constituents ineffective as adjuvants

90.0%

Approximate annual usage 290 qts.

Preferred Packaging 1 qt. container

Net Unit Price \$ NO BID /qt.

Packaging: container size NO BID # containers/carton

BIDDER HELENA CHEMICAL CO

ADDRESS P.O. BOX 1758

DADE CITY, FLORIDA 33526

BY _____

Signature

Please Type or Print Signature Name Here

TITLE BRANCH MANAGER

DATE 03/01/2016

PHONE (352) 521-3538

FAX (352) 567-2083

e-MAIL ADDRESS BOGGSJ@HELENACHEMICAL.COM

Will your firm accept payment via Town of Davie Visa procurement card? Please circle one YES NO

You must submit a completed W-9 Form, a completed Bidder/Vendor Disclosure Form and a completed e-Verify form with you bid.