

TO: Board of Commissioners
FROM: Justin Kirtland, Golf Course Superintendent
THROUGH: Michael Benard, Executive Director
RE: Golf Course Chemicals
DATE: October 21, 2020



SUMMARY:

A variety of different chemicals are used in the maintenance of the golf course. To increase district wide efficiencies, items were added that are used by the Parks Department as well. To maximize resources, we opened the process to bidders for the chemicals that we use or may use on a regular basis.

There are a variety of specialty chemicals and fertilizers that are used in the maintenance of a golf course. Many of the products used change from year to year based on growing conditions (precipitation and temperature) and particular threats from pests and disease, and may need to be purchased at a moment's notice in order to react to a particular condition. Not all items will be purchased during the season, but staff prefers to bid any product that could potentially go over the \$5,000 quote threshold in case immediate action is necessary.

Staff started the selective use of off brand and generic chemicals nine years ago and would like to use them whenever practical to better manage our resources without compromising turf health or course conditions. However, just because a chemical has the same active ingredient as a name brand does not mean it uses the same technology. Because of this we would prefer to use name brands until we are able to test the off brands or generics ourselves or can get reliable information from others in the industry about the effectiveness of each. We have worked diligently over the past nine years to gather information on several products. Some have not worked well but others have proven to be effective and are now part of our regular program. We will continue to explore generic and off brand options next year and in the future.

You will notice in the bid results that we have not always chosen the least expensive chemical when an alternate was offered. This is because not all alternates are comparable to the item bid. Many of these chemicals have different formulations or release rates that make them difficult to control and, in many cases, increase the number of applications required. In other cases, the active ingredients are different, and the products are not the same. We have also chosen to accept bids for alternates as well as the original product in some cases to allow for the testing of products and using them if they prove effective.

Bid Results

Notice for potential bidders was published on September 9, 2020 and bids were received through September 24th. Bids were received from five vendors. These were: Advanced Turf Solutions of Mendota, IL; Great Lakes Turf, LLC. of Byron Center, MI; BTSI of Frankfort, IL; Chicagoland Turf of Downers Grove, IL; Reinders, Inc of Colgate, WI. Bid results are as follows:

Product	Packaging	Advanced Turf	BTSI	Chicagoland	Great Lakes	Reinders
Acelepryn*	64 ounces	No Bid	\$569.30 (4)	\$1,031.50 (1) \$929.50 (20)	No Bid	\$1,031.50
Tebuconazole	1 gal	\$85.00	\$69.90 (4)	\$63.04	\$71.25 (4)	\$58.00
Trinexapac-ethyl	2.5 gal	\$315.88	\$290.76 (2)	\$365.63	\$327.75 (2)	\$285.00
Greens Protection Solution*	per/unit	No Bid	No Bid	\$7,621.00	No Bid	\$7,621.00
Greens Foundation Solution*	per/unit	No Bid	No Bid	\$5,475.00	No Bid	\$5,475.00
Norther Fungicide Solution*	per/unit	No Bid	No Bid	\$22,132.00	No Bid	\$22,132.00
Classic Solution*	per/unit	No Bid	No Bid	\$4,920.00	No Bid	\$4,920.00
Fairway Starter Solution*	per/unit	No Bid	No Bid	\$12,710.00	No Bid	\$12,710.00
A 2 Z Solution*	per/unit	No Bid	No Bid	\$6,727.00	No Bid	\$6,727.00
Fairy Ring Solution*	per/unit	No Bid	No Bid	\$7,462.00	No Bid	\$7,462.00
Propiconazole	2.5 gal	\$145.00	\$122.99 (2)	\$343.75	\$141.08 (2)	\$140.00
Propamocarb	1 gal	\$288.50	\$305.75 (2)	\$393.00	\$352.93 (2)	\$531.25
Interface*	2.5 gal	\$472.50	\$225.00 (2)	\$472.50 (1) \$415.00 (6)	No Bid	\$472.50 (1) \$415.00 (6)
Tartan*	2.5 gal	\$850.00	No Bid	\$850.00 (1)	No Bid	\$850.00 (1)
Carbaryl	2.5 gal	\$120.00	\$140.00 (2)	\$112.71	No Bid	\$120.00
ArmorTech 44*	2.5 gal	No Bid	\$125.00 (2)	No Bid	No Bid	No Bid
Paclobutrazol	1 gal	\$205.00	\$186.00 (2)	\$178.94	\$219.93 (4)	\$142.50
Ferrous Sulfate	50 lb	No Bid	No Bid	\$21.05	No Bid	\$58.90
Fiata Stressguard*	2.5 gal	\$140.00	No Bid	\$140.00	No Bid	\$140.00
22-0-4 w/ZnB 50% XCU	per/ton	\$680.00 (4)	No Bid	No Bid	No Bid	No Bid
Proscape 0-0-7 MOP w/.067% Acelepryn +Dimension.167%	per/ton	No Bid	\$2,300.00	\$1,980.00	No Bid	\$1,980.00
Anderson 0-0-8 .067% Acelepryn,.167%Dimension DG Pro SGN 150	per/Ton	No Bid	No Bid	\$2,688.00	No Bid	\$2,688.00
Bent Special 28-8-18	25 lb/bag	\$29.05	\$40.00	\$23.11	\$36.10	\$25.00
Dimension 2EW*	2.5 gal	\$538.75	\$592.00 (2)	\$538.75	No Bid	\$538.75
Chlorothalonil	4 x 5 lb. /case	\$185.00	\$179.28	\$252.00	\$170.00	\$180.00
Maxtima*	2.5 gal	\$1,937.50	No Bid	\$1,937.50	No Bid	\$1,937.50
Navicon*	2.5 gal	\$2,950.00	No Bid	\$2,950.00	No Bid	\$2,950.00
Lexicon Intrinsic*	21 ounces	\$514.50	No Bid	\$514.50	No Bid	\$514.50
Vivax*	2.5 gal	\$191.70	\$200.00 (2)	\$182.13	No Bid	No Bid
TV Base	2.5 gal	No Bid	\$178.75 (2)	\$150.00	No Bid	No Bid
TV Siphon	2.5 gal	No Bid	\$56.88 (2)	\$130.00	No Bid	No Bid
Command	2.5 gal	\$125.00	\$220.00 (2)	No Bid	No Bid	\$100.00
Indemnify*	17.1 ounce	\$1,700.00	No Bid	\$1,700.00 (1) \$1,530.00 (6)	No Bid	\$1,700.00 (1) \$1,530.00(6)
Thiophanate-methyl	2.5 gal	\$138.15	\$170.00 (2)	\$123.61	\$142.50 (2)	\$140.00
Cutless MEC*	2.5 gal	\$962.55	\$962.55 (2)	\$973.00	No Bid	\$962.55
Urea phosphite	2.5 gal	No Bid	\$120.00 (2)	\$157.50	No Bid	No Bid
Potassium phosphite	2.5 gal	\$67.00	\$86.40 (2)	\$70.65	\$65.88 (2)	\$50.00
Thiram SC	2.5 gal	\$105.40	\$95.00 (2)	\$97.05	No Bid	No Bid
Element	2.5 gal	No Bid	No Bid	\$211.85	No Bid	No Bid
Aquaneat	2.5 gal	No Bid	No Bid	\$57.35	No Bid	\$52.50
Interline	2.5 gal	No Bid	No Bid	\$153.50	No Bid	No Bid
Signature Xtra Stressgard*	5.5 lb	\$175.00	No Bid	\$175.00 (1) \$160.00 (24)	No Bid	\$175.00 (1) \$160.00 (6)

Product	Packaging	Advanced Turf	BTSI	Chicagoland	Great Lakes	Reinders
Defendor*	1 quart	\$184.00	\$184.00 (4)	\$184.00	No Bid	\$184.00
Quali-Pro 2-D	1 gal	No Bid	\$92.50 (4)	\$84.24	No Bid	\$85.00
Sure Power*	2.5 gal	\$175.00	\$175.00 (2)	\$175.00	No Bid	\$175.00
Specticle Total	144 ounces	\$65.80	No Bid	\$81.90 (4)	No Bid	\$70.00
Chem-Stik LpH	2.5 gal	\$52.27	\$84.00 (2)	\$48.03	No Bid	\$53.00
Anderson's 16-0-8 1.14% Escalade 25% NS-54/150SGN	40 lb/bag	\$20.75	\$21.00 (49)	\$19.81	No Bid	No Bid
Anderson's 21-22-4 8% Trione/30%MU/135 SGN	50 lb/bag	\$48.45	No Bid	\$50.58	No Bid	\$48.00
Anderson's 22-0-7, 0.67% Acelepryn	50 lb/bag	\$35.60	\$39.99 (45)	\$35.73	No Bid	\$35.00
HG 10-3-2 180 SGN	50 lb/bag	\$21.35	\$46.32 (40)	No Bid	No Bid	No Bid
Humic DG 70% Humic**	50 lb/bag	\$55.10	No Bid	\$55.10	\$99.75	\$42.90
Anderson's 22-0-4 50% HCU/43% Black Gypsum Dg-SGN 240/10%	50 lb/bag	\$21.90	No Bid	\$21.90	No Bid	\$21.90
70% KY Blue-30% Perennial Rye	50 lb/bag	No Bid	\$133.50	\$103.50	No Bid	\$125.00
Barenbrug Blue HGT w/yellow jacket	50 lb/bag	\$225.00	\$225.00	No Bid	No Bid	No Bid
30% KY Blue, 30% creeping Red Fescue, 40% Perennial Rye	50 lb/bag	No Bid	\$112.50	\$102.50	No Bid	No Bid
007 Creeping Bentgrass	50 lb/bag	No Bid	\$690.00	\$627.00	No Bid	\$550.00
T-1 Creeping Bentgrass	50 lb/bag	No Bid	\$600.00	\$600.00	No Bid	No Bid
Prices Hold Until**		10/31/2021	9/1/2021	9/30/21	8/31/2021	9/30/2021
Delivery Charge		0.00	\$25.00 on bulk items	0.00	\$156.00 (free on orders over \$3,500)	0.00

** Humic DG 70% Humic is an agency priced item with two different sizes of product gradual. The larger gradual is less expensive and will generally be used in longer grass areas while the more expensive product has smaller granules and is used on short grass areas such as greens.

*Agency prices are determined by the manufacturer and are subject to change. All others will be held until the date indicated.

These items are suggested for bid approval. There are times when multiple vendors are selected for the same line item due to product differences or our desire to test different formulations.

These items are considered to be generics.

These items are alternates and are generally not considered equal.

We have used Advanced Turf Solutions, BTSI, Chicagoland and Reinders in the past for the purchase of chemicals and/or fertilizers and have found service to be very good. References have been checked for Great Lakes and are positive.

PREVIOUS COMMITTEE/BOARD ACTION:

The Board of Commissioners approved a similar list of chemicals and fertilizers after going to bid in September of 2019. This list can be provided by staff if requested.

REVENUE OR FUNDING IMPLICATIONS:

\$165,000 has been requested in the 2021 golf course operating budget in account 60-601-000-53-5335-0000 (Chemicals and Fertilizer). The total spent on all items will fit within this budgeted amount.

ALTERNATIVES:

Chemicals and fertilizers are an integral part of the maintenance of the golf course. Using the most appropriate products allows us to maximize effectiveness while minimizing cost, staff time and application rates. Significantly decreasing or eliminating the use of these products would have an almost immediate negative impact on playing conditions and could result in serious loss of turf.

RECOMMENDATION:

It is recommended that the Wheaton Park District Board of Commissioners approve bids highlighted in yellow on the above chart. The breakdown is as follows:

From Advanced Turf Solutions of Mendota, IL for: Propamocarb in the amount of \$288.50 per gallon, Interface in the amount of \$472.50 for 2.5 gallons, Tartan for \$850.00 for 2.5 gallons, Fiata Stressguard in the amount of \$140.00 for 2.5 gallons, 22-0-4 w/ZnB 50% XCU in the amount of \$680.00 per ton, Dimension 2 EW in the amount of \$538.75 for 2.5 gallons, Maxtima in the amount of \$1,937.50 for 2.5 gallons, Navicon in the amount of \$2,950.00 for 2.5 gallons, Lexicon Intrinsic in the amount of \$514.50 for 21 ounces, Command in the amount of \$125.00 for 2.5 gallons, Indemnify in the amount of \$1,700.00 for 17.1 ounces, Cutless MEC in the amount of \$962.55 for 2.5 gallons, Defendor in the amount of \$184.00 per quart, Sure Power in the amount of \$175.00 for 2.5 gallons, Specticle Total in the amount of \$65.80 for 144 ounces, Andersons 22-0-7, .67% Acelepryn in the amount of \$35.60 per 50 pound bag, HG 10-3-2 180 SGN in the amount of \$21.35 per 50 pound bag, Humic DG 70% Humic in the amount of \$55.10 per 50 pound bag, Anderson's 22-0-4 50% HCU/43% Black Gypsum Dg-SGN 240/10% in the amount of \$21.90 per 50 pound bag, and Barengrug Blue HGT w/yellow jacket in the amount of \$225.00 per 50 pounds.

From BTSI of Frankfort, IL for: Propiconazole in the amount of \$122.99 for 2.5 gallons, ArmorTech 44 in the amount of \$125.00 for 2.5 gallons, Urea phosphite in the amount of \$120.00 for 2.5 gallons, and Thiram SC in the amount of \$95.00 for 2.5 gallons.

From Chicagoland Turf of Downers Grove, IL for: Acelepryn in the amount of \$1,031.50 per 64 ounces, Greens Protection Solution in the amount of \$7,621.00 per unit, Greens Foundation Solution in the amount of \$5,475.00 per unit, Northern Fungicide Solution in the amount of \$22,132.00 per unit, Classic Solution in the amount of \$4,920.00 per unit, Fairway Starter Solution in the amount of \$12,710 per unit, A 2 Z Solution in the amount of \$6,727 per unit, Fairy Ring Solution in the amount of \$7,462.00 per unit, Carbaryl in the amount of \$112.71 for 2.5 gallons, Ferrous Sulfate in the amount of \$21.05 for 50 pounds, Proscap 0-0-7 MOP w .067% Acelepryn + Dimension .167% for \$1,980.00 per ton, Anderson 0-0-8 .067 Acelepryn. .167% Dimension DG Pro SGN 150 in the amount of \$2,688 per ton, Bent Special 28-8-18 in the amount of \$23.11 per 25 pound bag, Vivax in the amount of \$182.13 for 2.5 gallons, TV Base in the amount of \$150.00 for 2.5 gallons, TV Siphon in the amount of \$130.00 for 2.5 gallons, Thiophanate-methyl in the amount of \$123.61 for 2.5 gallons, Element in the amount, \$211.85 for 2.5 gallons, Interline in the amount of \$153.50 for 2.5 gallons, Signature Xtra Stessgard in the amount of \$175.00 for 5.5 pounds, Quali-Pro 2-D in the amount of \$84.24 per gallon, Chem-Stik LpH in the amount of \$48.03 for 2.5 gallons, Andersons 16-0-8 1.14% Escalade 25% NS-54/150 SGN in the amount of \$19.81 per 40 pound bag, 70% Kentucky Blue – 30% Perennial Rye in the amount of \$103.50 per 50 pounds, 30% Kentucky Blue 30% creeping Red Fescue 40% Perennial Rye in the amount of \$102.50 per 50 pounds and T-1 Creeping Bentgrass in the amount of \$600.00 per 50 pounds.

Great Lakes Turf, LLC. of Byron Center, MI for: Chlorothalonil in the amount of \$170.00 per 4x5 pound case.

From Reinders, Inc of Colgate, WI for: Tebuconazole in the amount of \$58.00 per gallon, Trinexapac-ethyl in the amount of \$285.00 for 2.5 gallons, Paclobutrazol in the amount of \$142.50 per gallon, Command (alternate) in the amount of \$100.00 for 2.5 gallons, Potassium phosphite in the amount of \$50.00 for 2.5 gallons, Aquaneat in the amount of \$52.50 for 2.5 gallons, Andersons 21-22-4 8% Trione/30%MU/135 SGN in the amount of \$48.00 per 50 pound bag, Humic DG 70% Humic in the amount of \$42.90 per 50 pound bag, and 007 Creeping Bentgrass in the amount of \$550.00 per 50 pounds.