



TO: Board of Commissioners
FROM: Justin Kirtland, Golf Course Superintendent
THROUGH: Michael Benard, Executive Director
RE: Golf Course Chemicals
DATE: October 16, 2019

SUMMARY:

A variety of different chemicals are used in the maintenance of the golf course. In an attempt 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 \$10,000 approval limit in case immediate action is necessary.

Staff started the selective use of off brand and generic chemicals eight 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 eight years to gather information on a number of 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 many 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 5, 2019 and bids were received through September 20th. Bids were received from five vendors. These were: Advanced Turf Solutions of Mendota, IL; Arthur Clesen Inc. of Mokena, IL; BTSI of Frankfort, IL; Chicagoland Turf of Downers Grove, IL; Reinders, Inc of Sussex, WI. Bid results are as follows:

Product	Packaging	Advanced Turf	Arthur Clesen	BTSI	Chicagoland	Reinders
Fluazinam	2.5 gal	\$987.50	\$1,025	\$1,251.25	\$1,011.11	\$860
Acelepryn*	64 oz	No bid	\$1,011.50	\$569.30	\$1,011.50	\$1,011.50
Tebuconazole	1 gal	\$85	\$65	\$69.90	\$64	\$58.75
Trinexapac ethy	1 gal	\$161.55	\$108	\$129.24	\$130	\$252.88
Greens Protection Solution*	per/unit	No bid	\$8,000	\$2,920	\$8,000	\$8,000
Dollar Spot Solution*	per/unit	No bid	\$19,375	\$15,271.5	\$19,375	\$19,375
Contact Action Solution*	per/unit	No bid	\$10,600	\$8,240	\$10,600	\$10,600
Fairway Action Protector Solution*	per/unit	No bid	\$9,730	\$7,277.20	\$9,730	\$9,730
A 2 Z Solution	per/unit	No bid	\$7,240	\$3,460	\$7,240	\$7,240
Fairy Ring Solution	per/unit	No bid	\$8,100	\$5,644.60	\$8,100	\$8,100
Propiconazole	2.5 gal	\$175	\$133	\$136.31	\$152.77	\$123.50
Exteris*	2.5 gal	\$281.25	\$281.25	No bid	\$281.25	\$281.25
Tartan*	2.5 gal	\$850	\$850	No bid	\$850	\$850
Carbary	2.5 gal	\$117.50	\$99	\$131.95	\$103.33	\$99.12
ArmorTech 44	2.5 gal	\$150	No bid	\$128.28	No bid	No bid
Paclobutrazol	1 gal	\$198.75	\$162	\$205.00	\$188.88	\$146.39
Flumioxazin*	5 lb	\$550.95	No bid	\$550.95	\$650	\$161.60
22-0-4 w/ZnB 50% XCU	per/ton	\$680	No bid	No bid	No bid	\$470.40
Proscape 0-0-7 MOP w/.067% Acelepryn +Dimension.167%	per/ton	\$3,000	No bid	\$2,290.40	\$1,940	No bid
Anderson 0-0-8 .067% Acelepryn,.167%Dimension DG Pro SGN 150	per/Ton	\$3,000	\$2,656	No bid	\$2,688	\$2,688
Worm Power	275 gallon	No bid	No bid	No bid	\$6,014	\$4,496.25
Chlorothalonil	4 x 5 lb. /case	\$185	\$145	\$150.32	\$252	\$158.94
Maxtima*	2.5 gal	\$1,840	No bid	No bid	\$1,840	\$3,680

Product	Packaging	Advanced Turf	Arthur Clesen	BTSI	Chicagoland	Reinders
Navicon*	2.5 gal	\$2,880	No bid	No bid	\$2,880	\$5,760
Lexicon Intrinsic*	21 oz	\$500.85	No bid	No bid	\$500.85	\$2,003.40
Xzemplar*	114 oz	\$1,845.66	No bid	\$561.15	\$1,476.30	\$2,952.60
IV Base	2.5 gal	No bid	No bid	\$54.69	\$145	No bid
IV Siphon	2.5 gal	No bid	No bid	\$191.25	\$135	No bid
Command	2.5 gal	\$125	No bid	\$223.13	No bid	No bid
Indemnify*	17.1 oz	\$1,700	\$1,700	No bid	\$1,700	\$1,700
Ag grade Gypsum	per/ton	No bid	No bid	No bid	No bid	\$319.50
Fludioxon	1 gal	\$466.34	\$570	\$425	\$570	\$398
Cutless MEC*	2.5 gal	\$962.55	\$962.55	\$962.55	\$962.55	\$962.55
Urea phosphite	2.5 gal	\$150	No bid	No bid	\$161.25	No bid
Potassium phosphite	2.5 gal	\$80	\$99	\$128.28	\$54.68	\$46.68
Prices Hold Until**		9/30/2020	9/30/2020	9/30/20	9/30/2020	9/30/2020
Delivery Charge		0.00	0.00	0.00	0.00	0.00

**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, Arthur Clesen, 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 and are positive.

PREVIOUS COMMITTEE/BOARD ACTION:

This was discussed at the October 2, 2019 Building and Grounds Meeting / Financial committee meeting

REVENUE OR FUNDING IMPLICATIONS:

\$165,000 has been requested in the 2020 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: ArmorTech 44 in the amount of \$150 for 2.5 gallons, 22-0-4 wZnB 50% XCU in the amount of \$680 per ton, Maxtima in the amount of \$1,840 for 2.5 gallons, Navicon in the amount of \$2,880 for 2.5 gallons, Lexicon Intrinsic in the amount of \$500.85 per 21 ounce container, Command in the amount of \$125 for 2.5 gallons, and Urea phosphite in the amount of \$150 for 2.5 gallons.

From Arthur Clesen Inc. of Mokena, IL for: Trinexapac-ethyl in the amount of \$108 per gallon, Carbaryl in the amount of \$99 for 2.5 gallons, Anderson 0-0-8 0.067%Acelepryn 0.167%DimensiononDG Pro SGN150 in the amount of \$2,656 per ton, and Chlorothalonil in the amount of \$145 per 20 pound case.

From BTSI of Frankfort, IL for: Acelepryn in the amount of \$569.30 per 64 ounce container, Flumioxazin (SureGuard SC) in the amount of \$550.95 per 64oz. container, and Xzemplar substitute (Kabuto) at a cost of \$561.15 per gallon.

From Chicagoland Turf of Downers Grove, IL for: Acelepryn in the amount of \$1,011.50 per 64 ounce container, Greens Protection Solution in the amount of \$8,000 per unit, Dollar Spot Solution in the amount of \$19,375 per unit, Contact Action Solution in the amount of \$10,600 per unit, Fairway Action Protector Solution in the amount of \$9,730 per unit, A 2 Z Solution in the amount of \$7,240 per unit, Fairy Ring Solution in the amount of \$8,100 per unit, Exteris in the amount of \$281.25 for 2.5 gallons, Tartan in the amount of \$850 for 2.5 gallons, Proscape 0-0-7 MOP w/.067 Acelepryn + .167 Demension in the amount of \$1,940 per ton, Xzemplar in the amount of \$1,476.30 per 114 ounce container, TV Base in the amount of \$145 for 2.5 gallons, TV Siphon in the amount of \$135 for 2.5 gallons, Indemnify in the amount of \$1,700 per 17.1 ounce container, and Cutless MEC in the amount of \$962.55 for 2.5 gallons

From Reinders, Inc of Sussex, WI for: Fluazinam in the amount of \$860 for 2.5 gallons, Tebuconazole in the amount of \$58.75 per gallon, Propiconazole in the amount of \$123.50 for 2.5 gallons, Paclobutrazol in the amount of \$146.39 per gallon, Sureguard SC (Flumioxazin substitute) in the amount of \$161.60 per pint, 22-0-4 w/ZnB 50% XCU in the amount of \$11.76 per 50 pound bag (\$470.40 per ton), Worm Power in the amount of \$4,496.25 per 275 gallon tote, Ag Grade Gypsum in the amount of \$319.50 per ton, Fludioxonil in the amount of \$398 per gallon, and Potassium phosphite in the amount of \$46.68 for 2.5 gallons.