



TO: Board of Commissioners

FROM: Justin Kirtland, Golf Course Superintendent

THROUGH: Michael Benard, Executive Director

RE: Golf Course Chemicals

DATE: October 20, 2021

SUMMARY:

A variety of different chemicals are used in the maintenance of the golf course. In order to increase district wide efficiencies, items were added that are used by the Parks Department as well. 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 \$5,000 quote threshold in case immediate action is necessary.

Staff started the selective use of off brand and generic chemicals ten 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 ten 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 may have 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 13, 2021 and bids were received through September 23rd. Bids were received from five vendors. These were: Advanced Turf Solutions of Mendota, IL; BTSI of Frankfort, IL; Chicagoland Turf of Downers Grove, IL; Pendleton Turf Supply, Inc of Waterford, WI; Reinders, Inc of Colgate, WI.; Site One Landscape Supply of Cleveland, OH. Bid results are as follows:

Product	Packaging	Advanced Turf	BTSI	Chicagoland	Pendleton	Reinders	Site One
Acelepryn	64 oz	NB	\$586.40 (4)	\$1,072.75	NB	\$1,072.75	\$1,072.75
Tebuconazole	1 gal	\$95.00	\$75.65 (4)	\$67.50	\$50.00	\$60.00	\$70.82
Trinexapac-ethyl	2.5 gal	\$325.00	\$335.70 (2)	\$376.56	\$225.00	\$275.00	\$284.62
Greens Protection Solution	per/unit	NB	NB	\$7,954.00	NB	\$7,954.00	NB
Green Foundation Solution	per/unit	NB	NB	\$5,743.00	NB	\$5,743.00	NB
Classic Solution	per/unit	NB	NB	\$5,070.00	NB	\$5,070.00	NB
A 2 Z Solution	per/unit	NB	NB	\$6,930.00	NB	\$6,930.00	NB
Fairy Ring Solution	per/unit	NB	NB	\$7,686.00	NB	\$7,686.00	NB
Briskway	1 gal	NB	\$410.00 (4)	\$1,283.40	\$680.00	\$1,283.40	\$1,283.40
Daconil Action	2.5 gal	NB	\$137.50 (2)	\$208.65	NB	\$208.65	\$208.65
Daconil Zn	2.5 gal	NB	NB	\$180.25	NB	\$180.25	\$180.25
Anuew	per/case	\$450.60	\$450.60	\$1,802.40	\$1,488.00	\$450.60	\$1,802.40
Union	2.5 gal	NB	\$667.50 (2)	\$667.50	NB	\$667.50	\$667.50
Secure Action	2.5 gal	NB	\$485.00 (4)	\$1,673.75	NB	\$1,673.75	\$1,673.75
Quicksilver	8oz	\$195.08	\$180.00	\$181.47	NB	\$175.00	\$182.48
Propiconazole	2.5 gal	\$155.00	\$130.00 (2)	\$161.76	\$105.00	\$140.00	\$162.40
Signature Extra	5.5 lb	\$175.00	NB	\$175.00	NB	\$175.00	\$175.00
Propamocarb	1 gal	NB	\$312.00 (2)	\$315.00	\$325.00	NB	NB
Interface	2.5 gal	\$472.50	\$262.50 (2)	\$477.50	NB	\$472.50	\$472.50
Tartan	2.5 gal	\$850.00	NB	\$850.00	NB	\$850.00	\$850.00
Carbaryl	2.5 gal	\$155.00	\$150.00	\$125.97	NB	\$125.00	NB
ArmorTech 45	2.5 gal	\$195.00	\$125.00 (2)	NB	\$118.00	\$120.00	NB
Paclobutrazol	1 gal	\$250.00	\$199.10 (2)	\$200.00	\$145.00	\$145.00	\$213.75
Ferrous Sulfate	50lb bag	NB	NB	\$31.43	NB	NB	NB
Fiata Stressguard	2.5 gal	\$142.38	NB	\$142.38	NB	\$142.38	\$142.38
22-0-4 w/ZnB 50% XCU	per/ton	\$862.77 (4)	NB	NB	NB	NB	NB
Proscape 0-0-7 MOP w/.067 Acelepryn + .167 Demension	per/ton	NB	\$2,300.00	\$2,030.00	NB	\$2,010.00	NB

Product	Packaging	Advanced Turf	BTSI	Chicagoland	Pendleton	Reinders	Site One
Anderson 0-0-8 0.067%Acelepryn 0.167%DimensiononDG Pro SGN150	per/ton	NB	NB	\$2,924.00	NB	\$2,912.00	NB
Bent Special 28-8-18	25lb bag	\$30.87	\$40.00	\$25.88	NB	\$23.00	NB
Dimension 2EW	2.5 gal	\$538.75	NB	\$538.75	NB	\$538.75	\$538.75
Chlorothalonil	4 x 5 lb. /case	\$190.00	\$170.00	\$152.94	\$140.00	\$150.00	\$171.42
Bifenthrin	1 gal	\$65.00	\$197.00	\$40.70	\$36.00	\$55.00	NB
Clothianidin	40oz	\$615.75	\$615.75 (4)	\$615.75	NB	NB	NB
Vivax 10 G	42 lb. bag	\$99.66	\$143.45	\$101.58	NB	\$100.00	NB
Vivax	2.5 gal	\$191.70	\$200.00 (2)	\$185.85	NB	\$450.00	NB
Alypso Plus	2.5 gal	\$142.03	\$56.88 (2)	\$138.125	NB	NB	NB
Flo Thru Plus	2.5 gal	NB	\$56.88 (2)	NB	NB	\$112.50	NB
TV Siphon	2.5 gal	NB	\$56.88 (2)	\$135.00	NB	NB	NB
Command	2.5 gal	\$130.00	\$162.00 (2)	NB	NB	\$450.00	NB
Indemnify	17.1 oz.	\$1,700.00	NB	\$1,700.00	NB	\$1,700.00	\$1,700.00
Tetrino	per/case	\$1,600.00 (.25)	\$530.00 (2)	\$1,600.00	NB	\$1,600.00	\$1,600.00
Thiophanate-methyl	2.5 gal	\$164.75	\$233.75 (2)	\$138.22	\$107.50	\$145.00	\$126.18
Cutless MEC	2.5 gal	\$973.00	\$973.00 (2)	\$1,128.75	\$1,128.75	\$1,128.75	\$973.00
Urea phosphite	2.5 gal	NB	\$90.00 (2)	\$167.50	NB	NB	NB
Potassium phosphite	2.5 gal	\$85.00	\$125.00 (2)	\$58.86	\$60.00	\$55.00	NB
Thiram SC	2.5 gal	NB	\$110.50 (2)	\$94.44	NB	NB	NB
Iprodione	2.5 gal	\$175.00	\$170.00 (2)	\$147.06	\$136.00	\$135.00	\$153.80
T-Zone	2.5 gal	\$178.13	\$178.13 (2)	\$178.13	\$120.00	\$186.625	NB
Defendor	1 qt.	\$184.00	NB	\$184.00	NB	\$184.00	\$184.00
Quali-Pro 2-D	1 gal	NB	\$109.20 (4)	\$93.27	\$84.00	\$100.00	NB
Sure Power	2.5 gal	\$182.75	\$182.75 (2)	\$182.75		\$182.75	NB
Andersons 16-0-8 1.14% Escalade/ 25% NS-54/ 150 SGN:	40 lb. bag	\$25.00	\$26.00 (49)	\$24.50	NB	NB	NB
Anderson's 21-22-4 .08% TRIONE/ 30% MU/ 135 SGN:	50 lb. bag	\$56.29	NB	\$59.57	NB	\$48.00	NB
70% KY Blue – 30% Perennial Rye	50 lb. bag	NB	\$165.00	\$160.75	\$165.00	\$192.00	NB
Barenbrug Blue HGT w/yellow jacket	50 lb. bag	\$244.00	\$225.00	NB	NB	NB	NB
30% KY Blue, 30% creeping Red fescue, 40% perennial Rye	50 lb. bag	NB	\$120.00	\$193.33	\$135.00	NB	NB
007 Creeping Bentgrass	50 lb. bag	NB	\$350.00	\$313.50	NB	\$573.00	NB

Product	Packaging	Advanced Turf	BTSI	Chicagoland	Pendleton	Reinders	Site One
T-1 Creeping Bentgrass	50 lb. bag	NB	\$330.00	\$335.00	NB	NB	NB
Prices Hold Until**		9/30/2022	9/1/2022	9/30/2022	9/30/2022	12/31/2022	None given
Delivery Charge		\$0.00	\$25.00 on bulk items	\$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.

** Numbers in parenthesis indicate minimum order to meet pricing structure.

These items are suggested for bid approval.

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, Pendleton and Reinders in the past for the purchase of chemicals and/or fertilizers and have found service to be very good.

PREVIOUS COMMITTEE/BOARD ACTION:

The Board of Commissioners approved a similar list of chemicals and fertilizers after going to bid in October of 2020. This list can be provided by staff if requested.

The Arrowhead Golf Club Chemical Bid was reviewed at the Building and Grounds/Finance Committee meeting on October 6, 2021.

REVENUE OR FUNDING IMPLICATIONS:

\$165,000 has been requested in the 2022 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: Interface in the amount of \$472.50 for 2.5 gallons, Tartan in the amount of \$850.00 for 2.5 gallons, ArmorTech 45 in the amount of \$195.00 for 2.5 gallons, Fiata Stressguard in the amount of \$142.38 for 2.5 gallons, 22-0-4 w/ZnB 50% XCU in the amount of \$862.77 per ton, Clothianidin in the amount of \$615.75 for 40 ounces, Vivax10 G in the amount of \$99.66 per 42 pound bag, Command in the amount of \$130.00 for 2.5 gallons, Indemnify in the amount of \$1,700 for 17.1 ounces, Tetrino in the amount of \$1,600.00 per case, Defendor in the amount of \$184.00 per quart and Sure Power in the amount of \$182.75 for 2.5 gallons.

From BTSI of Frankfort, IL for: Propamocarb in the amount of \$312.00 per gallon, Urea phosphite in the amount of \$90.00 for 2.5 gallons, Barenbrug Blue HGT w/yellow jacket in the amount of \$225.00 per 50 pound bag, 30% KY Blue, 30% creeping red fescue, 40% perennial Rye in the amount of \$120.00 per 50 pound bag and T-1 Creeping Bentgrass in the amount of \$330.00 per 50 pound bag.

From Chicagoland Turf of Downers Grove, IL for: Acelepryn in the amount of \$1,072.50 per 64 ounces, Greens Protection Solution in the amount of \$7,954.00 per unit, Greens Foundation Solution in the amount of \$5,743.00 per unit, Classic Solution in the amount of \$5,070.00 per unit, A 2 Z Solution in the amount of \$6,930.00 per unit, Fairy Ring Solution in the amount of \$7,686.00 per unit, Briskway in the amount of \$1,283.40 per gallon, Daconil Action in the amount of \$208.65 for 2.5 gallons, Daconil Zn in the amount of \$180.25 for 2.5 gallons, Anuew in the amount of \$1,802.40 per case, Union in the amount of \$667.50 for 2.5 gallons, Secure Action in the amount of \$1,673.75 per 2.5 gallons, Signature Extra in the amount of \$175.00 for 5.5 pounds, Ferrous Sulfate in the amount of \$31.43 per 50 pound bag, Dimension 2EW in the amount of \$538.75 per 2.5 gallons, Vivax in the amount of \$185.85 for 2.5 gallons, Alypso Plus in the amount of \$138.125 for 2.5 gallons, TV Siphon in the amount of \$135.00 for 2.5 gallons, Cutless MEC in the amount of \$1,128.75 for 2.5 gallons, Thiram SC in the amount of \$94.44 for 2.5 gallons, T-Zone in the amount of \$178.13 for 2.5 gallons, Andersons 16-0-8 1.14% Escalade/25% NS-54/150SGN in the amount of \$24.50 per 40 pound bag, 70% KY Blue – 30% Perennial Rye in the amount of \$160.75 per 50 pound bag and 007 Creeping Bentgrass in the amount of \$313.50 per 50 pound bag.

From Pendleton Turf Supply of Waterford, WI for: Tebuconazole in the amount of \$50 per gallon, Trinexapac-ethyl in the amount of \$225.00 for 2.5 gallons, Propiconazole in the amount of \$105.00 for 2.5 gallons, Chlorothalonil in the amount of \$140.00 per 4x5 pound case, Bifenthrin in the amount of \$36.00 per gallon, Thiophanate-methyl in the amount of \$107.50 for 2.5 gallons and Quali-Pro 2-D in the amount of \$84.00 per gallon.

From Reinders, Inc of Colgate, WI for: Quicksilver in the amount of \$175.00 for 8 ounces, Carbaryl in the amount of \$125.00 for 2.5 gallons, Paclobutrazol in the amount of \$145.00 per gallon, Proscape 0-0-7 MOP w/.067% Acelepryn + .167 Dimension in the amount of \$2,010.00 per ton, Anderson 0-0-8 .067% Acelepryn .167% Dimension DG Pro SGN150 in the amount of \$2,912.00 per ton, Bent Special in the amount of \$23.00 per 25 pound bag, Flo Thru Plus in the amount of \$112.50 for 2.5 gallons, Potassium Phosphite in the amount of \$55.00 for 2.5 gallons, Iprodione in the amount of \$135.00 for 2.5 gallons and Anderson's 21-22-4 .08% Trione/30% MU/135 SGN in the amount of \$48.00 per 50 pound bag.