

**ANNUAL REPORT - UNLISTED PESTICIDE USE
for the year 2023**

Golf Course: Tyandaga Golf Course

GC IPM #: 09-159

Address: 1265 Tyandaga Park. Dr. Burlington Ontario L7P 1N1

Email Address: brad.weake@burlington.ca

Tel: 905-336-0006

IPM Certified Agent(s): Evan Coakwell

IPM Agent(s) Certification Number(s): 2339

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2022	2023	
trifloxystrobin	Dollar Spot, Anthracnose, Michrodocium Patch, Brown Patch, Pink and Grey Snow Molds	0.73	.500	less application this season
tebuconazole	Dollar Spot, Anthracnose, Brown Patch	5.5	2.400	Used less application this year, different chemistry used
fluopyram	Dollar Spot Control	0.25	.500	bit higher dollar spot pressure this year
glyphosate	non selective control of weeds and grasses in bunker flashings	0.065	.000	did not spray this season, utilized hand pulling

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		2022	2023	
chlorothalonil	dollar spot	10	10.080	different formulation used
boscalid	Dollar Spot, Brown Patch, Pythium, Summer Patch, Anthracnose, bentgrass dead spot, brown ring patch	0.636	.318	used some alternate chemistries
pyraclostrobin	winter control of snow molds	1.954	1.477	used less of this AI this season
triticonazole	dollar spot, anthracnose, michrodocium patch,brown patch, pink and grey snow molds	1.28	1.280	no change

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carfentrazone-ethyl	Moss control	NA	.425	moss issue on greens
fluoaxastrobin	Take-all patch, Summer patch, Anthracnose, Pink & Grey snow mould, Dollar spot	NA	.960	tried new chemistry this season
tetraniliprole	white grubs, abw, chinch bugs, bluegrass billbugs, cutworms and turf caterpillars, japanese beetle.european chafer	NA	.172	some grub and insect activity this year
Fluxapyroxad	dollar spot, leaf spot, michrodocium patch	NA	.606	tried new chemistry this season

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Please upload map(s) of the golf course showing the locations where unlisted pesticides were applied, and identify use by unlisted pesticide ingredient or by product type (fungicide, insecticide, herbicide, growth regulator)

Please explain how practicing integrated pest management (IPM) and maintaining IPM accreditation with the IPM Council of Canada minimized the use of pesticides on your golf course and how it will minimize use in this current calendar year.

At Tyandaga we continue to monitor and practice IPM. We try to use as little pesticides as possible while still providing conditions that favour good turf health and give conditions that the customer base is accustomed to. Scouting and monitoring for disease and insect activity is a normal practice and helps us make sure that we are only applying when necessary. The course has numerous naturalized areas that we do not apply any applications to and provide a buffer from neighbours. We continue to utilize cultural practices such as aerating, verticutting, proper irrigation to help minimize the issues we encounter on the turf. We will strive to continue these practices going forward.

We, the undersigned, attest that the above information is accurate and inclusive of all pesticide products applied on our golf course for the entire year. We are aware that it is an offence under the Pesticides Act: 17(6) to include false or misleading information in any document or data required to be created, stored or submitted under the Act.

Primary IPM Certified Agent signature:

Evan Coakwell

Date: 30-January-2024

Owner's representative name & position:

Brad Weake - Manager of Tyandaga Golf Course

Signature:

Brad Weake

Print hard copy for signatures. Signed Annual Reports must be scanned and uploaded in My IPM area of IPM Council of Canada website.