

ANNUAL REPORT - UNLISTED PESTICIDE USE for the year 2024

Golf Course: Camelot Golf and Country Club

GC IPM #: 09-061

Address: 906 Quigley Hill Rd. Cumberland Ontario K4C1H1

Email Address: aspove@camelotgolf.ca

Tel: 613-706-8759

IPM Certified Agent(s): chris chapman

IPM Agent(s) Certification Number(s): 1460

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2023	2024	
trinexapac-ethyl	Used to control excessive growth on greens	0.878	.499	Used less as integrated different growth regulator into program this product used to improve playability of greens
propiconazole	Used to control various diseases	2.023	3.238	used more on bentgrass areas similar to 2023 as rotational strategy
chlorothalonil	Used to control various diseases	22.851	20.562	Not a significant change
lambda-cyhalothrin	Used to control ant hills on low mow surfaces	0.1	.170	Increased ant hill pressure only used in spot sprayed approach

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		2023	2024	
fludioxonil	Used to Control snow mold	8.615	11.624	was able to cover areas that we were not previous year due to weather
trifloxystrobin	Used to control various diseases	0.48	.000	unused as a rotational strategy
carfentrazone-ethyl	Used to control silvery moss	0.262	.176	used less with not applying to newer constructed greens
bispyribac (sodium)	Used to reduce Poa Annua in bentgrass fairways and tees	0.234	.648	Used more as got back into poa reduction program

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benzovindiflupyr	Used to control snow mold	1.036	2.087	increased area of coverage
Fluazinam	Used to control various diseases	14.88	15.980	not a significant change
chlorantraniliprole	Used to control grub populations	3.504	3.440	sprayed similar acreage
Pydiflumetofen	Used to control dollar spot	1.115	1.510	used more in rotation on tees

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azoxystrobin	Used to control various diseases	0.969	.000	did not use due to rotation of other products
glyphosate	Used to control noxious weeds in low priority areas	11.475	.000	wet year wasnt able to get into areas of concern due to labour and field conditions
tebuconazole	Used to control various diseases	1.9	.000	did not use due to rotation of other products
difenoconazole	Used to control various diseases	0.743	3.314	used more to rotate out other products

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Isofetamid	Used to control dollar spot	1.6	1.600	not a significant change
deltamethrin	Used to control insects	0.075	.000	did not use this year
dithiopyr	Used to control crabgrass	0.285	.720	increase area of spray to reduce crabgrass infestation
2,4-D	Used to control weeds	42.94	9.500	sprayed less due to lack of ability to spray rescue

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dicamba	Used to control weeds	8.076	1.800	sprayed less due to lack of ability to spray fescue
mecoprop	Used to control weeds	23.365	5.000	sprayed less due to lack of ability to spray fescue
Pachlobutrazol	Used to control growth of Poa	NA	2.260	new product to offset use of trinexapac-ethyl as controls growth of poa more than bentgrass
Mefenitruconazole	used to control various diseases	NA	.640	Newly used product to rotate chemistry

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fluoxastrobin	Used to control various diseases	NA	.672	newly used product to rotate chemistry

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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.

By maintaining IPM Accreditation with the IPM Council of Canada, Camelot can have a positive impact on the environment around us now and for the future. We have always strived to minimize chemical applications, but IPM makes us rethink how we deal with pests and where we deal them as well. It helps educate people on different methods or thought processes on what and when to do something. It constantly keeps you focused on sustainable pest management and what we can do to maintain our turf quality with less frequent pesticide application. A good example of this is the recent introduction of our GPS sprayer. This will help us further reduce our pesticide totals due to the removal of the possibility of over applying on areas by minimizing operator error. In addition, the individual nozzle control from a full boom to an individual nozzle minimizes even more potential for overapplication. IPM has solidified the importance of bolstering cultural practices to encourage turf health. A healthier stand of turf will continually contribute to the reduction of pesticides.

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:



Date: 28-January-2025

Owner's representative name & position:

Andreas Spove, General Manager

Signature:



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



#	1	Trinexapac-ethyl; Propiconazole; Chlorothalonil; Trifloxystrobin; Carfentrazone-ethyl; Fluazinam; Lambda-cyhalothrin; Fludioxonil; Benzovindiflupyr; Difenoconazole; Paclobutrazol; Flouoxastrobin
O	2	Fludioxonil; Bispribac(sodium); Benzovindiflupyr; Fluazinam; Isfetamid; Difenoconazole; Mefentrifluconazole;
X	3	Fludioxonil; Bispribac(sodium); Benzovindiflupyr; Fluazinam; Pydiflumetofen; Diacamba
//	4	2, 4-D; Dicamba; Mecoprop
V	5	Chlorantraniliprole
D	6	Dithiopyr