Golf Course: Keystone Links Golf and Country Club

Address: 2402 Clifford Line Cavan Monaghan Ontario K9J 6Z9

Email Address: keystonelinks@gmail.com

IPM Certified Agent(s): Tara DeBlois, Chris Wilkinson

e:

705-876-8061

GC IPM #

11-690

IPM Agent(s) Certification Number(s):

2845, 3056

	carfentrazone-ethyl Moss	fludioxonil Snow mould	tebuconazole Dollar spot	chlorpyrifos Not used		Unlisted Pesticide Ingredient
		uld	ot		A COL	Region for Tice
	0.016	1.8	2.4	1.08	2023	Total Qua Pe Ingredie
	106	1.800	4.800	.000	2024	Total Quantity Unlisted Pesticide Ingredient Used (kg)
inguer impact of moss on putting surface in current season		No change	Product rotation (Mirage Stressguard)	Product no longer licensed for use	Reason for Increase/Decrease from Previous Calendar Year	

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lambda-cyhalothrin	fluopyram	trifloxystrobin	chlorantraniliprole		Unlisted Pesticide Ingredient
Ants	Dollar spot	Dollar spot	Japanese beetle	Accepted the Cor	Reason for Tisa
0.001	0.25	0.25	0.11	2023	Total Quan Pes Ingredier
.008	.125	.125	.120	2024	Total Quantity Unlisted Pesticide Ingredient Used (kg)
Replacement for chlorpyrifos to control ants	Product rotation (Exteris Stressguard)	Product rotation (Exteris Stressguard)	Very small difference, slightly expanded greens coverage	Reason for Increase/Decrease from Previous Calendar Year	

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hium Patch, Dollar spot 10 9.900 Fusarium patch/ microdochium patch not treated previous year, product rotaion for dollar spot conrol		
	Fusarium Patch /Microdochium Patch, Dollar spot	chlorothalonil
0.672 .000 Product (Disarm) ineffective in previous season	Not used 0	fluoxastrobin
0.306 1.341 Effective in past season, program to regulate turf growth for direct disease control.	Dollar spot, other disease	trinexapac-ethyl
0.18 .180 No change	Snow mould	benzovindiflupyr
2023 2024 Reason for Increase/Decrease from Previous Calendar Year		
Total Quantity Unlisted Pesticide Ingredient Used (kg)	Reason for Use	Unlisted Pesticide Ingredient

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					U III
2,4-D	Fluazinam	Isofetamid	propiconazole		Unlisted Pesticide Ingredient
Dandelion, clover, other broadleaf weeds	Dollar spot	Dollar spot	Not used		Reason for The
NA	1.2	0.6	0.78	2023	Total Qua
6.460	.640	.640	.000	2024	Total Quantity Unlisted Pesticide Ingredient Used (kg)
Treated areas over threshold, yearly assessment and rotation of target areas to control perennial weeds in worst affected areas based on scouting	Product rotation (Secure Fungicide)	Similar use: Kabuto 400 SC Fungicide effective in past season	Product Rotation (Banner MAXX)	Reason for Increase/Decrease from Previous Calendar Year	

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thiophanate-methyl	Deltamethrin	mecoprop	dicamba	C	Unlisted Pesticide Ingredient
Dollar spot	Ants	Dandelion, clover, other broadleaf weeds	Dandelion, clover, other broadleaf weeds		ent Reason for The
NA	NA	NA	NA	2023	Total Qua Pe Ingredie
5.000	.045	3.400	.612	2024	Total Quantity Unlisted Pesticide Ingredient Used (kg)
New product (Renovo Fungicide) in rotation for late season disease control	New product as chlorpyrifos no longer in use	Treated areas over threshold, yearly assessment and rotation of target areas to control perennial weeds in worst affected areas based on scouting	Treated areas over threshold, yearly assessment and rotation of target areas to control perennial weeds in worst affected areas based on scouting	Reason for Increase/Decrease from Previous Calendar Year	

Golf Course:

Keystone Links Golf and Country Club

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

require treatment in 2025 as the remaining control from 2021 and 2022 seasons has decreased above threshold. Frequent mowing during peal bloom periods reducing seed dispersion and maintained the rotating program targeting only those areas with a high percentage of weed cover or where play is most impacted. Perennial weed control occurred exclusively in the rough in 2024. Fairways and tees will healthy turf in key areas of play. Improvements in quality were again noticed by customers and we will continue adapting our program into future seasons. pest under threshold. Overall the strategy of our program aimed to identify areas where conditions were deficient and synchronize cultural practices, irrigation, nutrition and pest control applications to build however as in 2023 had little effect. We continued to repair affected areas with topdressing and seeding to introduce competitive turf into the dead plaque zones. Perennial weed control continues to be a broad treatment using Quicksilver herbicide had a positive effects and will likely continue in future years. Aeration of moss plaques was again completed to attempt to improve airflow to the root zones, rough. We will continue to reduce insect breeding habitat by continuing to mow areas previously maintained as tall links style fescue. Infiltration of moss continued onto the greens in 2023 and the planned valuable new tool for us in the 2024 season. Paired with our own scouting data, we were able to use the weather pattern analysis to time our product applications to greatest effect and apply only when when the heavy rolling was added. Fungal disease is our biggest challenge affecting greens quality. The introduction of weather analysis apps that track conditions supporting dollar spot growth was a improve our control moisture on the greens through the updated irrigation computer system resulting in decreased stress due to drought or untimely watering. We retained a similar verti-cutting, aeration, and needed. Japanese beetle was again reduced on the greens due to an even earlier treatment for the pest, however customer and staff feedback indicates a significant pest presence in many areas of the nutrition application schedule as in 2023, however increased the frequency of heavy rolling in the mornings in addition to the regular green mowing, resulting in approximately 20% disease stress on days to recover from disease and stress when daylight hours decreased. We also increased these regulation treatments on our driving range in response to increased player demand. We were also able further programs to optimize results on density, focusing the regulation program on the early high growth months of the season and eliminating regulation in the later part of the summer to improve the plant's ability As in past years, our 2024 program continued to focus on greens quality. Based on member feedback and our observed results in the 2023 season, we co-ordinated of our nutrition and growth regulation

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 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

Primary IPM Certified Agent signature:

16-January-2025

Date:

Owner's representative name & position:

Keyla Wight - Owner

signature: Koyla Woht

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