

## Golf Course Unlisted Pesticide Use (2021-2022)

Unlisted Pesticides refer to pesticides that are not on the List of Active Ingredients Authorized for Cosmetic Use, as approved by the Ontario Ministry of the Environment, Conservation and Parks. In order to use unlisted pesticides, golf courses are required to be accredited by an approved Integrated Pest Management (IPM) body. Golf courses are required to submit annual IPM plans and are subject to rigorous evaluation and site visits.

### Chedoke Civic Golf Course

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2021	2022	
trifloxystrobin	Curative treatment for dollar spot and preventative for overwintering treatment.	5.09	3.150	Product rotation - Disease control was better this year and didn't need as much.
fluopyram	Curative treatment for dollar spot.	1.25	0.750	Product rotation and has done well for us in the past.
Fosetyl-AL	Curative treatment for dollar spot.	15	9.000	Product rotation - Disease control has been good.
tebuconazole	Curative treatment for dollar spot and preventative for overwintering treatment.	24.8	16.700	Product rotation - using other products that have a better response to disease.
chlorothalonil	Curative treatment for dollar spot.	20.16	40.320	Product rotation - Increased rates for better control of persisting disease.
2,4-D	Preventative treatment for Broadleaf weeds.	NA	11.400	Weeds were beyond acceptable levels this year.
mecoprop	Preventative treatment for Broadleaf weeds.	NA	6.000	Weeds were beyond acceptable levels this year.
dicamba	Preventative treatment for Broadleaf weeds.	NA	2.232	Weeds were beyond acceptable levels this year.

**Chedoke Civic Golf Course**

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2022	2023	
trifloxystrobin	Preventative treatment for Grey and Pink Mold for overwintering.	3.15	1.940	Decreased this year because of product rotation, trying different chemistries.
fluopyram	Curative treatment for dollar spot.	0.750	0.500	Slight decrease this year because of product rotation, trying different chemistries.
Fosetyl-AL	Curative treatment for dollar spot.	9.000	18.000	Increase this year because of product rotation, trying different chemistries.
tebuconazole	Curative treatment for dollar spot and preventative for overwintering treatment.	16.700	17.700	Slight increase this year because of product rotation, trying different chemistries.
chlorothalonil	Curative treatment for dollar spot	40.320	20.160	Decreased this year because of product rotation, trying different chemistries.
2,4-D	Curative treatment for clover and other broadleaf leaf weeds.	11.400	11.400	Consistent with last year's application because we were satisfied with the results. Also, above average seasonal rainfall.
mecoprop	Curative treatment for clover and other broadleaf leaf weeds.	6.000	6.000	Consistent with last year's application because we were satisfied with the results. Also, above average seasonal rainfall.
dicamba	Curative treatment for clover and other broadleaf leaf weeds.	2.232	2.232	Consistent with last year's application because we were satisfied with the results. Also, above average seasonal rainfall.
tetraniliprole	Curative treatment for Black Cut Worm and Annual Bluegrass Weevil.	N/A	0.172	The increase is a result of adding new product into our rotation.

**King's Forest Municipal Golf Course**

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2021	2022	
trifloxystrobin	Curative for dollar spot and preventative for over winter treatment.	2.305	1.930	Product rotation and observing effectiveness of using less product.
fluopyram	Curative treatment for dollar spot.	0.625	0.250	Product rotation and observing effectiveness of using less product.
tebuconazole	Curative for dollar spot and preventative for over winter treatment.	12.65	11.450	Product rotation and observing effectiveness of using less product.
Fosetyl-AL	Curative treatment for dollar spot.	7.5	6.000	Product rotation and observing effectiveness of using less product.
deltamethrin	Curative for Japanese beetles.	0.15	0.000	No signs of Japanese beetle damage scouted.
myclobutanil	Curative for treatment for dollar spot.	0.544	0.544	Product rotation and has done well for us in the past.
chlorothalonil	Curative treatment for dollar spot.	10.08	20.160	Increased the rate for better control.
2,4-D	Pest wasn't at threshold.	N/A	6.080	Haven't sprayed for Control in a couple years.
mecoprop	Pest wasn't at threshold.	N/A	3.200	Haven't sprayed for Control in a couple years.
dicamba	Pest wasn't at threshold.	N/A	0.960	Haven't Sprayed for Control in a couple years.

**King's Forest Municipal Golf Course**

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2022	2023	
trifloxystrobin	Preventative treatment for Grey and Pink Mold for overwintering.	1.930	1.700	Decreased this year because of product rotation, trying different chemistries.
fluopyram	Curative treatment for dollar spot.	0.250	0.500	Slight increase this year because of product rotation, trying different chemistries.
tebuconazole	Preventative treatment for Grey and Pink Mold for overwintering.	11.450	9.550	Decreased this year because of product rotation, trying different chemistries.
Fosetyl-AL	Curative treatment for dollar spot.	6.000	12.000	Increase this year because of product rotation, trying different chemistries.
myclobutanil	Curative for treatment for dollar spot.	0.544	0.272	Decreased this year because of product rotation, trying different chemistries.
chlorothalonil	Curative treatment for dollar spot.	20.160	5.040	Decreased this year because of product rotation, trying different chemistries.
2,4-D	Treatment for clover and other broadleaf leaf weeds.	6.080	6.840	Slight increase from last year's application for better control/results. Also, above average seasonal rainfall.
mecoprop	Treatment for clover and other broadleaf leaf weeds.	3.200	3.600	Slight increase from last year's application for better control/results. Also, above average seasonal rainfall.
dicamba	Treatment for clover and other broadleaf leaf weeds.	0.960	1.320	Slight increase from last year's application for better control/results. Also, above average seasonal rainfall.
tetraniliprole	Curative treatment for Black Cut Worm and Annual Bluegrass Weevil	N/A	0.129	The increase is a result of adding new product into our Rotation.

**King's Forest Municipal Golf Course**

Unlisted Pesticide Ingredient	Reason for Use	Total Quantity Unlisted Pesticide Ingredient Used (kg)		Reason for Increase/Decrease from Previous Calendar Year
		2022	2023	
boscalid	Curative treatment for Pythium Blight	N/A	0.636	This increase is a result of adding new product to our rotation.
pyraclostrobin	Curative treatment for Pythium Blight	N/A	0.954	This increase is a result of adding new product to our rotation.
glyphosate acid	Treatment for broadleaf weeds	N/A	0.383	This increase in weed control, is due to above average seasonal rainfall.