PEST CONTROL PRODUCT APPLICATION FORM

Golf Course: _____

Date: _____ am ☐ pm ☐

Applicator name: _____

Current weather conditions: _____ Wind speed: _____

Pests targeted: _____

Preventative: ☐ Curative: ☐ Total area treated (m^2): _____

Treated area location (e.g. Green #18): _____

Reason for application (threshold reached): _____

Sprayer (make & model): _____ Date of last sprayer calibration: _____

A	B	C	D	E	F = CxE
Product Name	Product Rate (L or g/100m^2)	Total Amount of Product Used (L or g)	Active Ingredient (A.I.)	Concentration of Active Ingredient (g A.I. / L or %)	Total Amount of Active Ingredient Used (gm)

(See below for calculation information)

Was any irrigation applied? Please describe:

_____

Comments (problems or issues with application):

_____

Follow-up Comments: *(to be filled out three to seven days following pest control product application)*

Results:

_____

I attest that the above information is accurate and truthful. I also acknowledge that I, and the golf course owner/operator are responsible to be aware of the requirements of IPM Accreditation as defined by the IPM Council of Canada and that failure to meet the requirements can result in loss of the golf course's IPM Accreditation status.

Applicator signature: _____

IPM Agent name: _____ IPM Certification #: _____

IPM Agent signature: _____

Calculating Total Grams of Active Ingredient Applied (gai) From Total Product Used

Pesticide labels present the guarantee of active ingredient as either a percentage of the product or as a weight per volume. Here is how to convert the amount of product used to grams of active ingredient (gai) applied.

Product Type 1 – A dry product with the guarantee expressed as percent weight/weight (%)

Example: Applicator added 1 kg. Senator® 70WP fungicide to the spray tank.
Guarantee is expressed as a percentage (%) as found on the primary display panel

Calculation:
Senator® 70WP is 70% active ingredient thiophanate-methyl.
70% of 1 kg = 0.70 x 1 = 0.7 kg. active ingredient was applied

To express this as grams of active ingredient:
1 kg = 1000 g, therefore, 70 % of 1000 = 0.70 x 1000 = **700 gai** was applied

Product Type 2 – A liquid product with the guarantee expressed as grams/litre (g/L)

Example A: The applicator added 1 L of Heritage MAXX® fungicide to the spray tank.
Guarantee is expressed as grams of active ingredient per litre as found on the primary display label
Heritage MAXX® contains 95 g active ingredient azoxystrobin per litre (95 g/L)

Calculation A: The product contains 95 g of active ingredient in each litre, therefore, 95 g/L x 1 L = **95 gai**

Example B: The applicator added 250 mL of Heritage MAXX® to the spray tank.

Calculation B: The product contains 95 g of active ingredient in each litre.
First convert millilitres (mL) to litres (L): 1 L = 1000 mL, therefore, 250 mL = 250/1000 = 0.25 L
Now multiply by the gai/L to calculate the gai applied: 0.25 L x 95 gai/L = **23.75 gai**

Product Type 3 – A liquid product with the guarantee expressed as a percentage (%)

Example A: The applicator added 1 L of Primo MAXX® to the spray tank. Primo MAXX® is 11.3% trinexapac-ethyl

Calculation A:
STOP! You cannot convert a % of a liquid directly to gai. You must find the product guarantee presented as gai/L by referencing summary tables or by calling the manufacturer. The actual guarantee for Primo MAXX ®is 120 gai/L
The product contains 120 g of active ingredient in each litre, therefore, 120 g/L x 1 L = **120 gai**

Calculation B:
The applicator added 250 mL of Primo MAXX ®to the spray tank. The product contains 120 g of active ingredient in each litre. First convert mL to L: 1 L = 1000 mL, therefore, 250 mL /1000 = 0.25 L
Now multiply by the gai/L to calculate the gai applied: 0.25 L x 120 gai/L = **30 gai**

Transferring total active ingredients applied to the Annual Report – Pest Control Product Usage:
The Annual Report, as specified by O. Reg. 63/09 requires all active ingredients be expressed in kilograms (kg).
Total all gai applied during the season by active ingredient and divide by 1000 to determine total amounts applied expressed in kg.