

Plant Health Atlantic Council & N.B. Environment & Climate Change Updates

Ken Browne



TOPICS TO BE COVERED

- ▶ NB Environment and Climate Change Update
 - ▶ 2023 Permit Conditions
 - ▶ Provisional Permits
 - ▶ Concerns for 2023
- ▶ Application Rates for Herbicide Tank Mixes
- ▶ Herbicides and Insecticides registered for 2023
- ▶ Desk Audits for 2022



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General Requirements for Landscape & Golf PRODUCT PURCHASES

GOLF

- ▶ Proof of General Class L1 Applicator Certificate - NBECC
- ▶ IPM Valid Accreditation number - issued by PHAC

LANDSCAPE

- ▶ Proof of Valid Operator's Licence or Permit - issued by NBECC
- ▶ Proof of Valid IPM Accreditation number - issued by PHAC
- ▶ Proof of Commercial Class D1 Applicator Certificate - ENB
 - ▶ Re-write exam every 5 year - check dates



General Requirements for Landscape & Golf Applicator Certification Training

GOLF TRAINING SESSION

- ▶ General Class L1 Applicator Certificate
- ▶ April 13, 2023. 8:30am - 3:00pm
- ▶ <https://nbcc.ca/programs-courses/part-time-education/course-details?crs=675627>

LANDSCAPE TRAINING SESSION

- ▶ Landscape Class D1 Applicator Certificate
- ▶ April 13 and April 17, 2023. 8:30am - 3:00pm
- ▶ <https://nbcc.ca/programs-courses/part-time-education/course-details?crs=675627>
- ▶ <https://nbcc.ca/programs-courses/part-time-education/course-details?crs=676983>

General Requirements for Landscape & Golf PESTICIDE STORAGE REQUIREMENTS

- ▶ **Floor impermeable to pesticides - contain at least 110% volume of product stored (containing no active floor drains)**
- ▶ **Restrict access to authorized (certified) personnel only.** Doors and windows that lock.
- ▶ A contingency plan in place (a sample contingency plan is available online or upon request to the Pesticide Unit).
- ▶ Adequate Ventilation & Sufficient lighting.
- ▶ Appropriate materials for the containment and cleanup of a pesticide spill.

General Requirements for Landscape & Golf PESTICIDE STORAGE REQUIREMENTS

- ▶ A first aid kit, respirator with NIOSH approved pesticide cartridges and protective clothing (eye protection, gloves, coveralls, and boots) stored in an accessible location and maintained
- ▶ Posted with a bilingual sign (at all access points) containing the words "Pesticide Storage; Authorized Persons Only; No Smoking". (A sample sign is available online or upon request to the Pesticide Unit.)
- ▶ Used exclusively for storage of pesticides

General Requirements for Landscape PERMIT CONDITIONS - STORAGE

- ▶ **Per permit condition 20:** The Permit holder shall ensure that the local Fire Department and local office of the Department of Public Safety are notified as to the location of all pesticide storage facilities for which the *Permit Holder* is responsible and must also supply a copy of the *Permit Holder's* Contingency Plan.

General Requirements for Landscape PERMIT CONDITIONS - STORAGE

- Per permit condition 21: A copy of the *Permit Holder's* permit and Contingency Plan, along with appropriate pesticide product labels and applicable Safety Data Sheets (SDS), must be **available at all pesticide storage areas and in all vehicles carrying pesticides.**

NOT ACCEPTABLE STORAGE



ACCEPTABLE CONTAINMENT STORAGE



General Requirements for Landscape & Golf CONTAINER DISPOSAL

► CONTAINERS

- Some vendors are part of AWSA - Clean Farms Program pesticide container recycle program for non-deposit 23L clean plastic containers.
- Triple rinse, remove labels & caps.
- Return to designated vendor - no charge
- Contact PHAC for list of sites
- <https://csmapp.cleanfarms.ca/FindMap>



General Requirements for Landscape & Golf DISPOSAL

- ▶ UNWANTED PRODUCT
 - ▶ Contact NB Environment & Climate Change for any disposal questions.
 - ▶ AWSA (Clean Farms Program) holds clean-up day for unwanted pesticides about every 3 years.
 - ▶ Excellent time to clean out unwanted / dated products.
 - ▶ NB Province wide collection was last done in 2021.
 - ▶ PHAC will notify members of date(s) and drop-off locations when next available.

General Requirements for Lawn Care LANDSCAPE PERMIT CONDITIONS

- ▶ Canadian registered products only. NO USA – EPA products.
- ▶ Must comply with all label conditions (mixing rates, # of applications per season, timing, etc.)
- ▶ No products containing 2,4-D
- ▶ Limited number of products available for applications over 5 meters.
 - ▶ *only use oils, soaps, and biologicals registered as pesticides for the control of insects.*

General Requirements for Landscape LANDSCAPE PERMIT CONDITIONS

- ▶ Pesticide applications to a school or day-care property are only to be conducted during prolonged periods of vacancy (48 hours or more)
- ▶ Alternative methods for disease, insect, or weed management has been considered before using pesticides.
- ▶ Shall not apply pesticides (fungicides, herbicides and/or insecticides) to an area greater than fifty percent (50%) of total lawn/turf area per property, per season.

General Requirements for Landscape PERMIT CONDITIONS

- ▶ All gas/electric powered application equipment must have digital flow meter.
- ▶ Wind speed max is 16km/hr or less if stated on the label.
- ▶ Surface water setback is 15 m.
- ▶ Posting of all applications.

General Requirements for Landscape PERMIT CONDITIONS

- ▶ When conducting a pesticide application to ornamentals, shrubs, or trees **over five metres (5 m) in height**
 - ▶ Written permission must be received from adjacent landowners prior to the commencement of the treatment.
 - ▶ Wind speed not to exceed 5 km/hr or less if stated on the label.
 - ▶ Surface water setback increased to 30 m.
 - ▶ Posting of all applications.

General Requirements for Landscape POSTING - SIGNAGE

- ▶ **Must clearly post the treatment area at all points of public access. ISSUE WITH NBECC**
 - ▶ Visible to anyone approaching the site on foot.
 - ▶ Typically require minimum of 2 per site
 - ▶ May need 3 for corner properties – more for industrial, schools, parks
- ▶ Posting of 'non-pesticide treatment' signs.
 - ▶ Is acceptable – voluntary.

General Requirements for Landscape POSTING - SIGNAGE

Contain the following information:

- ▶ Operator name or logo and phone number
- ▶ “Post for a minimum of 24 hours (remove after 48 hours)”

NOTE

- ▶ For all application of pesticides to a common area of a multi-unit dwelling (apartments, townhouses, etc.) **all entrances to that dwelling must be posted** prior to the commencement of any pesticide application.

General Requirements for Landscape POSTING - SIGNAGE

- ▶ The property owner must be informed that these signs must stay in place for a minimum of **24 hours** after the application of pesticide and must be removed no later than **48 hours** following the treatment.
- ▶ NBECC has received complaints regarding signs still posted well after the 48 hour removal time. We don't want situation as in PEI with mandatory removal so be sure to inform client to remove after 48 hours.
- ▶ **NBECC has not been considering it as direct non-compliance. Want industry to pay some attention.**

General Requirements for Landscape PERMIT CONDITIONS

► TREATMENT RECORD KEEPING

- Maintain a record of each property that was treated (address, property description).
- Date and time of the application.
- Weather conditions, wind speed and direction.
- Specific type of pest that was being targeted.
- Quantity of pesticide that were used in the treatment.
- Can use example in PHAC Desk Audit.

General Requirements for Landscape PROVISIONAL PERMITS

- A Provisional Permit may be obtained from NBECC to conduct **blanket applications for insect infestations only** where the control application would cause you to exceed the maximum of 50% of the turf area for that property.
- Applies for European chafer & Hairy Chinch Bug control applications.

General Requirements for Landscape PROVISIONAL PERMITS

- For control of Hairy Chinch Bug – you must submit with the application a photo showing the area of the infestation and damage on the property planned for treatment.
- For control of European Chafer – you must submit with the application a photo of the area of the infestation and damage on the property planned for treatment or damage from another property within 250m of the property planned for treatment.

General Requirements for Landscape PROVISIONAL PERMITS

- Application and payment for Provisional Permits can be made on-line by visiting: Call Tanya London
<https://www.pwx1.snb.ca/snb9000/product.aspx?productid=A001P390017&l=e>
- **Good for single application per property only.**
- Applies to insecticide applications only
- Application made on-line with photo of damage - \$50/request.
- **Provisional Permit must be received prior to application.**
- Further comments at Panel Discussion.

ENVIRONMENT ENFORCEMENT & COMPLIANCE

- ▶ NBECC will be using regional inspectors to help monitor & enforce regulations in 2023.
- ▶ NBECC plan some unannounced Spot Audits of golf courses & landscape facilities in 2023.
- ▶ COMPLIANCE - Inspecting permit condition, only registered products being used, site record keeping, **provisional permits**, signage & storage facilities.
- ▶ **Signage issues (removal & location) & record keeping wanting in 2022.**
- ▶ Health Canada may also do some spot audits in 2023.

Plant Health Atlantic Council Enforcement & Compliance Process

- ▶ Enforcement & Compliance Committee
- ▶ **Standards of Practice established for each sector**
- ▶ PHAC auditor will investigate all reported violations and complaints. **Held in confidence.** Advise Committee.
- ▶ Auditor can conduct unannounced Spot Audits. **Number done each year - complaints, blanket spraying, wind.**
- ▶ Executive may suspend, revoke, or cancel an individual's certificate or may reduce, suspend, revoke, or cancel IPM Accreditation status. Has happened.

Plant Health Atlantic Council Enforcement & Compliance

- ▶ **Action taken if member:**
 - ▶ Fails to follow the PHAC Standards of Practice
 - ▶ Found to be in violation of provincial or federal pesticide legislation (non-registered product – no licence, etc.)
 - ▶ Knowingly present false or misleading information to an auditor on a Desk Audit or during an On-site or Spot Audit

Plant Health Atlantic Council Enforcement & Compliance

- ▶ **Action taken if member:**
 - ▶ At the Baseline or Introductory IPM Accreditation level and are misrepresenting their status of IPM Accreditation – Example: by using PHA logo.
 - ▶ Knowingly present false or misleading information to a client

Status of IPM programs

- ▶ There are approximately (45) lawn care companies, (36) golf courses and (1) municipality actively in the Accreditation Program and (112) IPM Certified Turf Practitioners active in the program.
- ▶ IPM on voluntary basis 2007 – 2009
- ▶ Mandatory 2010 – present.
- ▶ IPM Accreditation became mandatory for companies applying insecticides in Summerside PEI since 2017.
- ▶ Well received by NBECC - Minister

AVAILABLE HERBICIDES FOR 2023

Visit PHAC web site for latest updates
<https://www.planthealthatlantic.ca/en/>

Status of MECOPROP for 2023

- ▶ There maybe a shortage of Mecoprop again in 2023.
- ▶ In anticipation PHAC approached Health Canada Enforcement Section and received confirmation that it would not be a violation of the either label if you choose to tank mixed MCPA and Vanquish.

Recommended Rates:

- ▶ **MCPA 500 at 25ml/100m² AND Vanquish at 1.5 - 2.8ml/100m²**
- ▶ **MCPA 600 at 21ml/100m² AND Vanquish at 1.5 - 2.8ml/100m²**

SPREADSHEET FOR HERBICIDE TANK MIXING RATES - based on 10 L/100m² calibration

Email: atlisnb2003@yahoo.com (Ken Browne)

				MCPA	MCPA	Mecoprop	Mecoprop	Vanquish	Vanquish
	TANK MIX	Calibration Rate L/100sq m	Area 100L treats Sq m	Application rate ml/100sq M	Application rate ml to add for each 100L	Application rate ml/100sq M	Application rate ml to add for each 100L	Application rate ml/100sq M	Application rate ml to add for each 100L
MCPA 600 Triple mix		10	1000	21	210	37	370.0	1.5	15.0
Without Vanquish		10	1000	21	210	55	550.0	NONE	0.0
Without Vanquish		10	1000	21	210	85	850.0	NONE	0.0
MCPA only		10	1000	21	210	NONE	NONE	NONE	NONE
MCPA + Vanquish		10	1000	21	210	NONE	NONE	2.8	28.0

**SPREADSHEET FOR HERBICIDE TANK MIXING
RATES - based on 7.5 L/100m² calibration**
Email: atlisnb2003@yahoo.com (Ken Browne)

	TANK MIX	Calibration Rate L/100sq m	Area 100L treats Sq m	MCPA Application rate ml/100sq M	MCPA ml to add for each 100L	Mecoprop Application rate ml/100sq M	Mecoprop ml to add for each 100L	Vanquish Application rate ml/100sq M	Vanquish ml to add for each 100L
MCPA 600 Triple mix Without Vanquish	7.5	1333	21	280	37	493.3	1.5	20.0	
Without Vanquish	7.5	1333	21	280	55	733.3		0.0	
Without Vanquish	7.5	1333	21	280	85	1133.3		0.0	
MCPA only	7.5	1333	21	280	NONE	NONE	NONE	NONE	
MCPA + Vanquish	7.5	1333	21	280	NONE	NONE	2.8	37.3	

32

**2023 LIST OF NON- NEONICOTINOID PRODUCTS
INSECTICIDES REGISTERED FOR TURF MANAGEMENT**

Product	Registered Pest
Tetrino 33714	Larvae of European chafer, Japanese beetle, June beetle, cutworm, sod webworm & Chinch bug.
BioTitan WP 33923	Chinch bug and larvae of European chafer and Japanese beetle.
BioTitan GR 33924	Chinch bug and larvae of European chafer and Japanese beetle
Met52 EC 30829	Hairy Chinch bug & ticks
ACELEPRYN G 33498	Larvae of European chafer and June beetle and suppression of chinch bugs
ACELEPRYN - 28980	Black Cutworm, European Chafer, European Crane Fly Annual Bluegrass Weevil
DELTAGARD - 28791	Chinch bugs, sod webworm, cutworm
Grub Terminator 33319	European chafer May or June beetles

2023 LIST OF INSECTICIDES REGISTERED FOR TURF MANAGEMENT

PRODUCTS CONTAINING IMIDACLOPRID – LAST YEAR OF USE

- May 19, 2023 – after this date retailers can no longer sell any of these products with the old label. Landscape and golf courses can still apply any of these products on hand, **provided they have the old label.**
- **May 19, 2024 – The last date any of these products can be used by landscape or golf, even if stated on the label. Products with the old label must be destroyed.**
- **Registered Pests** - European Chafer and European Crane Fly only.
 - Merit Granular. 25933
 - Merit Solupak Insecticide. 25932
 - Quali-Pro Imidacloprid 75 WSP. 29130
 - Quali-Pro Imidacloprid 0.5 Granular Insecticide. 29185

34

2023 LIST OF INSECTICIDES REGISTERED FOR TURF MANAGEMENT

Clothianidin 2023 season update for **use on Golf Courses only.**

- Products containing the active ingredient **Clothianidin** (e.g. Arena PCP:29383) **can still be used by golf courses and sod farms through the 2023 season** for **European Chafers**, Japanese Beetle, Masked Chafers, Oriental Beetle and Asianic Garden Beetle at a maximum foliar rate on turf to a single application of 125 g a.i./ha per season

35

LABEL SEARCH

LABEL SEARCH - HEALTH CANADA

- ▶ <https://pr-rp.hc-sc.gc.ca/lr-re/index-eng.php>

How to search for labels

- ▶ **CRITERIA BOX:** Enter the text you wish to search for: PCP# or product name (e.g. enter 28980 or Acelepryn)
- ▶ **Search Field:** select PCP# or product name
- ▶ Scroll down and click on: Submit Search Requirements
- ▶ Click on PCP number



36

On-line sites

- ▶ Services
 - ▶ <http://www2.gnb.ca/content/gnb/en/departments/elg.html>
- ▶ On-line Pesticide Certification
 - ▶ http://www2.gnb.ca/content/gnb/en/departments/elg/services/services_renderer.2915.Pesticide_Applicator_Certificate.html
- ▶ On-line Application:
 - ▶ <https://www.pxw1.snb.ca/snb9000/product.aspx?productid=A001P391000&SMLOCALE=US-EN&l=e>
- ▶ Pesticide Operators Licence
 - ▶ http://www2.gnb.ca/content/gnb/en/departments/elg/services/services_renderer.2876.Pesticide_Operator_Licence.html

37

On-line sites

- ▶ Pesticide Permits - including provisional permits
 - ▶ http://www2.gnb.ca/content/gnb/en/departments/elg/services/services_renderer.578.Pesticide_Permit.html
- ▶ Application for Pesticide Approvals;
 - ▶ <https://www.pxw1.snb.ca/snb9000/product.aspx?productid=A001P391000&SMLOCALE=US-EN&l=e>
- ▶ Provisional Permits
 - ▶ <https://www.pxw1.snb.ca/snb9000/product.aspx?productid=A001P390017&l=e>

38

THANKS YOU

- ▶ SEND INQUIRIES TO KEN BROWNE
 - ▶ atlisnb2003@yahoo.com
 - ▶ KEEP SAFE



39