



VEGETABLE HERBICIDE EFFICACY CHART

Nova Scotia Vegetable Crop Guide to Pest Management 2010
[HER1-10]

Revised April 7, 2010 by

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IMPORTANT

This efficacy chart was created to give producers an idea of general herbicide efficacy on various common vegetable weeds in Nova Scotia. This guide should be used in association with the individual crop pest guide. Only herbicides listed in the individual crop pest guides may be used on that crop. This publication was compiled by representatives from AgraPoint using information from the Pest Management Regulatory Agency of Health Canada, specific pesticide labels, and other provincial pest management guides (OMAFRA publication 75, NBDAFA Strawberry IPM Weed Management Guide). The label is the best source of information on: registered crop uses, rates, days to harvest, compatibility with other pesticides, toxicity and other special information on its effective and safe use

By printing this publication, AgraPoint does not offer any warranty or guarantee, nor do they assume any liability for any crop loss, animal loss, health, safety or environmental hazard caused by the use of a pesticide mentioned in this publication.

WARNINGS

This publication is meant to be used as a reference for possible pest control options. Where there are multiple brand names of a specific active ingredient registered in Canada, AgraPoint has only listed a couple for reference purposes and as such does not endorse one brand over another. If you have purchased a generic product not specifically in this guide but has your crop and pest on the label, always follow that product label.

If any information in this or any other publication conflicts with the information on the label, always use the label recommendation. If you have an old label, your pesticide supplier should be able to give you the newest label. You are legally responsible for the safe use of pesticides you purchase. This means the safe transport and storage of these materials, the label rates used on crops, and the safe disposal of containers.

	Grasses					Annual Broadleaf Weeds										Perennials				
	barnyard grass	crabgrass	foxtails	quackgrass	witchgrass	buckwheat, wild	cleavers	common groundsel	corn spurry	lady's thumb	lamb's quarters	redroot pigweed	ragweed	wild radish	chickweed	Canada thistle	goldenrod spp.	horsetail	sowthistle	vetch
Preplant Cleanup																				
ROUNDUP	E	E	E	E	E	E	P	E	E	G	E	E	E	E	E	E	E	P	?	F
LIBERTY	E	E	E	E	E	E														
Soil Applied Grass Herbicides																				
DUAL II MAGNUM	E	E	E	P	E	P	P	?	P	P	G	G	F	P	?	P	?	P	P	P
EPTAM	E	E	E	F	E	P	P	?	?	G	G	G	P	P	?	?	?	?	?	?
FRONTIER	E	E	E	P	E	P	P	?	?	P	G	G	P	P	?	P	?	P	P	?
Soil Applied Broadleaf Herbicides																				
ALANAP	F	G	G	F	?	F		?	?	E	E	G	F	F	?	F	?	F	F	?
GESAGARD	?	?	E	?	?	?		?	?	G	E	G	F	G	?	?	?	?	?	?
CHATEAU	F	P	E	P	P	?	?	G	?	F	E	E	E	G	G	P	P	?	?	?
LOROX	G	F	G	P	G	G		?	?	E	E	E	G	E	?	P	?	P	P	?
PYRAMIN	F	F	F	F	F	G		?	?	G	G	G	G	G	?	F	?	F	F	?
SENCOR	G	F	G	P	G	G		?	?	E	E	E	E	E	?	P	?	P	P	?
Soil Applied Grass and Broadleaf Herbicides																				
DEVRIOL	G	E	G	P	G	F	P	G	F	F	G	G	G	P	G	F	P	P	F	P
DACTHAL W-75	G	G	G	P	G	P		P	F	P	G	F	P	P	G	P	P	P	P	P
KARMEX	E	G	G	F	?	G		?	?	G	E	G	E	G	?	F	?	F	F	F
KERB	G	G	G	G	G	?		?	G	F	F	P	P	P	E	P	?	F	P	P
NORTRON	G	F	G	F	G	G		?	?	G	G	G	G	G	?	F	?	P	P	?
PURSUIT	G	G	E	F	E	G		?	?	E	E	E	G	E	?	?	?	?	?	?
PRINCEP NINE-T	E	G	E	P	E	F		P	G	E	E	E	E	E	E	P	?	P	P	P
PROWL	E	E	G	?	?	?		?	?	F	E	G	P	?	?	?	?	?	?	?

SINBAR	G	G	G	F	G	G		F	F	G	E	G	E	E	E	F	P	F	?	P
	Grasses					Annual Broadleaf Weeds										Perennials				
	barnyard grass	crabgrass	foxtails	quackgrass	witchgrass	buckwheat, wild	cleavers	common groundsel	corn spurry	lady's thumb	lamb's quarters	Redroot pigweed	ragweed	wild radish	chickweed	Canada thistle	goldenrod spp.	horsetail	sowthistle	vetch
TREFLAN	E	E	E	P	E	P		?	F-G	G	G	G	P	P	G	P	?	P	P	P
Stale Seedbed																				
GRAMOXONE	E	E	E	P	E	E	E	E	E	E	E	E	E	E	E	P	P	P	P	P
REGLONE	E	E	E	P	E	E	E	E	E	E	E	E	E	E	E	P	P	P	P	P
Postemergence Grass Herbicides																				
EXCEL SUPER	E	G	E	P	E	P	P	?	?	P	P	P	P	P	?	P	?	P	P	?
KERB	G	G	G	G	?	?	P	?	G	P	P	F	P	P	E	P	?	F	P	?
POAST ULTRA	E	G	E	F	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
SELECT	E	G	G	G	E	P	P	?	?	P	P	P	P	P	?	P	?	P	P	?
VENTURE L	G	G	G	G	E	P	P	P	P	P	P	P	P	P	P	P	?	P	P	P
Postemergence Broadleaf Herbicides																				
2,4-D	P	P	P	P	P	G		F	P	F	E	G	G	E	P	G	?	P	G	F-G
GOAL 2XL	P	P	P	P	P	G		G?	P	G	G	G	P	P	P	F	P	P	F	P
Herbicide Oil	?	?	?	F	?	?		?	?	F	G	G	F	G	?	F	?	F	F	?
LONTREL	P	P	P	F	P	G		E	P	G	P-F	P	E	P	P	G	?	P	G	E
MCPA	P	P	P	P	P	P		?	?	P	E	E	G	E	?	G	?	G	G	?
PARDNER	P	P	P	P	P	E		?	?	E	E	G	E	G	?	G	?	P	G	?
PINNACLE	P	P	P	P	P	?		?	?	G	E	E	F	G	?	P	?	P	P	?
TROPITOX PLUS	P	P	P	P	P	G		?	?	G	G	E	E	G	?	G	?	P	G	?
Postemergence Grass and Broadleaf Herbicides																				
LOROX	E	G	G	G	E	G		?	?	G	G	G	G	G	?	G	?	G	G	?

PRISM	E	G	G	G	E	?		?	?	G	G	E	P	E	?	?	?	?	?	
	Grasses					Annual Broadleaf Weeds										Perennials				
	barnyard grass	crabgrass	foxtails	quackgrass	witchgrass	buckwheat, wild	cleavers	common groundsel	corn spurry	lady's thumb	lamb's quarters	Redroot pigweed	ragweed	wild radish	chickweed	Canada thistle	goldenrod spp.	horsetail	sowthistle	vetch
SENCOR	G	G	G	G	E	G		?	?	E	G	G	G	E	?	?	?	?	?	?
Inter-row Shielded																				
GRAMOXONE	E	E	E	P	E	E	E	E	E	E	E	E	E	E	E	P	P	P	P	P
REGLONE	E	E	E	P	E	E	E	E	E	E	E	E	E	E	E	P	P	P	P	P
Preharvest																				
REGLONE																				
IGNITE	E	E	E	G	E	?		?	?	E	E	E	E	E	?	?	?	G	?	?
ROUNDUP	E	E	E	E	E	E		E	E	G	E	E	E	?	E	E	E	P	?	F

Use the following web link to search for any pesticide label mentioned in this guide, or any other pesticide registered in Canada:

http://pr-rp.pmra-arla.gc.ca/portal/page?_pageid=34,17551&_dad=portal&_schema=PORTAL

PESTICIDE EMERGENCY CONTACT INFORMATION

Poison Control Centres		
Nova Scotia	800.565.8161 or 902.428.8161	IWK, Halifax, NS
New Brunswick	911	Ask for Poison Information
Prince Edward Island	800.565.8161 or 902.428.8161	IWK, Halifax, NS
Newfoundland	709.722.1110	Dr. Charles A. Janeway Child Health Care Centre, St. John's, NF

Environmental Emergencies (Pesticide Spills)	
Transport Canada Regional Operations Centre (24 hours)	
Nova Scotia	800.565.1633
New Brunswick	800.565.1633
Prince Edward Island	800.565.1633
Newfoundland	800.563.9089

ABBREVIATIONS & CONVERSIONS

Formulation and Measurement Abbreviations			
FORMULATIONS		MEASUREMENTS	
DF	Dry flowable	mL	millilitre
EC, E	Emulsifiable concentrate	kPa	kilopascal
L	Liquid	kg	kilogram
Sn / Su	Suspension	g	gram
WP/W	Wettable powder	L	litre
		BIU	Billions of International Units
		ppm	parts per million (1000 ppb)
		ppb	parts per billion (1/1000 ppm)

Helpful Conversions¹	
kPa X 0.14 = pounds per square inch (psi)	millilitres X 0.035 = fluid ounces
hectares X 2.47 = acres	litres X 35 = fluid ounces
kilograms X 2.2 = pounds	litres X 0.22 = imperial gallons
kilograms per hectare X 0.89 = pounds per acre	litres per hectare X 14.17 = fluid ounces per acre
kilograms per hectare X 0.40 = kilograms per acre	litres per hectare X 0.40 = litres per acre
	degree-days C X 1.8 = degree-days F

¹ **Pesticide Units of Measurement**

It is not recommended to convert label rates to imperial units because there is a high probability of mathematical and rounding errors. Present day pesticides are formulated to be more effective in smaller amounts. Therefore, even small conversion errors can lead to the use of incorrect rates (either too high or too low). Use metric – you will be glad you did!