

Nova Scotia Weed Priority Worksheet – 2021 – Vegetable Crops

Crop Group	Crop	Target Pest	Priority Rank 2020	Priority Rank 2021	Potential Solution	Comments / Rationale
Crop Group 1: Root and tuber vegetables, (Carrot, potato, radish and sugar beet)						
1	Beet, garden	Grasses	3			Command good preliminary results, crop recovered well, issue with buffer zones and no registrant support. Not to be applied to muck soils due to reduced efficacy. Venture, tentative registrant support – need joint project for CG 1. Nortron support from Bayer.
1	Beet, Garden	Broadleaf weeds (incl. redroot pigweed, common ragweed)	2			Nortron, submitted to PMRA; Lontrel, use accepted by PMRA; Dual Magnum & Dual II Magnum only offers suppression; Aim can only be applied between rows; Screening trials in QC.
1	Beet, Garden	Cleavers	1			
1	Carrot	Broadleaf weeds (incl. ragweed, smartweed, mineral and muck soil)	1			Frontier, withdrawn, Blazer Ultra, submitted to PMRA. No Bayer registrant support for Emerger. Gowan registrant support for Edge pending crop tolerance and residue studies. Nufarm support for Goal. Belchim support for Tough when applied prior to crop emergence or 3 leaf stage.  Linuron resistant ragweed concerns and in addition these are triazine-resistant biotypes so metribuzin is not a control option
1	Carrot	Yellow nutsedge	4			
1	Carrot	cleavers	2			

1	Carrot	Scentless chamomile	3			
1	Parsnip	Cleavers	2			
1	Parsnip	Broadleaf weeds (incl. ragweed, redroot pigweed, hairy galinsoga, mineral and muck soil)	1			Edge, conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment. Bonanza 480, Loveland support confirmed. No support from Gowan, Treflan EC.
1	Potato	Cleavers	2			
1	Potato	Broadleaf weeds	1			Prowl H2O, Linuron replacement. Authority, registered on STZ Herbicide for use with Sencor 75DF.
1	Rutabaga	Broadleaf weeds	1			Frontier, withdrawn; Edge, conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment. Registrant support with crop tolerance data. Lentigran likely the better product for crop safety but further away from registration.
<b>Crop Group 3: Bulb vegetables ( Onion, bulb, Onion, green)</b>						
3-07	Leeks	broadleaf	1			Chateau, registrant would need crop tolerance data. Goal, registrant support confirmed. Bonanza 480, no registrant response. No support from Gowan for Treflan EC.

3-07	Onions, bulb	Yellow nutsedge	4			Acceptable ON crop tolerance data exists; Frontier Max, data generation, mineral soil only, S-metolachlor under re-evaluation.
3-07	Onions, bulb	Chickweed	1			K-I support residue study. Need marketing partner's support (BASF).
3-07	Onion, bulb	Ragweed	2			
3-07	Onion, bulb	broadleaf	3			Prowl H2O, complete; Lontrel, reporting phase. Basagran, BASF does not support at this time. Chateau add a second treatment at half dose. Goal, registrant support confirmed. Prowl, add a third treatment.
3-07	Onions, green	Broadleaved weeds	1			SYNA16003, data generation. Goal 2XL, project initiated
3-07	Onions, green	cleavers	2			Registrant support confirmed
3-07	Garlic	broadleaf	1			Frontier, project withdrawn; need fall pre-emergent. Goal, no product registered for this pest - registrant support confirmed. Pyroxasulfone 85WG / Zidua, K-I support residue study. Need marketing partner's support (BASF).
Crop group 4: Leafy vegetables (Celery, head lettuce, leaf lettuce and spinach)						
4	Celery	pineapple weed	2			Linuron replacement
4	Celery	ragweed	1			
4	Lettuce, Head	Shepherds purse	3			

	(field)					
4	Lettuce, Head (field)	chickweed	2			
4	Lettuce, Head (field)	Broadleaf weeds	1			
4	Lettuce, leaf (field)	Broadleaved weeds	1			
4	Spinach	Broadleaved weeds	1			Everest, withdrawn, Dual II Magnum, withdrawn, Dual Magnum, withdrawn
4	Spinach	cleavers	2			
4	Spinach, baby	Broadleaved weeds	1			Short PHI needed
Crop Group 5: Cole crops ( Broccoli or cauliflower, cabbage and mustard greens)						
5	Broccoli	Broadleaf weeds	1			Frontier, withdrawn, Château, use accepted by PMRA, Goal, use accepted by PMRA; Venture, data generation; Authority, data generation.
5	Cabbage	Broadleaf weeds	1			Chateau, withdrawn; Venture, data generation; Command, project withdrawn; Authority, data generation. No registrant support of Command due to phyto in 2018 work. On Authority label
5	Cauliflower	Broadleaf weeds	1			
5	Brussels' sprouts	Broadleaf weeds	1			Lontrel

5	Collards		None			
5	Kale	Broadleaf Weeds	1			
5	Chinese cabbage	Broadleaf weeds	1			
Crop Group 6: Legume vegetables ( Bean, pea and soybean)						
6	Bean, dry	Carpetweed	3			
6	Bean, dry	Sandwort	1			
6	Bean, dry	Crab and annual grasses	2			
Crop Group 8: Fruiting vegetables (Tomato, bell pepper and one cultivar of non bell pepper)						
08-09B	Pepper (field)	Nightshade	1			Chateau, use registered. Rotation issue with cucurbits, escapes Sandea, used command with some effect
Crop Group 9: Cucurbits, (Cucumber, muskmelon and summer squash)						
9	Cucumber	Broadleaf weeds	1			Ignite, reporting phase; Edge, conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment.
9	Pumpkin	Broadleaf weeds	1			Dual II Magnum, use accepted by PMRA; processing pumpkins are already on label; not for use on jack-o-lantern pumpkins. Edge, conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment.

9	Squash, summer	Weeds	1			Goal, submitted to registrant; Ignite, reporting phase; Granular formulation of Edge in CAN only; Conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment
9	Squash, winter	Broadleaf weeds	1			Edge, Conditional support from registrant. Note only granular formulation is available in Canada. Requires appropriate dry granular herbicide application equipment.
Not Included in any crop Group						
22A	Asparagus	Broadleaf weeds, perennial (incl. tufted vetch, redroot pigweed)	1			Authority 480, use registered for labelled weeds. Also consider bindweed and quackgrass. Corteva supports Lontrel XC but needs Canadian crop safety data. Adama would support Clopyralid 360 SL.
22A	Asparagus	Horsetail	2			
22A	Asparagus	Perennial grasses	3			