

Nova Scotia Entomology Pest Priority Worksheet – 2020 – Berry Crops (Excluding wild blueberry)

Crop Group	Crop	Target Pest	Priority Rank 2019	Priority Rank 2020	Potential Solution	Comments / Rationale
Crop Group 13-07: Black berry or raspberry, highbush blueberry, elderberry or mulberry, grape, strawberry, and fuzzy kiwifruit)						
13-07 B	Blueberry, highbush	Blueberry maggot	4	4		Assail, use accepted by PMRA; Movento, use accepted by PMRA; Sivanto, use accepted by PMRA; Issues with international plant health restrictions for sales
13-07 B	Blueberry, highbush	SWD	1	1		Upcyde registered; Vestaron would support Spear T but efficacy?; Capture withdrawn; Ripcord use accepted by PMRA; Danitol submitted to PMRA; Malathion submitted to PMRA; Mako submitted to PMRA Short PHI, # of applications Not enough apps to get through season
13-07 B	Blueberry, highbush	Winter moth	none	none		Delegate WG (spinetoram) registered 2011
13-07 B	Blueberry, highbush	Leaf hopper (blueberry stunt)	3	3		Rotational product (short PHI)
13-07 B	Blueberry, highbush	Cranberry fruit worm/ cherry fruit worm	2	2		Avaunt submitted to registrant; Altacor use accepted by PMRA; Rimon use accepted by PMRA; Assail use accepted by PMRA; Vestaron would support Spear-Lep
13-07 G,H	Cranberry	Sparganothis	4	4		Altacor use accepted by PMRA; Exirel use accepted by PMRA; Pyganic, submitted to PMRA; Vestaron would support Spear-Lep
13-07 G,H	Cranberry	Weevils (incl. black vine weevil, cranberry weevil)	1	1		Registrant support for Verimark, need to confirm efficacy

13-07 G,H	Cranberry	Blackheaded fireworm, spanworms	3	3		Altacor use accepted by PMRA; Exirel use accepted by PMRA; Pyganic submitted to PMRA; Registrant support for Harvanta; Vestaron would support Spear-Lep Not enough apps to get through season
13-07 G,H	Cranberry	Fruitworm	2	2		Altacor use accepted by PMRA; Exirel use accepted by PMRA; Pyganic, submitted to PMRA; Vestaron would support Spear-Lep Not enough apps to get through season
13-07 F	Grape, wine	Grape Erineum mite	3	4		Registrant will support Movento with efficacy data
13-07 F	Grape, wine	Cottony maple scale	2	3		
13-07 F	Grape, wine	European fruit lecanium	1	1		
13-07 F	Grape, wine	swd	none	none		
13-07 F	Grape, wine	phylloxera	4	2		Assail 70WP use accepted by PMRA; Bayer would support Sivanto Prime with efficacy data
13-07 F	Grape, wine	Japanese beetle	none	none		
13-07 A	Blackberry	Swd	1	1		Exirel submitted to PMRA; Ripcord submitted to PMRA; Danitol submitted to PMRA; Malathion submitted to PMRA; Mako submitted to PMRA; Vestaron would support Spear T Not enough apps and using same chemistries for multiple pests
13-07 A	Blackberry	Aphid (vector	3	4		Admire use accepted by PMRA;

		control)				Assail use accepted by PMRA; Actara submission withdrawn; Movento use accepted by PMRA; Sivanto use accepted by PMRA; Short PHI and alternate chemistry to neonics needed.
13-07 A	Blackberry	Raspberry fruitworm	2	2		Rotation with Malathion - limited products; Vestaron would support Spear-Lep
13-07 A	Blackberry	Clipper weevil	none	3		Rotation with Malathion - limited products; Vestaron would support Spear-Lep
13-07 A	Raspberry	Swd	2	2		Additional chemistries needed; Vestaron would support Spear T. UpCycle registered; Danitol submitted to PMRA; Malathion submitted to PMRA.
13-07 A	Raspberry	Raspberry horntail/ stem borer sawfly	1	1		Nothing registered
13-07 A	Raspberry	Tarnished plant bug	4	4		Alverde withdrawn; Closer submitted to PMRA. Fall fruiting varieties and early season, short PHI; Rotation with Malathion
13-07 A	Raspberry	Raspberry fruitworm	3	3		DuPont Altacor Insecticide (chlorantraniliprole) registered for Lepidoptera on bushberries. Early season control needed. Rotation with Malathion; Vestaron would support Spear-Lep
13-07 A	Raspberry	Strawberry clipper weevil	5	5		Rotation with Malathion
13-07 A	Raspberry	Aphids	6	6		Short PHI and alternate chemistry with neonics pre-bloom
13-07 A	Raspberry	Crown borer	7	7		Rimon withdrawn; Altacor use

						accepted by PMRA; Registrant support for Exirel pending efficacy data; Vestaron would support Spear-Lep with efficacy data
13-07 G	Strawberry	thrips	7	7		Exirel submitted to PMRA; Beleaf, data generation; Registrant support confirmed for Captiva Prime but efficacy data is lacking; Vestaron would support Spear T with data
13-07 G	Strawberry	aphids	5	6		Assail use accepted by PMRA; Beleaf use accepted by PMRA; Exirel use accepted by PMRA; Registrant support for versys pending efficacy data; short PHI and resistance management
13-07 G	Strawberry	Cyclamen mite	1	1		UPL (Arysta) would support Acramite with efficacy and tolerance data. Nealta ongoing registrant project; GWN 1708 registrant conditional support, efficacy unknown. Vestaron would support Spear T with efficacy data
13-07 G	Strawberry	Root weevils	8	8		Dinotefuran reporting phase; Admire withdrawn; Clutch withdrawn; Actara use accepted by PMRA; Warrior / Matador insecticides registered 2012
13-07 G	Strawberry	Tarnished plant bug	3	4		Alverde withdrawn; Rimon use accepted by PMRA; NeemAzal, withdrawn; Clutch use accepted by PMRA; Beleaf use accepted by PMRA; Pyganic submitted to PMRA; Day neutral and June bearers; short PHI; pollinator safe.
13-07 G	Strawberry	SWD	4	3		Additional chemistries needed; Ripcord submitted to PMRA; Malathion data generation; Mako submitted to PMRA; Fall bearing,

						short PHI < 3 day; Registered; Vestaron would support Spear T
13-07 G	Strawberry	Clipper weevil	2	2		Registrant would support ISM-555 in an APWS screening trial.
13-07 G	Strawberry	Two-spotted spider mite	6	5		Resistance management
13-07 B	Honeysuckle	swd	1	3		Vestaron would support Spear T
13-07 B	Honeysuckle	Japanese beetle	3	2		
13-07 B	Honeysuckle	Lepidoptera	2	1		Vestaron would support Spear-Lep