













Bayer provides solutions to help you grow high-quality grapes, increase yield potential and continuously improve the marketability of your crop.










<div><div></div><div>BAYER</div></div>										
Product	Features and Benefits	Key Pests / Diseases Controlled	WAMLEGS Mixing Order	Maximum Applications per Crop Season	Use Rate	Chemica Class Group No. / Actie Ingredient	Rainfast (hours)	REI (hours)	PHI (days)	
HERBICIDES		A pre-emergent herbicide for excellent control of annual grass and broadleaf weeds	Annual grass and broadleaf weeds. Refer to the Alion® herbicide product label for complete list of weeds and for application timing.	L	Maximum 1 application.	375 mL/ha (152 mL/ac.)	Group 29 (indaziflam)	N/A	12	14
		Unsurpassed and consistent weed control under ideal and tough conditions. Enhanced efficiency with a 540 g/L formulation and a 30-minute rainfast guarantee.	Grass and broadleaf weeds. For a complete list of weeds, refer to the Roundup WeatherMAX® herbicide product label.	G	Refer to Roundup WeatherMAX product label.	Refer to product label for details on use rates, application methods and timing	Group 9 (glyphosate)	0.5	12	14
BIOLOGICAL FUNGICIDE		Provides protection against foliar fungal and bacterial diseases through multiple sites of action with a flexible application. OMRI-certified.	Botrytis grey mould*, powdery mildew*	W	N/A	Botrytis grey mould: 1.7 to 3.3 kg/ha (0.69 to 1.34 kg/ac.) Powdery mildew: 1.7 to 3.3 kg/ha (0.69 to 1.34 kg/ac.)	FRAC Group BM02 (<i>Bacillus subtilis</i> strain QST 713)	2	4	0
FUNGICIDES		A fully systemic fungicide that inhibits pathogen growth at several life stages for better overall disease control	Downy mildew	W	Maximum 7 applications. Do not exceed 26.25 kg/ha (10.62 kg/ac.) per year.	3.75 kg/ha (1.52 kg/ac.)	P07 (Fosetyl AL)	1	Tying/training, leaf pulling (by hand) 18 days (15 days for table grapes) Irrigation line activities – 3 days Other activities 12 hours	15 For hand harvesting wine grapes: 18
		Provides broad-spectrum, long-lasting preventive protection against important diseases in grapes. Low use rates in an easy-to-use liquid SC formulation.	Powdery mildew**, black rot	L	Maximum 4 applications. Maximum 580 mL/ha (235 mL/ac.) per year.	110 to 145 mL/ha (45 to 58 mL/ac.)	Group 11 (trifloxystrobin)	2	Pruning, Thinning, training, leaf pulling – 10 days Other activities – 12 hours	14
		Protects against key diseases throughout the growing season, resulting in improved plant health as well as high-quality crops	Botrytis bunch rot/grey mould, powdery mildew	L	Powdery mildew: maximum 3 to 4 applications depending on total number of fungicide applications. Refer to product label for details. Botrytis grey mould: maximum 2 applications. Maximum 4 L/ha (1.62 L/ac.) per year.	Powdery mildew: 600 mL/ha (242 mL/ac.) Botrytis bunch rot/grey mould: 1,200 mL/ha (485 mL/ac.)	Group 7 & 9 (fluopyram, pyrimethanil)	When dry	Training, tying, pruning, thinning and leaf pulling – 24 hours All other activities – 12 hours	45
		Delivers highly effective protection against powdery mildew and is an excellent rotation and resistance management tool – the only Group 5 fungicide for wine grapes (spiromoxamine)	Powdery mildew	E	Maximum 1.2 L/ha (486 mL/ac.) per year.	400 to 600 mL/ha (162 to 243 mL/ac.)	Group 5 (spiromoxamine)	When dry	17 days for training and leaf pulling All other activities – 12 hours	35
		A systemic fungicide for control of botrytis. It provides translaminar and vapour activity to protect both sides of the leaf and expand the protected area. Scala® fungicide has the unique ability to reduce lacasse – an enzyme produced by botrytis that leads to unfavourable colour, aroma and poor storage stability of wine.	Botrytis grey mould	L	Maximum 3 applications.	2 L/ha (810 mL/ac.)	Group 9 (pyrimethanil)	2	Training, tying, pruning, thinning and leaf pulling – 24 hours All other activities – 12 hours	7
INSECTICIDES		Systemic insecticide that provides economical and enduring control of damaging insects	Japanese beetle (adult), leafhoppers*	L	Leafhopper – Maximum 1 soil application; maximum 2 foliar applications Japanese beetle (adult), leafhopper – Maximum 2 foliar applications	Japanese beetle (adult) – 175 to 200 mL/ha (71 to 81 mL/ac.), leafhoppers – 200 mL/ha (81 mL/ac.)	Group 4A (imidacloprid)	6	12	Foliar application: 0 Soil application: 30
		Features powerful, two-way movement throughout the plant to protect it from a broad range of insects***	Mealybugs, phylloxera, whiteflies, lecanium scale*	L	Maximum 920 mL/ha (372 mL/ac.) per year.***	Whiteflies: 365 to 435 mL/ha (148 to 176 mL/ac.) Lecanium scale, mealybugs, phylloxera: 365 to 585 mL/ha (148 to 237 mL/ac.)	Group 23 (spirotetramat)	When dry	12	7
		Precisely targets key damaging pests while helping safeguard beneficial insects	Leafhoppers, spotted lanternfly*	L	Maximum 2,000 mL/ha (809 mL/ac.) per year.	Leafhoppers: Foliar application – 500 to 750 mL/ha (202 to 304 mL/ac.); Soil application – 1,500 to 2,000 mL/ha (607 to 809 mL/ac.) Spotted lanternfly*: 500 to 750 mL/ha (202 to 304 mL/ac.)	Group 4D (flupyradifurone)	1	12	Foliar application: 0 Soil application: 30
		A second generation diamide, combines excellent knockdown and systemic control of key pests in a variety of horticultural crops	Grape berry moth	L	Maximum 4 applications. Maximum 900 mL/ha (360 mL/ac.) per year.	Apply post bloom only 225 mL/ha (91 mL/ac.)	Group 28 (tetraniliprole)	1	12	14

* Suppression

** Resistance to powdery mildew in grapes has been documented with Group 11 fungicides in Ontario. To avoid further development of fungicide resistance to Group 11, do not apply sequential applications of products in the same FRAC Group.

*** Do not apply Movento insecticide to table grapes.

SPRAY GUIDE

	Product	Registration No.	Budburst	Leaf Growth	Pre-bloom	Bloom	Immediate Post Bloom	Berries Pea Sized	Pre-cluster Closure /Berry Touch	Verasion	Pre-harvest
HERBICIDES	 Alion	30451									
	 Roundup WeatherMAX MAXIMIST TRANSPORT	27487									
BIOLOGICAL FUNGICIDE	 SERENADE OPTI	31666									
FUNGICIDES	 Aliette	24458									
	 FLINT Extra	34962									
	 Luna TRANQUILITY	30510									
	 PRIWEN	31959									
	 SCALA	28011									
INSECTICIDES	 ADMIRE	24094									
	 MOVENTO	28953									
	 SIVANTO prime	31452									
	 vayego	33711									

 HERBICIDES
  BIOLOGICAL FUNGICIDE
  FUNGICIDES
  INSECTICIDES

For more information, visit cropscience.bayer.ca

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