

## RECOMMENDED APPLICATION TIMING: BROCCOLI, BRUSSELS SPROUTS, CABBAGE, CHINESE (NAPA) CABBAGE, CAULIFLOWER AND KALE\*\* Registration No. **Head Fill** Pre-Harvest **Product** 6-8 True Leaves **Head or Bud Initiation** Pests **Transplanting** Rhizoctonia damping off and root rot (Rhizoctonia solani)\*, MINUET. 33651 phytophthora root rot\*, pythium root rot\* SERENADE 31666 Sclerotinia rot\*, downy mildew\*, pin rot\* Aliette 24458 Downy mildew <u>Luna</u> 32107 Alternaria leaf blight, powdery mildew, sclerotinia rot SENSATION ADMIRE 24094 Aphids, leafhoppers\* Cabbage looper, diamondback moth, imported cabbageworm (broccoli, brussels sprouts, cabbage<sup>2</sup>, cauliflower, kale) decis 33700 Flea beetle (cabbage only) Purple-backed cabbageworm (kale only) Aphids, swede midge larvae, whiteflies **MOVENTO** 28953 Onion thrips [larvae] (broccoli, brussels sprouts, cabbage, cabbage (Chinese, napa), cauliflower only) Whiteflies (including silverleaf, sweet potato 28905 o.b.e.r.o.n and greenhouse)3 SIVANTO 31452 Aphids, whiteflies



33711

32108

Armyworms, cutworms, diamondback moth, flea beetles,

Soil-dwelling, root-feeding nematodes (juveniles, adults)\*,

BIOLOGICALS FUNGICIDES INSECTICIDE/NEMATICIDE

imported cabbageworm, aphids\*, cabbage looper\*4

powdery mildew\*

of early in the season.

2 Decis insecticide cannot be applied on Chinese (napa) cabbage.

3 Oberon insecticide/miticide cannot be applied on Chinese (napa) cabbage or kale.

vayego

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## **NOTES**

<sup>4</sup> vayego insecticide cannot be applied on kale.

<sup>\*</sup> Suppression only
\*\* For other brassica crops, refer directly to the product labels.

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	Product	Features and Benefits	Key P	WAMLEGS Mixing Order	Maximum Applications per Crop Season	Use Rate & Application T	Chemical Class Group No.	Rainfast (hours)	REI (hours)	PHI (days)
BIOLOGICALS	MIN <mark>Ú</mark> ET <sup>.</sup>	Uses multiple modes of action to provide broad spectrum suppression against soil borne diseases  Excellent mixing characteristics  Low use rate and concentrated packaging for less bulk and waste  OMRI-certified	Rhizoctonia damping off and root rot ( <i>Rhizoctonia solani</i> )*, phytophthora root rot*, pythium root rot*	L	N/A	0.5 to 2.8 L/ha (0.2 to 1.1 L/ac.)	FRAC Group BM02 ( <i>Bacillus subtilis</i> strain QST 713)	N/A	4	0
	SERENADE	<ul> <li>Biological fungicide with anti-fungal and anti-bacterial activity</li> <li>Provides protection against foliar fungal and bacterial diseases through multiple sites of action with a flexible application</li> <li>OMRI-certified</li> </ul>	Sclerotinia rot*, downy mildew*, pin rot*	W	N/A	Sclerotinia rot*: 1.7 to 3.3 kg/ha (0.69 to 1.34 kg/ac.) Downy mildew*, pin rot*: 1.1 to 1.7 kg/ha (0.45 to 0.69 kg/ac.) Make the first application at emergence, or immediately following transplanting. Repeat applications on 10 to14 day intervals if conditions for disease development continue.	FRAC Group BM02 ( <i>Bacillus subtilis</i> strain QST 713)	2	4	0
	Aliette	<ul> <li>A fully systemic fungicide that inhibits pathogen growth at several life stages for better overall disease control</li> <li>Moves both up and down inside the plant to protect new growth between treatments</li> </ul>	Downy mildew	W	Maximum 5 applications per year	2.25 to 3.125 kg/ha (910 g/ac. to 1.27 kg/ac.) Apply when conditions favour disease development and continue in 7 to 14 day intervals. Do not tank mix with copper compounds.	P07 (Fosetyl AL)	1 hour	Scouting of some crops (if full foliage), topping, tying, hand weeding is 9 days. See product label for details.	7 REI for hand harvesting some crops is 11 days. See product label for details.
FUNGICIDES	Luna	<ul> <li>Delivers outstanding disease protection for vegetables with a unique all-in-one formulation that combines preventative and systemic properties</li> <li>Two modes of action to protect your crop from key diseases</li> <li>Best suited for use in a preventive treatment program</li> </ul>	Alternaria leaf blight, powdery mildew, sclerotinia rot	L	Maximum allowed per season: 1.12 L/ha (453 mL/ac.)	Alternaria leaf blight: 300 to 500 mL/ha (121 to 202 mL/ac.) Powdery mildew: 300 to 400 mL/ha (120 to 162 mL/ac.)  Begin fungicide applications preventatively. Continue as needed, on a 7 to 14 day interval. When disease pressure is severe use the higher rate.  Sclerotinia rot: 400 to 600 mL/ha (162 to 243 mL/ac.)  Begin fungicide applications preventatively. Continue as needed, on a 9 to 14 day interval. When disease pressure is severe use the higher rate.	Group 7 & 11 (fluopyram, trifloxystrobin)	2	12	0
	ADMIRE	<ul> <li>A highly effective and economical systemic insecticide that provides control of sucking and chewing pests</li> <li>Kills pests on contact and through ingestion</li> </ul>	Aphids, leafhoppers*	L	Maximum 1 foliar application per crop season	Foliar application: 200 mL/ha (80 mL/ac.) Apply by ground only. Do not make a foliar application of Admire® insecticide following a soil, in-furrow or seed treatment application of a group 4 insecticide.	Group 4A (imidacloprid)	6	12	7
INSECTICIDE/NEMATICIDE	decis	<ul> <li>A powerful synthetic pyrethroid insecticide that works quickly on a broad range of insects at very low rates per acre</li> <li>Works fast on contact and by ingestion</li> </ul>	Cabbage looper, diamondback moth, imported cabbageworm (broccoli, brussels sprouts, cabbage <sup>1</sup> , cauliflower, kale) Flea beetle (cabbage only) Purple-backed cabbageworm (kale only)	Е	Maximum 8 applications per year	Broccoli, brussels sprouts, cabbage¹: Cabbage looper, diamondback moth, imported cabbageworm: 75 to 100 mL/ha (30 mL/ac. to 40 mL/ac.). Apply when insects are present or signs of insect feeding are visible. Flea beetle (cabbage only): 75 to 100 mL/ha (30 mL/ac. to 40 mL/ac.). Apply when insects are present, and actively feeding. Under severe pressure, application should also be made to a 15-metre strip along fence rows around the field.  Kale: Cabbage looper, diamondback moth, imported cabbageworm, purple-backed cabbageworm: 100 mL/ha (40 mL/ac.). Apply when insects are present or signs of insect feeding are visible. Minimum interval between applications: 10 days. Decis is most effective when applied below a temperature of 25 C.	Group 3 (deltamethrin)	1	12	Brussels sprouts, kale: 1 Broccoli, cabbage, cauliflower: 3
	MO√ENTO	<ul> <li>Travels up and down the entire plant to protect leaves, roots and new growth</li> <li>Controls pests that products with only contact or translaminar activity often miss</li> <li>Long residual control provides extremely effective activity on hard-to-control pests</li> <li>Systemic insecticide, active primarily through ingestion by immature insect life stages</li> </ul>	Aphids, swede midge larvae, whiteflies (broccoli, brussels sprouts, cabbage, cauliflower) Onion thrips (larvae) (broccoli, brussels sprouts, cabbage, cabbage (Chinese, napa), cauliflower)	L	Maximum allowed per crop season: 730 mL/ha (295 mL/ac.)	Aphids, swede midge larvae, whiteflies: 220 to 365 mL/ha (89 to 148 mL/ac.)  Minimum interval between applications: 7 days  Apply when swede midge larvae are first noticed. For the swede midge larvae, use the high rate when pest pressure is high.  Onion thrips (larvae): 365 mL/ha (148 mL/ac.)  Insecticide should be used during the first half of the season when adult populations are relatively low or building. Reductions in numbers of thrips larvae may take 3 to 4 days.  Movento insecticide must be tank-mixed with a spray adjuvant such as a non-ionic surfactant or a horticultural oil.	Group 23 (spirotetramat)	1	12	1
	o·b·e·r·o·n	Provides excellent control of whiteflies and poses minimal risk to beneficial insects when used as directed, making it a great choice that fits well in IPM systems	Whiteflies (including silverleaf, sweet potato and greenhouse) <sup>2</sup>	L	Maximum 3 applications. Maximum 1.8 L/ha (728 mL/ac.) per year	500 to 600 mL/ha (202 to 243 mL/ac.) <sup>2</sup> Minimum application volume: 100 L water/ha (10 gal. water/ac.)	Group 23 (spiromesifen)	When dry	12	7
	<b>SIVANTO</b> prime	<ul> <li>Fast acting. Provides quick knockdown and residual control of target pests while helping safeguard beneficial insects</li> <li>Provides quick feeding cessation</li> <li>Translaminar and local systemic movement allows targeting of insects feeding on the underside of leaves</li> </ul>	Aphids, whiteflies	L	Maximum allowed per crop season: 2,000 mL/ha (810 mL/ac.)	Aphids: 500 to 750 mL/ha (202 to 304 mL/ac.) Whiteflies: 750 to 1,000 mL/ha (304 to 405 mL/ac.) Minimum interval between applications: 7 days Minimum application volumes: 100 L water/ha (10 gal. water/ac.). Apply as a directed foliar spray ensuring thorough coverage. Ground application only.	Group 4D (flupyradifurone)	1	12	1
	vayego	A second generation diamide, combines excellent knockdown and systemic control of key pests in a variety of horticultural crops <sup>3</sup>	Armyworms, cutworms, diamondback moth, flea beetles, imported cabbageworm Aphids*, cabbage looper*	L	Maximum 4 applications per season	150 mL/ha (60 mL/ac.) <sup>3</sup> Cabbage looper*: 225 mL/ha (91 mL/ac.) Begin applications when treatment thresholds have been reached. Apply as a directed foliar spray ensuring thorough coverage. Minimum interval between applications: 5 days Minimum application volumes: 100 L water/ha (10 gal. water/ac.). Ground application only.	Group 28 (tetraniliprole)	1	12	1
	<b>VELUM</b> PRIME	<ul> <li>With a unique mode of action and Group for protection against nematodes, Velum® Prime nematicide helps increase your crop's yield potential</li> <li>Also offers powdery mildew suppression</li> </ul>	Soil-dwelling, root-feeding nematodes (juveniles, adults)*, powdery mildew*	L	Maximum of 2 applications per year. Do not apply more than 500 g fluopyram/ha per year, regardless of formulation or method of application (soil or foliar).	500 mL/ha (202 mL/ac.) Apply specified dosage in the following methods: Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. Minimum 5-day interval between soil applications.	Group 7 (fluopyram)	N/A	12	0

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Hot Potatoes

Rewards Program

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