











Carrot Crop Protection Guide



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



<div></div>										
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)	
HERBICIDES		<ul style="list-style-type: none">Controls 28 broadleaf weedsAn excellent tool to help manage resistance	For a complete list of weeds, refer to the Pardner® herbicide product label.	E	Maximum 1 application	1.0 to 1.2 L/ha (405 to 486 mL/ac.) Apply only to carrots grown on muck soils containing greater than 10% organic matter. Contact herbicide, good coverage of weeds is crucial.	Group 6 (bromoxynil)	1	24	45
		<ul style="list-style-type: none">Proven broad spectrum herbicide for outstanding grass and broadleaf weed controlUtilizing Group 5 mode of action helps manage and prevent Group 2 resistant broadleaf weeds	For a complete list of weeds, refer to the Sencor® herbicide product label.	Sencor 480 F – L Sencor 75 DF – W	Maximum 2 applications	Sencor 75 DF - 190 g/ha (77 g/ac.) Sencor 480 F - 258 mL/ha (115 mL/ac.)¹ Post-emergent application only. Not registered for use on muck soils. Refer to Sencor label for post-emergent rates for your region. Do not apply on coarse soils with less than 2% organic matter.	Group 5 (metribuzin)	6	12	60
BIOLOGICALS		<ul style="list-style-type: none">Excellent mixing characteristicsLow use rate and concentrated packaging for less bulk and wasteProvides broad spectrum suppression against soil borne and other diseasesOMRI-certified	Rhizoctonia root rot*, black scurf and stem canker (Rhizoctonia solani)*, phytophthora root rot*, pythium root rot* and cavity spot*, fusarium root rot*	L	N/A	0.5 to 2.8 L/ha (0.2 to 1.1 L/ac.)	FRAC Group BM02 (Bacillus subtilis strain QST 713)	When dry	4	0
		<ul style="list-style-type: none">Provides protection against foliar fungal diseases through multiple sites of action with a flexible applicationOMRI-certified	White mould*	W	N/A	1.1 to 2.2 kg/ha (0.45 to 0.89 kg/ac.) Begin application soon after emergence and when conditions are conducive to disease development. Repeat as necessary on a 7 to 10 day interval.	FRAC Group BM02 (Bacillus subtilis strain QST 713)	2	4	0
FUNGICIDES		<ul style="list-style-type: none">Low use rates in an easy-to-use liquid SC formulationFungicide that works by interfering with respiration in plant pathogenic fungiIt is a potent inhibitor of spore germination and mycelial growth	Alternaria leaf blight, cercospora leaf spot of carrot	L	Maximum 4 applications. Maximum 860 mL/ha (348 mL/ac.) per year**	145 to 215 mL/ha (58 to 87 mL/ac.) Begin applications preventatively and continue as needed on a 14 day interval.	Group 11 (trifloxystrobin)	When dry	12	7
		<ul style="list-style-type: none">Protects against key diseases resulting in increased yield potentialBroad spectrum fungicide with preventative, systemic and curative propertiesBest used in a preventative program	Alternaria blight, powdery mildew, cottony rot / sclerotinia rot	L	Maximum 1,680 mL/ha (680 mL/ac.) per year. Maximum 2 applications***	Alternaria blight: 300 to 500 mL/ha (121 to 202 mL/ac.) Powdery mildew: 300 to 400 mL/ha (121 to 162 mL/ac.) Cottony rot / sclerotinia rot: 500 mL/ha (202 mL/ac.)	Group 7 & 11 (fluopyram, trifloxystrobin)	When dry	12	7
INSECTICIDES		<ul style="list-style-type: none">Systemic insecticide that provides economical and enduring control of damaging insects	Aphids, leafhoppers*	L	Maximum 1 foliar application	200 mL/ha (80 mL/ac.)	Group 4A (imidacloprid)	6	12	7
		<ul style="list-style-type: none">Travels up and down the entire plant to protect leaves, roots and new growthControls pests that products with only contact or translaminar activity often missLong residual control provides extremely effective activity on hard-to-control pestsSystemic insecticide, active primarily through ingestion by immature insect life stages	Aphids, whiteflies	L	Maximum allowed per crop season: 730 mL/ha (295 mL/ac.)	220 to 365 mL/ha (89 to 148 mL/ac.)	Group 23 (spirotetramat)	1	12	1
		<ul style="list-style-type: none">Fast acting. Provides quick knockdown and residual control of target pests while helping safeguard beneficial insectsProvides quick feeding cessationTranslaminar and local systemic movement allows targeting of insects feeding on the underside of leaves	Aphids, leafhoppers, whiteflies	L	Maximum allowed per crop season: 2,000 mL/ha (810 mL/ac.)	Aphids, leafhoppers: 500 to 750 mL/ha (202 to 303 mL/ac.) Whiteflies: 750 to 1,000 mL/ha (303 to 405 mL/ac.) Minimum interval between applications is 10 days.	Group 4D (flupyradifurone)	1	12	7

¹ For the application rate and guidelines for processing carrots in Atlantic Canada only, refer to the Sencor 480 F product label.
 * Suppression
 ** For resistance management, alternate strobilurin (Group 11) fungicide application with at least one application of a non-strobilurin fungicide.
 *** Do not make more than 2 applications of Luna Sensation or any Group 7 or Group 11 fungicide before rotating with a fungicide from a different Group.

RECOMMENDED APPLICATION TIMING

	Product	Registration No.	P	Pre-Emerge	Planting	2 True Leaves	4 - 5 Leaf	Root Initiation	Root Development	Pre-Harvest
HERBICIDES	PARDNER	18001	Broadleaf weeds*							
	sencor	Sencor 480 F – 26280 Sencor 75 DF – 17242	Grass and broadleaf weeds Annual broadleaf weeds less than 4 cm in height							
BIOLOGICALS	MINUET	33651	Rhizoctonia root rot**, pythium root rot** and cavity spot**, fusarium root rot**		1					
	SERENADE OPTI	31666	White mould**							
FUNGICIDES	FLINT Extra	34962	Alternaria leaf blight, cercospora leaf spot							
	Luna SENSATION	32107	Alternaria blight, powdery mildew, cottony rot/ sclerotinia rot							
INSECTICIDES	ADMIRE	24094	Aphids, leafhoppers**							
	MOVENTO	28953	Aphids, whiteflies							
	SIVANTO prime	31452	Aphids, leafhoppers, whiteflies							

¹ Optimal application timing for Minuet is at planting.

* Apply 3 to 4 days prior to crop emergence only

**Suppression only

HERBICIDES BIOLOGICALS FUNGICIDES INSECTICIDES



For more information, visit [cropscience.bayer.ca](https://cropsscience.bayer.ca)

cropscience.bayer.ca | 1 888-283-6847 | @Bayer4CropsCA | #AskBayerCrop

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Admire®, Bayer, Bayer Cross, BayerValue™, Flint®, Hot Potatoes®, Luna Sensation®, Minuet®, Movento®, Pardner®, Sencor®, Serenade® and Sivanto® are trademarks of Bayer Group. Used under license. Bayer CropScience Inc. is a member of CroLife Canada. ©2025 Bayer Group. All rights reserved.

