

2015 SUPPLEMENT

Crop Protection Guide for Greenhouse Vegetables 2014–2015 **Publication 835S — June 2015**

All crop protection products registered for use on greenhouse vegetables until July 2014 are in the most recently published version of Publication 835, *Crop Protection Guide for Greenhouse Vegetables 2014–2015*. This supplement contains new crop protection product information and label changes from July 2014 to June 2015. The full edition of Publication 835 and the 2015 supplement can be downloaded from the OMAFRA website at www.ontario.ca/greenhousecrops.

Labels for all registered pesticides are under “Search Pesticide Labels” and information on maximum residue limits (MRL) can be found on the PMRA website at www.healthcanada.gc.ca/pmra.

PRODUCT CHANGES OR CORRECTIONS

Table	Crop	Product to Change	Pest or Disease	Change
4–2	tomato	Nova 40 W (WSP)	powdery mildew	1 application per crop cycle
5–2	cucumber	Nova 40 W (WSP)	gummy stem blight	1 application per crop cycle
		Nova 40 W (WSP)	powdery mildew	1 application per crop cycle
6–2	pepper	Nova 40 W (WSP)	powdery mildew	1 application per crop cycle

ADDITIONS AND NEW USES

Table 4–1. Products Registered for Insect and Mite Pests of Tomato — Additions

LEGEND: DF = Dry Flowable W, WP = Wettable Powder EC = Emulsifiable Concentrate WG = Wettable Granules F = Flowable WSP = Water-Soluble Packs SC = Sprayable Concentrate — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
aphids	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Begin when insects appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
cabbage loopers	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. A minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
thrips	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	For suppression of exposed western flower thrips. Apply when insects first appear. A minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 4–1. Products Registered for Insect and Mite Pests of Tomato — Additions (cont'd)

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
two-spotted spider mites	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
whiteflies	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 4–2. Products Registered for Tomato Diseases — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
damping-off in seedlings	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Fusarium</i> spp.	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Fusarium oxysporum</i>	Trianum P & G	<i>Trichoderma harzianum</i> Rifai strain T22	Sowing: 1.5 g/m ² of cultivated area, suspended in 2.5–5 L of water	—	—	Apply as a drench application or spray at sowing. Sowing: Apply solution immediately after sowing seeds.
			High crop density: 3 g/m ² , water volume equivalent to 10% of substrate volume, or 2–5 L/m ²	—	—	High crop density: Apply half-rate dose (1.5 g/m ²) for subsequent applications. Repeat half-rate booster every 10 weeks.
			Low crop density: 30 g/1,000 plants, water volume equivalent to 10% of substrate volume, or 100 L/1,000 plants	—	—	Low crop density: Apply half-rate dose (15 g/1,000 plants) for subsequent applications. Repeat half-rate booster every 10 weeks. Store in dry place between 8°C–10°C. Use within 6 months from date of manufacture.
powdery mildew (<i>Leveillula taurica</i>)	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Begin when conditions are favourable for disease development and/or when first symptoms appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 4–2. Products Registered for Tomato Diseases — Additions (cont'd)

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
powdery mildew (<i>Oidium neolycopersici</i> and <i>Leveillula taurica</i>)	Regalia Maxx	extract of <i>Reynoutria sachalinensis</i>	0.5–1 L/400 L	Do not re-enter treated areas until sprays have dried.	0	This product is for suppression of downy mildew. Begin application at first sign of disease, or when conditions become conducive for disease development. Repeat as necessary on a 7–10-day interval. Do not apply in a spray volume of more than 1,500 L/ha.
pythium root rot	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Rhizoctonia solani</i>	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression only. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.

Table 5–1. Products Registered for Insect and Mite Pests of Cucumber — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
aphids	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Begin when insects appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
cabbage loopers	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. Minimum 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
thrips	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	For suppression of exposed western flower thrips. Apply when insects first appear. Allow a minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
two- spotted spider mites	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 5–1. Products Registered for Insect and Mite Pests of Cucumber — Additions (cont'd)

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
whiteflies	Bio-Ceres G WP/WG	<i>Beauveria bassiana</i> , strain ANT-03	2–4 g/L	—	0	Begin treatment at the first appearance of the insect pest. Early applications are most effective before high populations are observed. Multiple applications may be required. Re-apply within 7 days, or 3–5 days with high populations. Do not mix with any fungicide. Can be stored for up to 12 months at 4°C, up to 6 months at 21°C unopened, and up to 3 months at 21°C opened.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 5–2. Products Registered for Cucumber Diseases — Additions

LEGEND: DF = Dry Flowable W, WP = Wettable Powder EC = Emulsifiable Concentrate WG = Wettable Granules F = Flowable WSP = Water-Soluble Packs SC = Sprayable Concentrate — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
damping-off in seedlings	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
damping-off in seedlings (<i>Pythium ultimum</i>)	Trianum P & G	<i>Trichoderma harzianum</i> Rifai, strain T22	Sowing: 1.5 g/m ² of cultivated area, suspended in 2.5–5 L of water	—	—	Apply as a drench application or spray at sowing. Sowing: Apply solution immediately after sowing seeds.
			High crop density: 3 g/m ² , water volume equivalent to 10% of substrate volume, or 2–5 L/m ²	—	—	High crop density: Apply half-rate dose (1.5 g/m ²) for subsequent applications. Repeat half-rate booster every 10 weeks.
			Low crop density: 30 g/1,000 plants, water volume equivalent to 10% of substrate volume, or 100 L/1,000 plants	—	—	Low crop density: Apply half-rate dose (15 g/1,000 plants) for subsequent applications. Repeat half-rate booster every 10 weeks. Store in dry place between 8°C–10°C. Use within 6 months from date of manufacture.
downy mildew (<i>Pseudoperonospora cubensis</i>)	Regalia Maxx	extract of <i>Reynoutria sachalinensis</i>	1 L/400 L	Do not re-enter treated areas until sprays have dried.	0	For suppression. Begin application at first sign of disease, or when conditions become conducive for disease development. Repeat as necessary on a 7–10-day interval. Do not apply in a spray volume of more than 1,500 L/ha.
<i>Fusarium</i> spp.	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.

Table 5–2. Products Registered for Cucumber Diseases — Additions (cont'd)

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
powdery mildew (<i>Podosphaera xanthii</i> , formerly <i>Spaerotheca fuliginea</i>)	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Begin when conditions are favourable for disease development and/or when first symptoms appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
pythium root rot	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Rhizoctonia solani</i>	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression only. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.

Table 6–1. Products Registered for Insect and Mite Pests of Pepper — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
aphids	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Begin when insects appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
cabbage loopers	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. Allow a minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
European corn borer	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. A minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
thrips	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	For suppression of exposed western flower thrips. Apply when insects first appear. Allow a minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
two- spotted spider mites	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
whiteflies	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 6–2. Products Registered for Pepper Diseases — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
damping-off in seedlings	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Fusarium</i> spp.	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
powdery mildew (<i>Leveillula</i> <i>taurica</i>)	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Begin when conditions are favourable for disease development and/or when first symptoms appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
powdery mildew (<i>Oidium</i> <i>neolycopersici</i> and <i>Leveillula</i> <i>taurica</i>)	Regalia Maxx	extract of <i>Reynoutria</i> <i>sachalinensis</i>	0.5–1 L/400 L	Do not re-enter treated areas until sprays have dried.	0	For suppression. Begin application at first sign of disease or when conditions become conducive for disease development. Repeat as necessary on a 7–10-day interval. Do not apply in a spray volume of more than 1,500 L/ha.
pythium root rot	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Rhizoctonia</i> <i>solani</i>	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.

Table 7–1. Products Registered for Insect and Mite Pests of Lettuce — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
cabbage loopers	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. A minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.

Table 7–2. Products Registered for Lettuce Diseases — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
damping-off in seedlings (<i>Rhizoctonia solani</i>)	Trianum P & G	<i>Trichoderma harzianum</i> <i>Rifai</i> , strain T22	Sowing: 1.5 g/m ² of cultivated area, suspended in 2.5–5 L of water	—	—	Apply as a drench application or spray at sowing. Sowing: Apply solution immediately after sowing seeds.
			High crop density: 3 g/m ² , water volume equivalent to 10% of substrate volume, or 2–5 L/m ²	—	—	High crop density: Apply half-rate dose (1.5 g/m ²) for subsequent applications. Repeat half-rate booster every 10 weeks.
			Low crop density: 30 g/1,000 plants, water volume equivalent to 10% of substrate volume, or 100 L/1,000 plants	—	—	Low crop density: Apply half-rate dose (15 g/1,000 plants) for subsequent applications. Repeat half-rate booster every 10 weeks. Store in dry place between 8°C–10°C. Use within 6 months from date of manufacture.

Table 8–1. Products Registered for Insect and Mite Pests of Eggplant — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Pest	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
aphids	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Begin when insects appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
cabbage loopers	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. Allow a minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
European corn borer	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	Apply when eggs hatch and first instar larvae are present. Allow a minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
thrips	Delegate WG	spinetoram	92–132 g/1,000 L	—	2	For suppression of exposed western flower thrips. Apply when insects first appear. A minimum of 7 days between applications and a maximum of 3 applications per crop cycle. Do not apply by a fogger or mister.
	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression only. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
two-spotted spider mites	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
whiteflies	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	Deters feeding. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.

Table 8–2. Products Registered for Eggplant Diseases — Additions

LEGEND: DF = Dry Flowable EC = Emulsifiable Concentrate F = Flowable SC = Sprayable Concentrate W, WP = Wettable Powder WG = Wettable Granules WSP = Water-Soluble Packs — = no information was provided on the product label						
Disease	Trade Name/ Formulation	Common Name or Active Ingredient	Rate	Re-entry Interval (hr)	Pre-harvest Interval (days)	Remarks
damping-off in seedlings	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Fusarium</i> spp.	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression only. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
powdery mildew	Purespray Green Spray Oil 13E	mineral oil	10 L/1,000 L	—	—	For suppression. Begin when conditions are favourable for disease development and/or when first symptoms appear. Apply at 7–14-day intervals. Limit first application to a small area of each variety to confirm tolerance. For effective control, thorough coverage is essential. Avoid overspraying.
pythium root rot	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.
<i>Rhizoctonia solani</i>	Serifel	<i>Bacillus subtilis</i> , strain MBI 600	50 g/12.5 L	—	—	For suppression. Spray onto 21.9 m ³ growing media (potting soil, peat moss or peat-based mixtures). Mix thoroughly to ensure adequate distribution of the product. Store in a dry area for up to 16 months from date of manufacture.



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