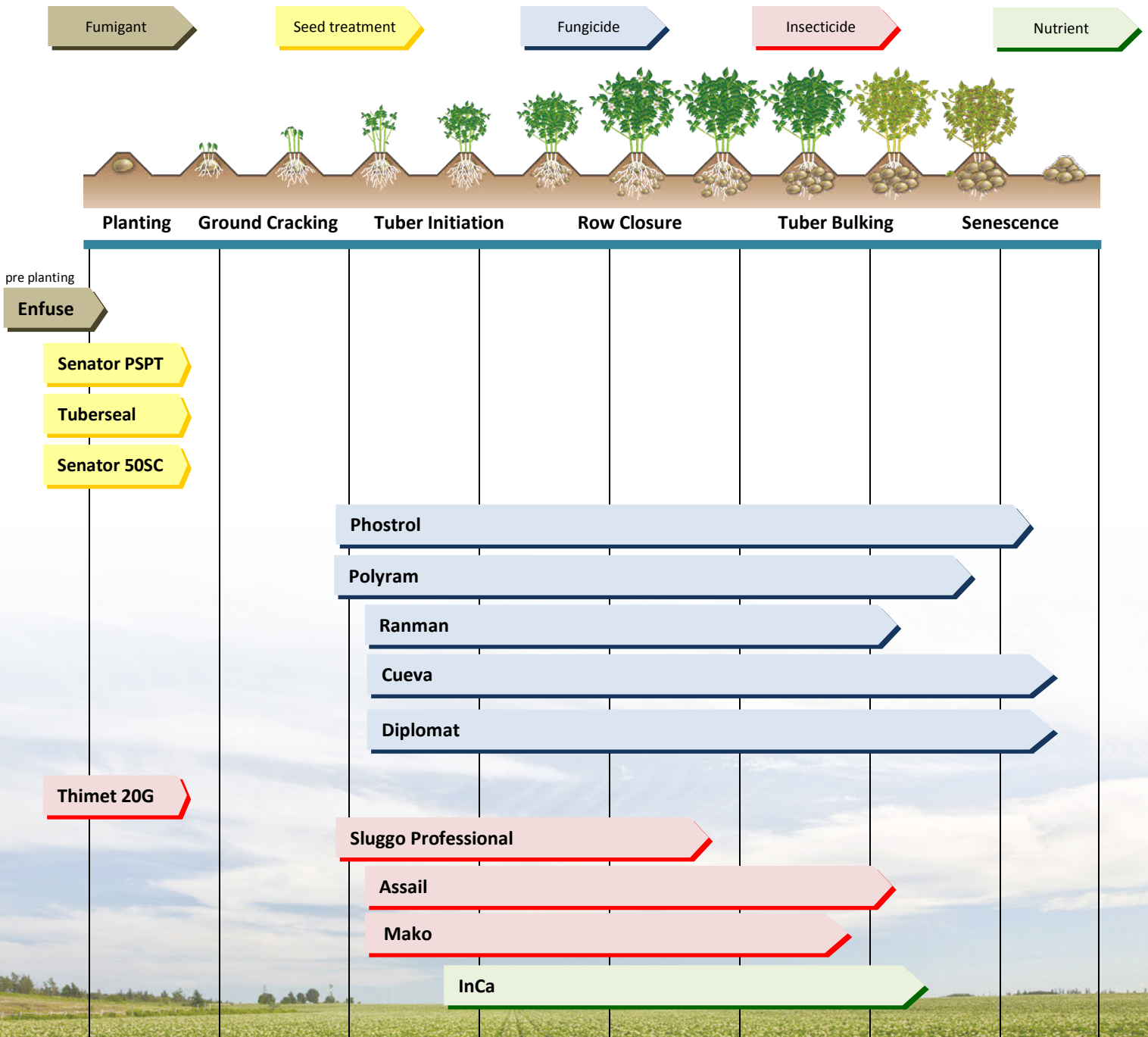


# POTATO PROTECTION GUIDE



## Seed Piece Solutions for Potatoes

Pest Common Name	Pest Scientific Name	Product	Active Ingredient	Pesticide Group	Rate
Fusarium rot	<i>Fusarium spp.</i>	Senator PSPT	Thiophanate-methyl	1	500 grams / 100 kg of seed
		Tuberseal	Mancozeb	M	500 grams / 100 kg of seed
		Senator 50SC	Thiophanate-methyl	1	1.4 L in 6.5 L of water applied within 6 hr. of cutting pieces Do not exceed 1.4 L of Senator 50SC / 1400 kg of pieces
Black leg infection	<i>Pectobacterium atrosepticum</i>	Senator PSPT	Thiophanate-methyl	1	500 grams / 100 kg of seed
		Senator 50SC	Thiophanate-methyl	1	1.4 L in 6.5 L of water applied within 6 hr. of cutting pieces Do not exceed 1.4 L of Senator 50SC / 1400 kg of pieces
Silver Scurf	<i>Helminthosporium solani</i>	Senator PSPT	Thiophanate-methyl	1	500 grams / 100 kg of seed
		Senator 50 SC	Thiophanate-methyl	1	1.4 L in 6.5 L of water applied within 6 hr. of cutting pieces Do not exceed 1.4 L of Senator 50SC / 1400 kg of pieces
Verticillium wilt	<i>Verticillium spp.</i>	Senator PSPT	Thiophanate-methyl	1	500 grams / 100 kg of seed
		Senator 50SC	Thiophanate-methyl	1	1.4 L in 6.5 L of water applied within 6 hr. of cutting pieces Do not exceed 1.4 L of Senator 50SC / 1400 kg of pieces
Seed Piece Decay	<i>Rhizoctonia solani, Fusarium spp., Erwinia carotovora, Pythium spp)</i>	Senator 50SC	Thiophanate-methyl	1	1.4 L in 6.5 L of water applied within 6 hr. of cutting pieces Do not exceed 1.4 L of Senator 50SC / 1400 kg of pieces
		Senator PSPT	Thiophate-methyl	1	500 grams / 100 kg of seed

## Disease Solutions for Potatoes

Pest Common Name	Pest Scientific Name	Product	Active Ingredient	Pesticide Group	PHI (Days)	REI	Rate
Septoria Leaf Spot	<i>Septoria lycopersici</i>	Cueva	Copper Octanoate	M1	1	4 hr.	0.5 – 2% solution applied at 470 – 940 L / Ha
Early blight	<i>Alternaria solani</i>	Polyram DF	Metiram	M	1	12 hr.	1.1 – 2.25 kg / Ha
		Cueva	Copper Octanoate	M1	1	4 hr.	0.5 – 2% solution applied at 470 – 940 L / Ha
		Diplomat	Polyoxin D Zinc Salt	19	0	When dry	537 – 926 ml / ha
Late blight	<i>Phytophthora infestans</i>	Cueva	Copper Octanoate	M1	1	4 hr.	0.5 – 2% solution applied at 470 – 940 L / Ha
		Phostrol (Foliar)	Mono and dibasic sodium, potassium & ammonium	33	0	4 hr.	2.9 - 11.6 L / Ha
		Phostrol (Post Harvest)	Mono and dibasic sodium, potassium & ammonium	33	0	4 hr.	0.42 L in 2L water for 1 tonne tubers
		Polyram DF	Metiram	M	1	12 hr.	1.1 – 2.25 kg / Ha
		Ranman	Cyazofamid	21	7	12 hr.	0.1 - 0.2 L / Ha
Pink Rot	<i>Phytophthora erythroseptica</i>	Phostrol (Foliar - suppression)	Mono and dibasic sodium, potassium & ammonium	33	0	4 hr.	5.8 - 11.6 L / Ha
		Phostrol (In Furrow - suppression)	Mono and dibasic sodium, potassium & ammonium	33	0	4 hr.	5.8 - 11.6 L / Ha
		Phostrol (Post Harvest)	Mono and dibasic sodium, potassium & ammonium	33	0	4 hr.	0.42 L in 2 L water for 1 tonne tubers

Always refer to the product labels for complete details and directions for use.

## Insect Solutions for Potatoes

Pest Common Name	Pest Scientific Name	Product	Active Ingredient	Pesticide Group	PHI (Days)	REI	Rate
Aphids	<i>various</i>	Assail 70 WP	Acetamiprid	4	7	12 hr.	.056- .086 kg / Ha
Colorado potato beetle	<i>Leptinotarsa decemlineata</i>	Assail 70 WP	Acetamiprid	4	7	12 hr.	.04 - .08 kg / Ha
		Mako	Cypermethrin	3	7	4 hr.	.0625 - 0.125 L / Ha
Cutworms	<i>various species</i>	Mako	Cypermethrin	3	21	4 hr.	0.175 L / Ha
European corn borer	<i>Ostrinia nubilalis</i>	Ambush 500EC	Permethrin	3	1	When dry	0.14 L / Ha
Flea beetles	<i>Alticini</i>	Mako	Cypermethrin	3	7	4 hr.	.0625 - 0.125 L / Ha
Leafhoppers	<i>various species</i>	Mako	Cypermethrin	3	7	4 hr.	.0625 - 0.125 L / Ha
Slugs	<i>various species</i>	Sluggo Professional	Ferric Phosphate	NA	0	0	12 – 50 kg / Ha
Snails	<i>Helix aspersa</i>	Sluggo Professional	Ferric Phosphate	NA	0	0	12 – 50 kg / Ha
Tarnished plant bug	<i>Lygus lineolaris</i>	Mako	Cypermethrin	3	7	4 hr.	.0625 - 0.125 L / Ha
Variegated cutworm	<i>Peridroma saucia</i>	Mako	Cypermethrin	3	7	4 hr.	0.175 L / Ha
Wireworm	<i>various species</i>	Thimet 20G	Phorate	1B	90	48 hr.	11 – 19.8 kg / Ha

**Thimet 20G must be applied with a Smart Box pesticide application system properly calibrated to ensure accurate placement and rate. Refer to label for additional application, handling and storage restrictions. Thimet 20G is not available from Belchim Canada in Canadian provinces east of Quebec.**

## Nutrition & Specialty Solutions for Potatoes

Product Use	Product	Active Ingredient	Rate
Nutrition	InCa	Calcium	1.0 - 1.5 L / Ha

## Desiccation & Fumigation Solutions for Potatoes

Product Use	Product	Active Ingredient	Pesticide Group	PHI (Days)	REI	Rainfast	Rate
Fumigation	Enfuse 510	Metam Sodium	-	NA	fumigant management plan	NA	260 L / Ha

Always refer to the product labels for complete details and directions for use.



Dry Weight Application Conversions		
Grams / Hectare	X 0.0143 =	Ounces / Acre
100	X 0.0143 =	1.43
200	X 0.0143 =	2.85
300	X 0.0143 =	4.28
500	X 0.0143 =	7.14
700	X 0.0143 =	10.00
Kilograms / Hectare	x 0.89 =	Pounds / Acre
1.10	x 0.89 =	0.98
1.50	x 0.89 =	1.34
2.00	x 0.89 =	1.78
2.50	x 0.89 =	2.23
3.25	x 0.89 =	2.89
4.00	x 0.89 =	3.56
5.00	x 0.89 =	4.45
6.00	x 0.89 =	5.34
7.50	x 0.89 =	6.68
9.00	x 0.89 =	8.01
11.00	x 0.89 =	9.79
13.00	x 0.89 =	11.57
15.00	x 0.89 =	13.35

Litres / Hectare x 0.4 = Litres / Acre
Kilograms per Hectare X 0.4 = Kilograms / Acre
Litres / Hectare X 0.107 U.S. Gallons / Acre

PCP Registration Numbers	
Assail	27128
Cueva	31825
Enfuse	29142
InCa	NA
Mako	30316
Phostrol	30449
Ranman	30716
Senator 50SC	29000
Senator PSPT	14599
Sluggo Professional	30025
Thimet 20G	10532
Tuberseal	17042

**Always refer to the product labels for complete details and directions for use.**

Assail and Senator are registered trade-marks of Nippon Soda Co.  
 Thimet 20G is a registered trade-marks of Amvac Chemical Corporation.  
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