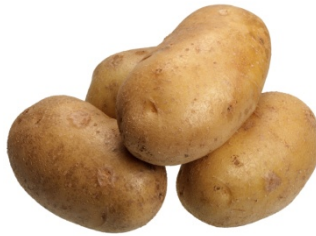
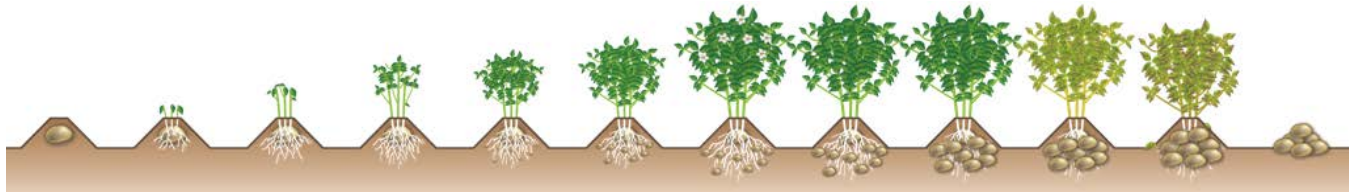


POTATO PROTECTION SOLUTIONS

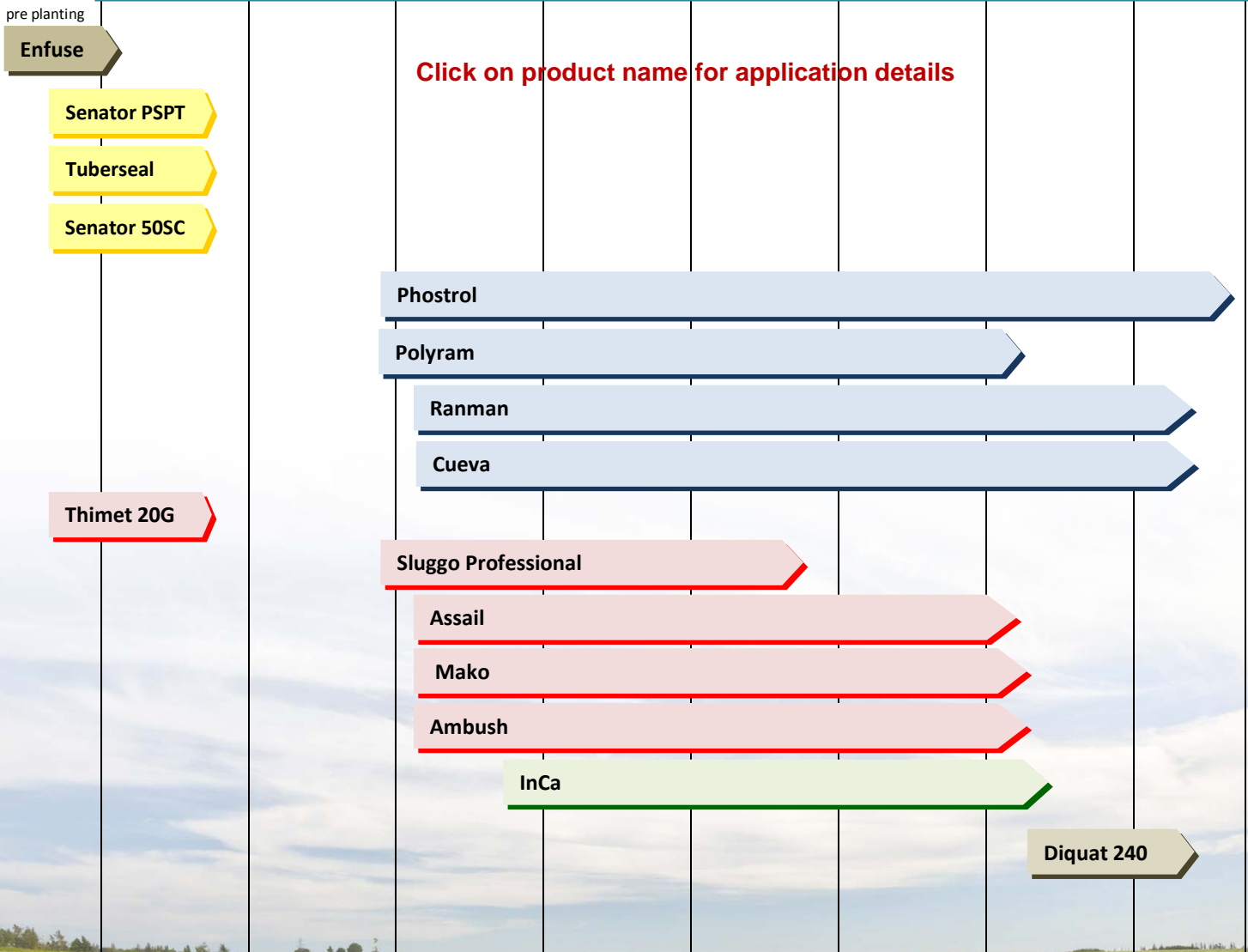


ENGAGE AGRO

member of the Belchim Group 



Planting Ground Cracking Tuber Initiation Row Closure Tuber Bulking Senescence



Seed Piece Solutions for Potatoes

Click on product name in chart for more product details including label and msds.

Pest Common Name	Pest Scientific Name	Product	Active Ingredient	Pesticide Group	Rate
Fusarium rot	<i>Fusarium</i> spp.	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
Verticillium wilt	<i>Verticillium</i> spp.	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</i> , <i>Fusarium</i> spp., <i>Erwinia carotovora</i> , <i>Pythium</i> spp)	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

Desiccation & Fumigation Solutions for Potatoes

Product Use	Product	Active Ingredient	Pesticide Group	PHI (Days)	REI	Rainfast	Rate
Desiccation	Diquat 240	Diquat ion	22	14	24 hr.	avoid heavy rain	1.25 - 3.5 L / Ha
Fumigation	Enfuse 510	Metam Sodium	-	NA	fumigant management plan	NA	260 L / Ha

Disease Solutions for Potatoes

Click on product name in chart for more product details including label and msds.

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
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

Click on product name in chart for more product details including label and msds.

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>	Ambush 500EC	Permethrin	3	1	When dry	0.14 - 0.2 L / Ha
		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>	Ambush 500EC	Permethrin	3		Do not disturb soil 5 days	0.14 - 0.3 L / Ha
		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
Potato flea beetle	<i>Epitrix cucumeris</i>	Ambush 500EC	Permethrin	3	1	When dry	0.14 - 0.2 L / Ha
Potato leafhopper	<i>Empoasca fabae</i>	Ambush 500EC	Permethrin	3	1	When dry	0.14 - 0.2 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>	Ambush 500EC	Permethrin	3	1	When dry	0.14 - 0.2 L / Ha
		Mako	Cypermethrin	3	7	4 hr.	.0625 - 0.125 L / Ha
Variegated cutworm	<i>Peridroma saucia</i>	Ambush 500EC	Permethrin	3	1	When dry	0.14 L / Ha
		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 Engage Agro 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

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

Click on product name in chart for more product details including label and msds.



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

PCP Registration Numbers	
Ambush	14882
Assail	27128
Cueva	31825
Diquat 240	31406
Enfuse	29142
InCa	NA
Mako	30316
Phostrol	30449
Ranman	30716
Senator 50SC	29000
Senator PSPT	14599
Sluggo Professional	30025
Thimet 20G	10532
Tuberseal	17042

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

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

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