

Unearth greater returns.

Whatever obstacles you need to overcome, we have the tools to help you get the job done and maximize the potential of every acre.

Product	Key features & benefits	Pack size	Group	Rate (kg or L/ha)	Rain-fast	REI	PHI (days)
Herbicides							
Zidua SC <small>Herbicide</small>	Residual suppression of key annual grasses and broadleaf weeds Group 15 chemistry delivers suppression of tough weeds, including resistant redroot pigweed and waterhemp, including Group 2- and triazine-resistant species // Residual activity suppresses germinating weed seedlings before or soon after crop emergence	2 x 4.05 L	15	0.12 - 0.24	0 hrs	12 hrs	N/A
Frontier Max <small>Herbicide</small>	Season-long control of annual grasses and select broadleaf weeds Low use rate // Residual activity and water solubility for reduced weed pressure throughout crop development // Consistent control of key weeds, including redroot pigweed and eastern black nightshade, including Group 2- and triazine-resistant species	2 x 9 L	15	0.756 - 0.963	N/A	24 hrs	40
Fungicides							
Veltyma <small>Revysol® Fungicide</small>	Broader, stronger and longer protection that lasts Optimal protection against early blight, black dot and brown spot // Proven Plant Health Benefits ¹ for increased growth efficiency, better management of minor stress and greater yield potential // Multiple modes of systemic activity and extended performance with the unique activity of Revysol®	2 x 8.1 L	3 & 11	0.5	1 hr ²	12 hrs	7
Sercadis <small>Xemium® Fungicide</small>	Innovative chemistry for consistent, continuous control of key diseases Control of early blight, white mold and rhizoctonia canker // Highly systemic activity helps protect new growth // Timing and tank-mix flexibility to adapt to the season's needs	2 x 1.35 L	7	0.167 - 0.333	1 hr	12 hrs	7
Cevya <small>Revysol® Fungicide</small>	Powered by Revysol®, an innovative new active ingredient Unique, new binding activity to control biotypes that may have developed resistance to other Group 3, 7, 9 and 11 fungicides // Fast and continuous control of key diseases // Preventative and post-infection control	2 x 4 L	3	0.19 - 0.25	1 hr	12 hrs	7
Serifel <small>Fungicide</small>	Biological fungicide forms a shield of protection on plants' surfaces to protect against disease Complements chemistry-based programs and helps manage the potential for resistance // Sets the quality standard for purity, performance and reliability // With no recordable residues, it provides greater flexibility by extending the window of application, especially near harvest // Can be used for organic production	4 x 2 kg	BM02	0.25 - 0.5	3 hrs	4 hrs	0
Forum <small>Fungicide</small>	Excellent control of late blight in potatoes, both in the field and into storage Highly systemic tank-mix partner for control of late blight in potatoes // Antisporulant activity controls spores and stops the spread of disease // Easy-to-use liquid formulation	2 x 4.5 L	40	0.45	2 hrs	12 hrs	4
Zampro <small>Fungicide</small>	Powerful control of late blight and tuber blight that recharges with moisture Multiple modes of action to manage late blight // Prevents initial infection and stops disease spread // Recharges with moisture when you need it most	4 x 4.14 L	40 & 45	0.8 - 1.0	2 hrs	12 hrs	4
Insecticides							
Titan <small>Insecticide</small>	Broad-spectrum systemic insecticide for control of insect pests and for suppression of wireworms in potatoes Registered as a seed-piece treatment and for in-furrow applications for greater flexibility // Controls many above-ground pests, including aphids, Colorado potato beetle, flea beetle and leafhopper and reduces the tuber damage caused by wireworms // Early insect control helps plants grow without damage, maximize yield quality and reduce the risk of secondary diseases	2 x 3 L	4	10.4 - 20.8 mL ³ 2.0 - 3.33 mL ⁴	N/A	12 hrs	N/A
Cimegra <small>Insecticide</small>	Controls wireworms for in-season management and reduction of resident populations Unique mode of action that delivers lasting efficacy and no known resistance // Convenience of simplified handling // Can easily be incorporated into an integrated pest management strategy	2 x 3 L	30	0.25	N/A	N/A	N/A
Sefina <small>Insecticide Powered by Inscalis®</small>	A lasting barrier that protects against aphids Quickly halts aphid feeding, reducing production losses and virus transmission // Powered by Inscalis®, a unique mode of action that controls labeled aphid pests that have developed resistance to other insecticides // Extended control of aphids // Effective tool in an Integrated Pest Management strategy with safe use on beneficial insects, including predatory and parasitic insects	2 x 3.24 L	9D	0.2 - 1.0	1 hr	12 hrs	7

¹ **Plant Health Benefits** refer to products that contain the active ingredient pyraclostrobin. All comparisons are against grower standard unless otherwise stated.

² 1 hour or when product has dried on crop

³ Potato seed-piece treatment: rate of Titan insecticide per 100 kg potato seed pieces

⁴ In-furrow application: rate of Titan insecticide mL / 100 m row

Resistance Management

Do not exceed the total number of sequential applications or total applications per season as stated in the product label. Fungicides should be used preventatively and in rotation with fungicides with a different mode of action.



For more information on our potato solutions and the 2022 BASF Ag Rewards program, visit **www.agsolutions.ca** or call **AgSolutions®** Customer Care at 1-877-371-BASF (2273).



We create chemistry

Always read and follow label directions.

AgSolutions. CEVYA, CIMEGRA, FORUM, FRONTIER, INSCALIS, REVYSOL, SEFINA, SERCADIS, SERIFEL, TITAN, VELTYMA, XEMIUM, ZAMPRO and ZIDUA are registered trademarks of BASF; all used under licence by BASF Canada Inc. CEVYA, FORUM, SERCADIS, SERIFEL, VELTYMA and/or ZAMPRO fungicides should be used in a preventative disease control program. © 2022 BASF Canada Inc.

So many varieties.

And even more ways to protect them.

OUR COMPLETE PORTFOLIO OF POTATO SOLUTIONS FOR 2022.

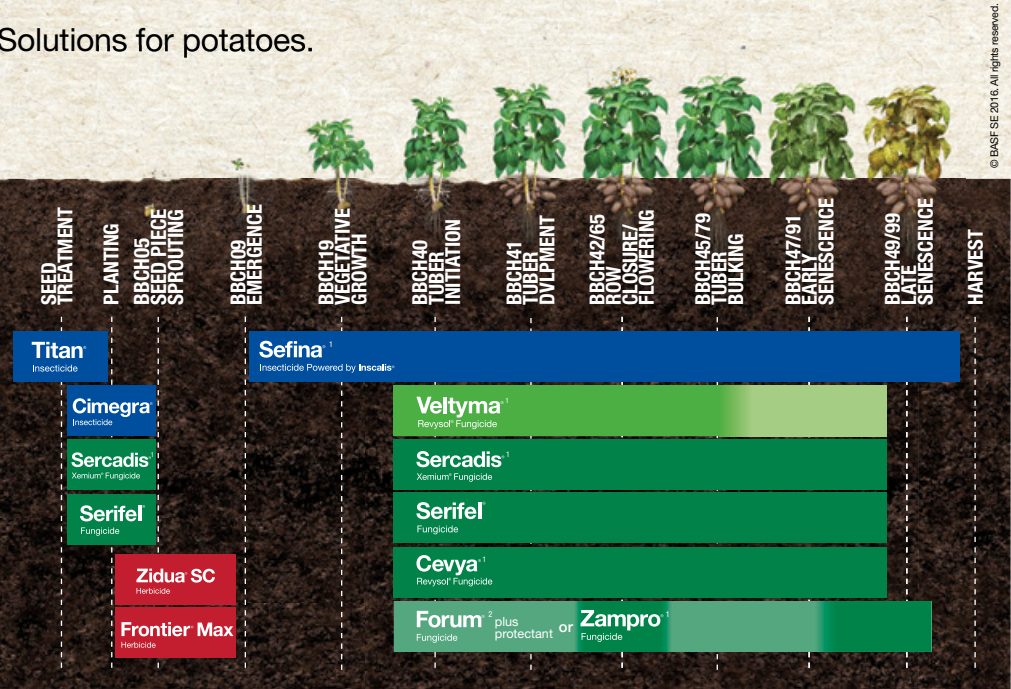


We create chemistry

Premium protection
all season long.

It's one of the largest vegetable crops grown in Canada today. So it just makes sense to treat it that way. At BASF, we're committed to providing potato growers with the most advanced chemistries to combat challenges at every stage of production.

Solutions for potatoes.



Staging graphics depicted here are for quick reference only. Refer to individual product pages and product labels on [agsolutions.ca](https://www.agsolutions.ca) or call **AgSolutions**® Customer Care at 1-877-371-BASF (2273) for detailed staging information.

Darker areas reflect recommended application period.

¹ Do not exceed the total number of sequential applications or total number of applications per season as stated in the product label.

² To reduce the risk of the development of fungicide resistance, tank mix Forum with other fungicides. Do not apply more than three (3) applications per season.

Weeds, diseases and insects	Growth Stage											
	Seed treatment	Planting (in-furrow)	Sprouting (after hilling)	Emergence	Vegetative growth	Tuber initiation	Tuber development	Row closure and flowering	Tuber bulking	Early senescence	Late senescence	Harvest
Weed Management												
Annual broadleaf weeds and annual grasses			Zidua SC ¹									
			Frontier Max									
Sedges			Frontier Max ²									
Disease Management												
Rhizoctonia canker (<i>Rhizoctonia spp.</i>)		Secardis										
		Sefifel ³										
Early blight (<i>Alternaria solani</i>)					Veltyma							
					Secardis							
					Cevya							
					Serifel ²							
Black dot (<i>Colletotrichum coccodes</i>)					Veltyma							
					Cevya ²							
Brown Spot (<i>Alternaria alternata</i>)					Veltyma ²							
					Cevya ²							
White Mold (<i>Sclerotinia sclerotiorum</i>)					Secardis							
Late blight (<i>Phytophthora infestans</i>) Tuber blight (<i>Phytophthora infestans</i>)					Forum							
					Zampro							
Insect Management												
Wireworm		Cimegra										
	Titan ⁴											
Colorado potato beetle (<i>Leptinotarsa decemlineata</i>)	Titan											
Potato flea beetle (<i>Epitrix cucumeris</i>)	Titan											
Potato leafhopper (<i>Empoasca fabae</i>)	Titan											
Buckthorn aphid (<i>Aphis nasturtii</i>) Foxglove aphid (<i>Aulacorthum solani</i>)	Titan											
Green peach aphid (<i>Myzus persicae</i>) Potato aphid (<i>Macrosiphum euphoribae</i>)	Titan			Sefina								
Silverleaf whitefly (<i>Bemisia argentifolii</i>) Sweet potato whitefly (<i>Bemisia tabaci</i>)				Sefina								

¹ Early-season residual suppression | ² Suppression | ³ Partial suppression | ⁴ Damage suppression

Know what you're up against.

Correctly identifying issues in the field is the first step in resolving them most effectively.

Early Blight	
Symptoms	
Leaf	Dark brown concentric lesions on mature foliage
Stem	Elongated brown and black lesions on the stems
Tubers	Eventually spreads as brown-black, sunken lesions on tubers
Ideal conditions for disease development	
Wet and dry conditions between 10° and 25° C // Usually occurs throughout the growing season // Can be associated with potatoes under stress from drought or nutrient deficiencies	

Source: Howard F. Schwarz, Colorado State University

Black Dot	
Symptoms	
Leaf & Stem	Often mistaken for verticillium wilt – verticillium - affected plants show yellowing leaves and brown discoloration in the cross-section of the roots or lower stem area // Black dot-infected plants display pepper-black dots on stems and leaves
Tubers	Brown to gray-blackish discoloration // Often confused with silver scurf, with pronounced micro-sclerotia dots
Ideal conditions for disease development	
High humidity // Warm temperatures	

Source: BASF

Wireworm	
Identification	
Egg	Hatch in the soil in spring
Larvae	Wireworms can live in soil for 3 to 5 years
Adult	Pupates in soil from late summer to early fall // Click beetle overwinters in soil, emerging in spring to lay egg
Ideal conditions for insect activity	
Once temperatures reach about 10° C, wireworms begin feeding on seeds and roots // Feeding can continue through to harvest	

Source: BASF

Late Blight	
Symptoms	
Leaf	Small necrotic spots surrounded with pale green border. White mycelium on underside of leaf or on stems – visible when plants are moist
Stem	Dark green or black water soaked lesions
Tubers	Irregular and shallow copper brown dry rot
Ideal conditions for disease development	
Extended wet conditions where foliage remains moist for more than a few hours after rain, irrigation or high humidity // Temperatures greater than 10° C	

Brown Spot	
Symptoms	
Leaf	Often mistaken for early blight // Can be differentiated by its foliar lesions that transform into large masses
Stem	Elongated, superficial brown or black lesions on stems
Tubers	Small black pits form on the tuber surface // Similar in appearance to pits caused by common scab, but usually deeper, narrower and darker
Ideal conditions for disease development	
Wet and dry conditions, similar to early blight // Can appear earlier than early blight	

Source: BASF

Aphid	
Identification	
Nymphs	No bigger than a pen tip // Smaller version of the adult aphid // Eggs hatched in spring, live birth in summer
Adult	Only a few mm in size // Colour ranges from greens to yellows to red/pink depending on crop // In summer all aphids are female and reproduce asexually wingless and winged aphids
Threshold	
See local standards	
Ideal conditions for insect activity	
Temperatures between 25° and 28° C // Thrive during ideal crop growing conditions // Most often found on the healthiest crops or sections of the field	

Source: BASF