Potato quick reference guide

Cluster	Product (Group)	Registration #	Application placement	WALES mixing order	Maximum applications (air)	Application rate*	REI (hours)	Control of	Suppression of	Comments
Biologicals										
Biostimulant	Megafol™	2025297F	Foliar	S	NA	1.0 L/acre (2.5 L/ha)	0			Helps plants respond to abiotic stress including: physical injury, heat, cold, and drought. Consider as a regular part of your spray program to assist with stress. In case of physical injury apply as soon as possible after.
Nutrient Use Efficiency	Envita® DRY	2023743S	Foliar	L	NA	5 g/acre (12.5 g/ha)	0			Not all products can be tank-mixed with Envita® Dry. Some tank mix partners have an adverse effect on *Gluconacetobacter diazotrophicus* (Gd), the active ingredient in Envita Dry. Be sure to refer to the Syngenta Canada website for more information: https://www.syngenta.ca/productsdetail/envita-dry#tank-mix.
Seed treatments										
Seed-borne disease	Revus® (Group 40)	29074	Seed	L	1	13 to 26 mL/100 kg (5.9 to 11.8 mL/cwt)	None	Late blight (preventative)	Pink rot	
	Vibrance® Ultra Potato (Group 3 + 7 + 40)	33171	Seed	L	1	32 mL/100 kg + 2.0 mL/100 kg of blue dye in second chamber of jug (14.5 mL/cwt + 0.9 mL/100 cwt of blue dye)	None	Rhizoctonia, Fusarium, silver scurf, late blight (preventative)	Pink rot	
Chewing and sucking pests	Actara® 240SC (Group 4)	28407	Seed	L	1	7.9 to 24.4 mL/100 kg (3.6 to 11.1 mL/cwt)	None	Aphids, Colorado potato beetle, potato leafhopper		Application rate depends on seeding rate. Do not exceed 488 mL/ha/season.
Broad-spectrum	CruiserMaxx® Vibrance® Potato (Group 4 + 3 + 7 + 12)	32009	Seed	L	1	32.5 mL/100 kg seed (14.7 mL/cwt)	None	Rhizoctonia, Fusarium, silver scurf, Colorado potato beetle, aphids, potato leafhopper		Optional + 2.0 mL/100 kg of blue dye in little jug.
In-furrow										
Soil-borne disease	Elatus® (Group 7 + 11)	31973 31977	In-furrow	L E	1	Elatus® A: 4 to 6 mL/100 m row Elatus® B: 0.2 to 0.3 L/acre (0.5 to 0.75 L/ha)	12	Rhizoctonia, silver scurf, black scurf	Verticillium	For best resistance management, count seed and soil applications of Group 7-containing fungicides toward the total number of recommended Group 7 foliar applications.
	Quadris® (Group 11)	26153	In-furrow	L	1	4 to 6 mL/100 m row	12	Rhizoctonia, silver scurf		
	RidomilGold® 480 SL (Group 4)	28474	In-furrow	S	1	4 mL/100 m row	12		Pink rot	
	Orondis® Gold DC (Group 4 + 49)	35176	In-furrow	E	1	18 mL/100 m row	12		Pink rot, Pythium leak	
Chewing and sucking pests	Actara® 240SC (Group 4)	28407	In-furrow	L	1	3.4 to 4.4 mL/100 m row	12	Aphids, Colorado potato beetle, potato leafhopper		

REI = Re-entry interval PHI = Pre-harvest interval



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Fungicides													
Leaf spots	Aprovia Top (Group 3 + 7)	31526	Foliar	E	4 (2)	0.26 to 0.39 L/acre (0.64 to 0.97 L/ha)	None	7 to 14	12	14	Early blight	Brown spot	For best resistance management, count seed and soil applications of Group 7-containing fungicides toward the total number of recommended Group 7 foliar applications.
	Miravis Duo (Group 3 + 7)	33206	Foliar	L	3	0.4 L/acre (1 L/ha)	None	7 to 14	12	14	Early blight, brown spot	Botrytis, white mould	For best resistance management, count seed and soil applications of Group 7-containing fungicides toward the total number of recommended Group 7 foliar applications.
	Quadris Top (Group 3 + 11)	30518	Foliar	L	3	0.23 to 0.4 L/acre (0.57 to 1 L/ha)	None	7 to 14	12	14	Early blight	Brown spot, black dot, white mould	Application rate differs by target.
Late blight	Orondis Ultra (Group 40 + 49)	32805	Foliar	L	3	0.16 to 0.24 L/acre (0.4 to 0.6 L/ha)	None	7 to 14	12	14	Late blight		
	Orondis Advanced (Group 29 + 49)	35748	Foliar	L	4	0.25 to 0.32 L/acre (0.63 to 0.79 L/ha)	None	7 to 10	24	14	Late blight, white mould		
	Revus (Group 40)	29074	Foliar	L	4	0.16 to 0.24 L/acre (0.4 to 0.6 L/ha)	NIS 0.25% v/v	7 to 10	12	14	Late blight		For best resistance management, apply with a non-Group 40 fungicide with efficacy against late blight.
	RidomilGold 480 SL (Group 4)	28474	Foliar	S	3	84 mL/acre (0.21 L/ha)	None	14	12	14	Late blight (see comment)	Pink rot, Pythium leak	Certain strains of late blight vary in sensitivity to Ridomil Gold®. Apply with a non-Group 4 fungicide with efficacy against late blight.
Broad spectrum	Kadexa SC (Group 29)	35449	Foliar	L	6 (high rate) 10 (low rate)	0.16 to 0.24 L/acre (0.4 to 0.6 L/ha)	None	7 to 10	24	14	Late blight, white mould		Application rate differs by target.
	BravoZN (Group M)	28900	Foliar	L	3	0.49 to 0.97 L/acre (1.2 to 2.4 L/ha)	None	7 to 10	See comments	2	Early blight, late blight, Botrytis		23 days for handset irrigation, 19 days for roguing in seed potato, 3 days for scouting, 12 hours for all other activities.
Post-harvest	Stadium (Group 3 + 11 + 12)	31050	Post-harvest	L	1	32.5 mL/1000 kg	None	NA	NA	NA	Fusarium	Silver scurf	
Insecticide													
Broad spectrum	Incipio PLINAZOLIN technology (Group 30)	35770	Foliar	L	1 (high rate) 2 (low rate)	40.5 to 61 mL/acre (100 to 150 mL/ha)	See notes	7	12	14	Colorado potato beetle, potato leafhopper	European corn borer	Application rate differs by target. For optimal control apply a non-ionic or methylated seed oil (MSO) surfactant at 0.25% v/v.
	Minecto Pro (Group 6 + 28)	33023	Foliar	L	2	0.15 to 0.27 L/acre (0.37 to 0.67 L/ha)	NIS 0.1 to 0.5% v/v	7	12	14	European corn borer, spider mite, potato psyllid, flea beetle, Colorado potato beetle		Application rate differs by target. Do not use Minecto® Pro if a Group 28 was applied in-furrow or to the seed.
Herbicides													
Grasses and broadleaves	Boundary LQD (Group 5 + 15)	30812	Pre-emergent	E	1	0.75 to 1.01 L/acre (1.85 to 2.5 L/ha)	None	NA	12	60	Barnyard grass, crabgrass (smooth, hairy), witch grass, fall panicum, foxtail (green, yellow, giant), nightshade (American, Eastern black), waterhemp	Redroot pigweed	Do not use on Belleisle, Tobique or Superior. For use in Eastern Canada only.
	Dual II Magnum (Group 15)	25729	Pre-plant incorporated or pre-emergent	E	1	0.51 to 0.71 L/acre (1.25 to 1.75 L/ha)	None	NA	12	NA	Nightshade (American, Eastern black), crabgrass (smooth, hairy), barnyard grass, fall panicum, foxtail (green, yellow, giant), old witchgrass, yellow nutsedge (pre-plant incorporated only)	Redroot pigweed	Do not use on Belleisle, Tobique or Superior.
Grasses	Venture L (Group 1)	21209	Post-emergent	E	1	0.24 to 0.81 L/acre (0.6 to 2 L/ha)	None	NA	12	45	Volunteer corn, Johnson grass, Persian darnel, barnyard grass, volunteer spring wheat and spring barley, wild oats, wild proso millet, crabgrass, fall panicum, old witchgrass, foxtail (green, yellow, giant), quack grass, wirestem muhly		Application rate differs by target.
Desiccant	Reglone (Group 22)	26396	Desiccant	S	2	0.51 to 1.42 L/acre (1.25 to 3.5 L/ha)	None	4 to 6	24	1	Green plant growth		Label rate dependent on top growth and location.

Please check with your packer or buyer when using any Syngenta product on potatoes potentially destined for export outside of Canada and see the Food Chain ID Regulatory Limits by BCGlobal database at https://bcglobal.bryantchristie.com/db#/pesticides/query for a complete list of MRLs. Should you need additional information on export market MRLs, please consult with Syngenta to receive the most up-to-date information. Trademarks are property of their respective owners.

*For complete information regarding rates, see product label. Rate information is based on product labels. In the case of ranges, the most commonly used rates are listed.

Always refer to the label to confirm crop/crop group registration and application information, as well as buffer zones, PPE, etc., before application

All information is current at time of publication and is subject to change without notice. For more information, contact our Customer Interaction Centre at 1-87-SYNGENTA (1-877-964-3682) or visit Syngenta.ca.

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