Cereal quick reference guide (Brown Soil Zone)

Product (Group)	Highlights	Active ingredients	Application rate*	Packaging	Control of**	Suppression of**	Registered Crops	Application timing	Water volume	Comments
Seedcare™										
NEW Equento® Cereals (Group 30, 4, 7, 4, 12)	Equento® Cereals seed treatment is the most reliable wireworm mortality solution because it is the first to offer both contact and systemic activity on wireworms.	PLINAZOLIN® Thiamethoxam Difenoconazole Sedaxane Metalaxyl-M and S-isomer Fludioxonil	325 mL/100 kg of seed	Case: 10 L Cruiser Vibrance Quattro + 2.3 L Equento Bulk: 115 L tote of Cruiser Vibrance Quattro + 26 L tote of Equento	Control of Wireworms. European chafer[1], Seed rots caused by *Fusarium, Pythium, Rhizoctonia*, Covered smut (*Ustilago hordei*), false loose smut (*U. nigra*), true loose smut (*U. nuda*), Common bunt (*Telletia tritici*)	Common root rot (*Cochliobolus sativus*), Fusarium crown and foot rot (*Fusarium spp.*), Seed-borne Cochliobolus sativus, Take-all (*Gaeumannomyces graminis*)	Barley, Durum, Oats, Rye, Spring wheat, Triticale, Winter wheat	Seed treatment		Equento® Cereals seed treatment is a first-of-its-kind mortality solution for wireworms with both contact and systemic activity plus an additional suite of fungicide active ingredients to protect their cereal crop from a broad range of seed- and soil-borne diseases.
NEW Cruiser® Vibrance Quattro (Group 4A insecticide, Group 3, 4, 7 + 12 fungicides)	Trusted wireworm solution and broad-spectrum fungicide while the Vigor Trigger® provides faster emergence	Thiamethoxam Difenoconazole Metalaxyl-M Sedaxane Fludioxonil	325 mL/100 kg of seed	Case: 2 x 10 L Drum: 115 L Tote: 450 L	Wireworm, European chafer[1], Seed rots caused by *Fusarium, Pythium, Rhizoctonia, Penicillium* and *Aspergillus* spp., Seedling blight, root rot, and damping-off caused by seed- and soil-borne *Fusarium* and *Rhizoctonia* spp., Seedling blight, root rot, and damping-off caused by soil-borne *Pythium* spp., Seed-borne Alternaria (*Alternaria* spp.), Covered smut (*Ustilago hordei*), false loose smut (*U. nigra*) and true loose smut (*U. nuda*), Common bunt (*Telletia tritici*)	Common root rot (*Cochliobolus sativus*), Fusarium crown and foot rot (*Fusarium* spp.), Seed-borne *Cochliobolus sativus*, Take-all (*Gaeumannomyces graminis*)	Barley, Durum, Oats, Rye, Spring wheat, Triticale, Winter wheat	Seed treatment	See comments	Depending on seed size, Cruiser Vibrance Quattro seed treatment may be applied as a ready-to-apply product or water may be added to form slurry for more uniform coverage.
NEW Vayantis® Cereals (Group 7, U11, 3, 4, 12)	Vayantis® Cereals is the most complete fungicide-only cereal seed treatment, putting five active ingredients to work againstearly-season diseases for a strong, uniform cereal plant stand.	Sedaxane Picarbutrazox Tebuconazole Metalaxyl-M and S-isomer Fludioxonil	325 mL/100 kg seed (17.5 g ai/100 kg seed)	Case: 2 x 10 L Drum: 115 L Tote: 450 L	Seed- and soil-borne diseases caused by *Pythium* spp., *Fusarium* spp. *Rhizoctonia, Cochliobolus sativus* and other key pathogens. Common bunt/ Stinking smut, Loose smut (Wheat and oats only), True loose smut and covered smut (Barley only)		Wheat (spring, durum, winter), barley and oats	Seed treatment		Equipment should be calibrated prior to treatment to ensure uniform coverage. Uneven seed coverage may not give the desired level of disease control. Calibration of seeding equipment is also recommended before planting treated seed.
NEW Vibrance® Quattro (Group 3, 4, 7 + 12 fungicides)	Broad-spectrum control of seed- and soil-borne diseases in a convenient easy-to-apply premix; excels against seed-borne fusarium	Difenoconazole Metalaxyl-M Sedaxane Fludioxonil	325 mL/100 kg of seed	Case: 2 x 10 L Drum: 115 L Tote: 450 L	Seed rots caused by *Fusarium, Pythium, Rhizoctonia, Penicillium* and *Aspergillus* spp., Seedling blight, root rot, and damping-off caused by seed- and soil-borne *Fusarium* and *Rhizoctonia* spp., Seedling blight, root rot, and damping-off caused by soil-borne *Pythium* spp., Seed-borne Alternaria (*Alternaria* spp.), Covered smut (*Ustilago hordei*), false loose smut (*U. nigra*) and true loose smut (*U. nuda*), Common bunt (*Telletia tritici*)	Common root rot (*Cochliobolus sativus*), Fusarium crown and foot rot (*Fusarium* spp.), Seed-borne *Cochliobolus sativus*, Take-all (*Gaeumannomyces graminis*)	Barley, Durum, Oats, Rye, Spring wheat, Triticale, Winter wheat	Seed treatment	See comments	Depending on seed size, Vibrance® Quattro seed treatment may be applied as a ready-to-apply product or water may be added to form slurry for more uniform coverage.
Herbicides										
Traxos® Xtreme (Group 1 + 4)	When weed pressure intensifies, upgrade your defense with Traxos® Xtreme, a powerful herbicide that combines superior graminicide action with a high rate of fluroxypyr.	Pinoxaden Clodinafop Fluroxypyr	0.5L/ac (1.2L/ha)	Case: 2X10L (treats 40 ac) Drum: 80L (treats 160 ac) Tote: 400L (treats 800 ac)	**Grass weeds:** Barnyard grass, Volunteer canary seed, Green foxtail, Volunteer (tame) oats, Persian darnel, Wild oats, Proso millet, Yellow foxtail **Broadleaf weeds, including:** Cleavers, Kochia, Round-leaved mallow, Volunteer flax	Chickweed, Hempnettle, Stork's-bill, Wild Buckwheat	Spring wheat, Winter wheat, Durum wheat		Ground: 5-10 gal/ac (50-100 L/ha) when applied alone. 10 gal/ac (100L/ha) when tank-mixed.	
Traxos® III (Group 1, 4 + 6)	Easy-to-use with optimized AI rates for highly effective grass and broadleaf weed control.	Pinoxaden Clodinafop Fluroxypyr Bromoxynil 2,4-D	0.5L/ac (1.25L/ha) Traxos III A + 0.5L/ac (1.25L/ha) Traxos III B	Case: 10L Traxos III A and 10L Traxos III B (treats 20 acres) Co-pack: 80L drum Traxos III A + 80L drum Traxos III B drum (treats 160 acres)	**Grass weeds:** Barnyard grass, Volunteer canary seed, Green foxtail, Volunteer (tame) oats, Persian darnel, Wild oats, Proso millet, Yellow foxtail **Broadleaf weeds, including:** Ball mustard, Bluebur, Cleavers, Cocklebur, Common groundsel, Common ragweed, Cow cockle, Flixweed, Green smartweed, Kochia, Lamb's quarters, Night-flowering catchfly, Redroot pigweed, Round-leaved mallow, Russian thistle, Shepherd's purse, Stinkweed, Volunteer canola, Volunteer flax, Wild mustard, Wild buckwheat	Chickweed (up to 8 cm), Hempnettle (2-6 leaf), Stork's-bill (1-8 leaf)	Spring wheat, Durum wheat	Apply two leaf to stem elongation from (BBCH 12 - 31).	Ground: 10 gal/ac (100L/ha)	
Traxos® (Group 1)	Traxos® herbicide is the workhorse that delivers quick and consistent control that's safe on your crop.	Pinoxaden Clodinafop	0.5 L/ac (1.2 L/ha)	Case: 2 x 10 L (treats 40 ac) Drum: 80 L (treats 160 ac) Tote: 400 L (treats 800 ac)	**Grass weeds:** Barnyard grass, Volunteer canary seed, Green foxtail, Volunteer (tame) oats, Persian darnel, Wild oats, Proso millet, Yellow foxtail		Durum, Spring wheat, Winter wheat	Apply on spring wheat and durum prior to emergence of fourth tiller. Apply on actively growing weeds. Early application will help maximize crop yields by reducing weed competition.	5–10 gal/ac (50–100 L/ha)	
Erebus® Xtreme (Group 2 + 4 herbicides)	A reliable cross-spectrum brand to include in a grassy weed resistance management strategy	Pyroxsulam Fluroxypyr	Erebus™ Xtreme: 0.47 L/ac Erebus Xtreme B utility modifier: 95 mL/ac	Case: 2 x 9.46 L Erebus Xtreme + 3.88 L Erebus Xtreme B utility modifier (treats 40 ac)	Wild oats, barnyard grass, Japanese brome, Yellow foxtail, Bluebur, Chickweed, Cleavers, Cow cockle, Flixweed, Hempnettle, Lady's thumb, Kochia, Redroot pigweed, Round-leaved mallow, Shepherd's purse, Stinkweed, volunteer canola, volunteer flax, Wild buckwheat	Stork's bill, Downy Brome, Green Foxtail, Canada Thistle, Dandelion, Russian Thistle	Durum, Spring wheat, Winter wheat	**Crop stage:** Spring wheat and durum: 3-leaf stage (4-leaf stage if mixed with 2,4-D) to before flag-leaf stage Winter wheat: 3 tiller stage to just before the flag leaf stage **Broadleaf weeds:** Apply post-emergence when weeds are in the seedling stage (2-4 leaf), unless otherwise noted on the label), and actively growing	Ground: 5-10 gal/ac Aerial: at least 3 gal/ac	Erebus™ Xtreme may be tank mixed with either 2,4-D Ester or MCPA for additional broadleaf weed control.
Sabatis® (Group 2 + 4 herbicides)	Tried and true actives make this broadleaf a dependable and compatible tank mix partner	Florasulam Fluroxypyr MCPA	0.405L/ac	2 x 8.1 L case (treats 40 ac) 97.2 L drum (treats 240 ac)	Burdock, cleavers at 1–8 whorl (including ALS resistant biotypes), cocklebur, common chickweed, flixweed, hempnettle, kochia (including ALS resistant biotypes), Lamb's quarters, plaintain, prickly lettuce, ragweed, redroot pigweed, Russian pigweed, shepherd's purse, smartweed, stinkweed, sunflower (annual), vetch, volunteer canola, volunteer flax, wild buckwheat, wild mustard, wild radish	stork's bill	Barley, durum, oats, Spring wheat, Winter Wheat	**Crop Stage:** Barley, durum, spring wheat, winter wheat: 2-leaf expanded to just prior to flag leaf emeregence. **Broadleaf weeds:** Apply when weeds are actively grower (2-4 leaf stage).	Ground: 10 gal/ac	Re-cropping: Fields previously treated with Sabatis herbicide can be seeded the following year to alfalfa, barley, canola, corn, fababeans, field beans, flax, lentils, mustard, oats, peas, potato, soybean, sunflower or wheat or fields can be summerfallowed.
Talinor™ (Group 6 + 27)	A broadleaf herbicide that works quickly and is excellent on **kochia**; use this unique Group 27 to help guard against weed resistance	Bromoxynil Bicyclopyrone	0.405 L/ac	Case: 2 x 8.1 L (treats 40 ac) Drum: 129.6 L (treats 320 ac) Tote: 324 L (treats 800 ac)	**Broadleaf weeds:** Annual sow thistle, cleavers (including Group 4 resistant biotypes), chickweed, flixweed, hempnettle, kochia, lamb's quarters, narrow-leaved hawk's beard, redroot pigweed, scentless chamomile, shepherd's-purse, stinkweed, volunteer canola (conventional and herbicide tolerant), wild buckwheat, wild mustard	**Broadleaf weeds:** Canada thistle, dandelion, horsetail, round-leaved mallow, russian thistle, white cockle	Barley, Durum, Spring wheat	**Crop stage:** 2 leaf to 6 leaf, 3 tiller **Broadleaf weeds:** Refer to label for staging specific to target weeds.	Ground: 5-10 gal/ac (10 gal/ac is recommended)	Recommended water volume is 10gpa. No other surfactant or water conditioner is required. Do not mix with AMS/UAN, micronutrients, or other additives. Re-cropping restrictions: 10 months - Alfalfa, canola, chickpeas, flax, mustard, potato, soybeans, barley, oats, wheat, spring wheat and durum, field peas[2]; 22 months - Dry beans, lentils; *Field peas may be grown the year following a Talinor herbicide application provided the following are met: 1. Precipitation must be equal to or above 10-year average (min. 100mm within 60 days of application in the year of application). 2. Organic matter must be above 2.5% 3. Soil pH must be above 6.0.

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Fungicides										
Miravis Ace (Group 3 + 7)	Unmatched application flexibility to manage Fusarium head blight,ergot and leaf diseases.	Propiconazole ADEPIDYN®	0.4 L/ac tank mixed with a non-ionic surfactant at a rate of 0.125% v/v	Case: 2 x 8.1 L (treats 40 ac) Tote: 405 L (treats 1000 ac)	Various late season leaf diseases. See label.	Fusarium head blight (*Fusarium* spp.), ergot	Barley, Durum, Oats, Spring Wheat, Winter Wheat	**Wheat and oats:** Apply within the range of at least 75 percent of heads on the main stem fully emerged to when 50 percent of the heads on the main stem are flowering (BBCH 57-65). **Barley:** Apply within the range of at least 70 percent of heads on the main stem fully emerged to three days after full head emergence (approximately 50 percent of florets are exposed). **Leaf diseases:** Apply 0.3 L/ac from first sign of disease to when 50 percent of the heads on the main stem are flowering (wheat and oats) or to three days after full head emergence (barley). **Fusarium head blight, ergot and late season leaf diseases:** Wheat and oats - Apply 0.3 – 0.4 L/ac within the range of 75% of heads on the main stem fully emerged to when 50% of the heads on the main stem are flowering. Barley - Apply 0.3 – 0.4 L/ac within the range of 70% of heads on the main stem fully emerged to three days after full head emergence.	Ground: 10 gal/ac Aerial: 5 gal/ac	Add a non-ionic surfactant at a rate of 0.125% v/v
Miravis Era (Group 3 + 7) **NOW A PREMIX**	The most effective Fusarium head blight and late season leaf disease fungicide available.	Prothioconazole ADEPIDYN®	0.25 L/ac (0.625 L/ha)	Case: 2 x 10.12 L (treats 80 ac) Drum: 80.97 L (treats 320 ac) Tote: 253 L (treats 1000 ac)	All major leaf diseases.	Fusarium head blight (*Fusarium* spp.)	Barley, Durum, Oats, Rye, Spring Wheat, Triticale, Winter Wheat	**Wheat and oats:** Apply within the range of at least 75 percent of heads on the main stem fully emerged to when 50 percent of the heads on the main stem are flowering. **Barley:** Apply within the range of at least 70 percent of heads on the main stem fully emerged to three days after full head emergence (approximately 50 percent of florets are exposed).	Ground: 10 gal/ac Aerial: 5 gal/ac	
Biological										
YieldON	Liquid foliar biostimulant used to "switch on" crop productivity.	A unique combination of extracts from plants and seaweeds, enriched with trace elements Mn, Zn, and Mo.	0.75 L/ac	2 x 10 L case (treats 26 ac) Tote: 450 L (treats 600 ac)	The unique combination of ingredients improves cell division and expansion, allowing increased uptake and transport of nutrients and sugars from the leaves to the grain, which in turn can boost crop productivity.		Durum, Spring Wheat, Winter Wheat	Tank Mix with Miravis® Era or Miravis® Ace and apply at labelled Fusarium head blight (FHB) application timing	Ground: 10 gal/ac	Tank mix with Miravis® Era or Miravis® Ace.

Cereal application timing



Seed	1 leaf	2 leaf	4 leaf + 1 tiller	5 leaf + 2 tillers	6 leaf + 3 tillers	Stem elongation	Penultimate leaf	Flag leaf	1/2 head emergence	Head emergence	Maturity
Equento Cereals	Traxos										
Vibrance Quattro			Traxos III								
Cruiser Vibrance Quattro		Traxos Xtreme									
		Talinor									
			Erebus Xtreme								
		Sabatis									
										Miravis Ace	
										Miravis Era	
										YieldON	

For more information, visit our cereal crop page

[1]Control of European chafer when mixed with Cruiser® 5FS.
[2]Refer to individual product labels for crop-specific re-cropping restrictions before making an application.
*For complete information regarding rates, see product label. Rate information is based on product labels for use in cereal. In the case of ranges, the most commonly used rates are listed. Always refer to the label to confirm application information, as well as buffer zones, PPE, etc., before application.
**Refer to the label for a complete list of weeds controlled/suppressed.

All information is current at the time of publication and 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.

Always read and follow label directions. Equento® Cereals is an on-seed application of Cruiser® Vibrance® Quattro fungicide/insecticide seed treatment and Equento with PLINAZOLIN® technology insecticide seed treatment. Traxos® III is a co-pack of Traxos III A herbicide and Traxos III B herbicide. ADEPIDYN®, Adigor®, Axial®, Cruiser®, Equento®, Erebus®, Miravis®, PLINAZOLIN®, Sabatis®, Seedcare™, Talinor®, Vibrance®, Vigor Trigger® and the Syngenta logo are trademarks of a Syngenta Group Company. YieldON™ is a trademark of Valagro®, a division of a Syngenta Group Company. Other trademarks are property of their respective owners. © 2026 Syngenta.

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