Cereal quick reference guide

Product	Key crops	Application timing	WALES mixing order	Recommended spray volume (US gal/ac)	Active ingredients (F, H, I Group)	Jug or tote size	Common rates per acre[1]	Acres per jug/ case	Acres per tote	Rainfast (hours)	REI (hours)	PHI (days)	Key pests controlled	Comments	Also labelled for use in
Plant growth regulator															
Moddus®	Wheat (spring, winter) Barley Oats Rye	T1 GS (31–32) T2 GS (37–39)	E	Minimum: Ground: 10 Aerial: 5	Trinexapac-ethyl (regulator)	10 L	Winter wheat, barley, rye : 0.42 L Spring wheat and oats: 0.34 L	Jug: 24 Case: 48	1000	3	12	Grain and straw: 0 (harvest at maturity) Forage and hay: 30	Lodging: Moddus® mitigates the risk of lodging in cereals by improving stem strength and standability. Full application window is BBCH 30–39 (beginning of stem elongation to flag-leaf stage).	Moddus should not be applied to stressed crops and only applied to healthy, actively growing crops. Only one application permitted in rye and winter wheat.	Perennial ryegrass (for seed)
Fungicides															
Miravis® Ace	Wheat (spring, winter) Barley Oats	Apply at T3 (see comments for details)	L	20	ADEPIDYN® (F-7) Propiconazole (F-3)	8.1 L 405 L tote	0.405 L	Jug: 20 Case: 40	1000	2	12	Do not apply after BBCH 65 (main heads 50% flower) Forage and hay: 7	Fusarium head blight (suppression), powdery mildew, Septoria leaf spot, tan spot, leaf rust, stem rust, stripe rust, blotch	For best results apply when the majority of the main stem heads have begun flowering (BBCH 61) and before the end of BBCH 65. Apply with a 90% non-ionic surfactant at a rate of 0.125% v/v in the spray tank.	
NEW Miravis® Era	Wheat (spring, winter) Barley Oats Rye Triticale	Apply at T3 (see comments for details)	L	20	ADEPIDYN® (F-7) Prothioconazole (F-3)	10.12 L 250 L tote	0.25 L	Jug: 40 Case: 80	1000	2	24	Do not apply after BBCH 65 (main heads 50% flower) Grain: 30 days Forage: 7 Hay: 14	Fusarium head blight (suppression), powdery mildew, Septoria leaf spot, tan spot, leaf rust, blotch	For best results apply when the majority of the main stem heads have begun flowering (BBCH 61) and before the end of BBCH 65. Application at the timing for Fusarium head blight will control leaf diseases that occur later in the season. Application at this timing is not intended to provide curative control of established leaf diseases. Grain and straw may be fed at normal maturity.	
Miravis® Neo	Wheat (spring, winter) Barley Oats Rye	Optimal timing is T2/flag leaf (see comments for details)	L	20	ADEPIDYN® (F-7) Azoxystrobin (F-11) Propiconazole (F-3)	10.12 L 405 L tote	0.303 L	Jug: 33.75 Case: 67.5	1350	2	12	Grain and straw: 45 Forage and hay: 30	Wheat: Septoria leaf blotch, spot blotch, tan spot, leaf rust, stripe rust Barley: Scald, Septoria leaf blotch, spot blotch, tan spot, net blotch, stripe rust Oats: Septoria leaf blotch, crown rust Rye: Scald, Septoria leaf blotch, tan spot, stripe rust	Make one application at or between T1 and T2 timing. For maximum yield potential, apply as close to flag leaf timing as possible. Apply before disease development and use sufficient water volume to obtain thorough coverage (20 gallons per acre recommended).	Corn Soybeans
Quilt®	Wheat (spring, winter) Barley Oats Rye	Optimal timing is T2/flag leaf (see comments for details)	L	20	Azoxystrobin (F-11) Propiconazole (F-3)	10.12 L	0.303 L	Jug: 33.75 Case: 67.5	N/A	2	12	Grain and straw: 45 Forage and hay: 30	Wheat: Leaf rust, Septoria leaf spot, stripe rust, tan spot Barley: Leaf rust, net blotch, scald, Septoria leaf spot, tan spot Oats: Crown rust, Septoria leaf spot Rye: Scald, Septoria leaf spot, tan spot	Make one application at or between T1 and T2 timing. For maximum yield potential, apply as close to flag leaf timing as possible. Apply before disease development and use sufficient water volume to obtain thorough coverage (20 gallons per acre recommended).	Corn Soybeans

REI = Re-entry interval PHI = Pre-harvest interval N/A = Not Applicable

WALES mixing order

The WALES tank-mixing method outlines the order in which products should be added to the mix.

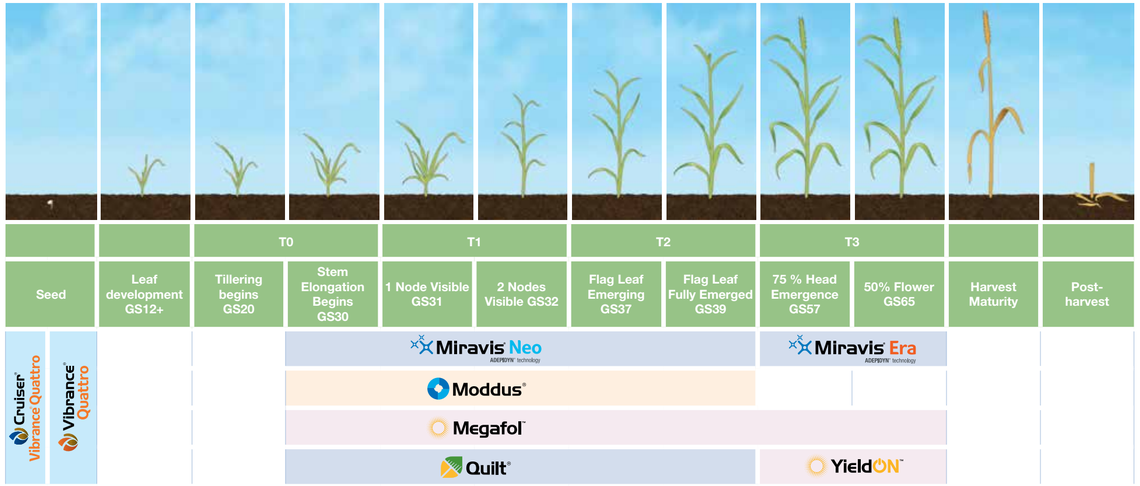
- **W** Water or fluid fertilizer goes into the tank before anything else.
- **W** Water-soluble packets (WSPs) go into clean water before any other products.
- **W** Add wettable powders (WPs).
- **W** Add wettable dry granules (WDGs).
- **A** Maintain agitation throughout the mixing/ spraying process. Allow each product to mix before adding new materials.
- **L** Add flowable (F), suspension concentrates (SCs), oil dispersion (ODs) or soluble liquids (SLs).
- **E** Add emulsifiable concentrates (ECs). Complete filling with carrier.
- **S** Last, add solutions and surfactants such as NIS (when required by the label). Maintain agitation until all of the solution has been sprayed.

STACKED CEREALS™ by syngenta

syngenta®

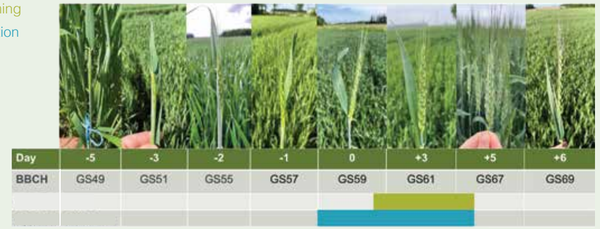
Product	Key crops	Application timing	WALES mixing order	Recommended spray volume (US gal/ac)	Active ingredients (F, H, I Group)	Jug or tote size	Common rates per acre[1]	Acres per jug/ case	Acres per tote	Rainfast (hours)	REI (hours)	PHI (days)	Key pests controlled	Comments	Also labelled for use in
Biologicals															
Envita dry	Cereals	Post emerge (3+ leaf)	L (add to tank last)	10-20	*Gluconacetobacter diazotrophicus*	200 g pouch 16 pouches per case	5 g	Pouch: 40 Case: 640	N/A	2	0	0		Not all products can be tank-mixed with Envita® Dry. For more information, visit: www.syngenta.ca/productsdetail/envita-dry#tank-mix	Corn Potatoes Soybeans Other row crops
Megafol	Cereals	Post emerge and pre/post stress	L (add to tank last)	10-20	Selected plant extracts, including vitamins, amino acids, proteins, betaines and growth factors	10 L 450 L tote	0.5-1.0 L	Jug: 10–20 Case: 20–40	450-900	4	0	0		Megafol™ helps plants respond to stress. Best management practice: For non-major stress event apply Megafol at 0.5 L/ac twice; once with T1–T2 pass and the second with T3 fungicide pass. For stress event such as hail, apply at full 1 L/ac rate.	Corn Potatoes Soybeans Assorted fruit and vegetable crops
YieldON	Wheat	Optimal timing is with Miravis® Era or Miravis® Ace at T3	L (add to tank last)	20	Combination of plant extracts and seaweeds, with trace elements Mn, Zn and Mo	10 L	0.75 L	Jug: 13.33 Case: 26.67	N/A	4	0	0		YieldON™ is a liquid foliar biostimulant applied at T3 to improve the flow of nutrients and sugars throughout the plant which in turn can increase yield.	Corn Soybeans Sunflower

Application timing



Wheat (durum, spring wheat, winter wheat)

Apply within the range of at least 75% of heads on the main stem fully emerged to when 50% of the heads on the main stem are flowering (BBCH 57-65). Ideal timing is when the head is fully exposed and the first flowers are visible.



[1] For complete information regarding rates, see product label. Rate information is based on product labels. If a product label contains rate ranges, then this quick reference guide will list either: (i) the complete rate range; (ii) the most common rate range for control or suppression of priority pests; or (iii) the most commonly used rate.

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 publishing 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.

Always read and follow label directions. Miravis® Neo refers to Miravis® Neo 300SE fungicide. ADEPIDYN®, Cruiser®, Miravis®, Moddus®, Quadris®, Quilt®, Stacked Cereals™, Vibrance® and the Syngenta logo are trademarks of a Syngenta Group Company. Megafol™ and YieldON™ are trademarks of VALAGRO S.p.A., a Syngenta Group Company. Envita® is a trademark of Azotic Technologies Limited. Used under license. © 2026 Syngenta.

