



Mavrik®

Aphid control in cereals

Product Information

Active ingredients: 240g/L tau-fluvalinate

Formulation: Oil in water emulsion

Pack size: 1 litre

Water volume: 200L/ha

Spray quality: Medium

Buffer: 6m buffer for non-target arthropods and a 5m aquatic buffer (or 1m to dry ditch)



Key Benefits

- Less impact on beneficial insects compared to other pyrethroids
- Opportunity for rate flexibility in autumn/winter for BYDV vector control, consider 0.15L/ha against bird cherry aphids and non-resistant grain aphid populations

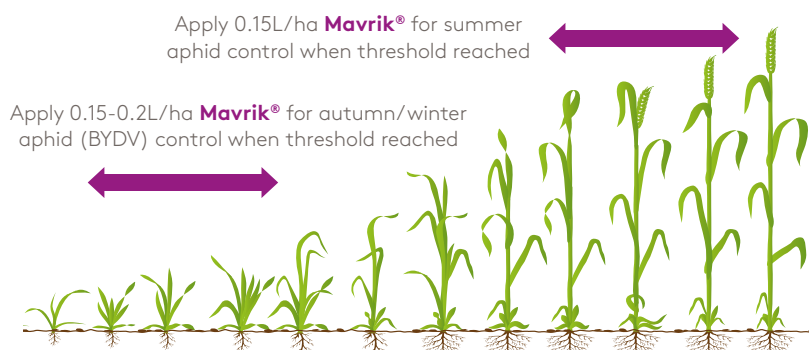
Crop Information

Crops/situations	Max ind. dose (L/ha)	Max total dose (L/ha)	Max no. of treatments	Latest time of application
Winter wheat	0.2	0.4	-	Before kernel medium milk (before GS 75)
Winter barley	0.2	0.4	-	Before caryopsis watery ripe (before GS 71)
Spring wheat	0.15	-	1 per crop	Before kernel medium milk (before GS 75)
Spring barley	0.15	-	1 per crop	Before caryopsis watery ripe (before GS 71)

Less Impact on Beneficials

Beneficial insects	Pyrethroid 1 (label field rate)			Mavrik (0.2L/ha)			Control (water)			<ul style="list-style-type: none"> • Mavrik has less residual effect on beneficials compared to other pyrethroids and allows for earlier population recovery • Residual effect over time after application to treated leaf surfaces, by the introduction of adult ground/rove beetle and larvae of lacewing, ladybird, hoverfly, parasitic wasps, flies
	1 day	3 days	1 week	1 day	3 days	1 week	1 day	3 days	1 week	
Ground beetles	4	4	4	1	1	1	1	1	1	<p>Key autumn/winter beneficial insects</p>
Rove beetles	2	2	1	1	1	1	1	1	1	
Lacewings	3	4	1	1	1	1	1	1	1	
Ladybirds	4	4	4	3	1	1	1	1	1	
Hoverflies	4	4	4	3	2	2	1	1	1	
Parasitic wasps, flies	2	2	1	1	1	1	1	1	1	

IOBC* classification: 1 – Non-toxic 2 – Slightly toxic 3 – Average toxicity 4 – Toxic **Source:** IPM Impact, Belgium. Semi-field trials 2014 and 2015.
IOBC - International Organisation of Biological Control/WRPS Working Group Pesticides and Beneficial Organisms



Summer aphid threshold: before GS61 – half of tillers infested; GS61 to two weeks before end of grain filling – two-thirds of tillers infested. Autumn/winter aphid (BYDV) threshold: no satisfactory threshold exists, if aphids are present at early growth stages (pre GS31) then it is assumed they may be carrying virus and application should be made.

Autumn 2019

Mavrik® Tank Mixes

Note

ADAMA Agricultural Solutions UK Ltd. **DO NOT** support mixes with products containing Boron.

2-Way Mixes

The following tank mixes have been tested for physical compatibility with Mavrik and will mix at recommended rates:

Herbicides

Ally Max SX	Dow Shield 400	Herold	Movon#	Shogun
Anthem	Easel	Hurricane SC	Omaha 2	Stomp 400 SC
Atlantis WG + BioPower	Falcon	Iconic	Oskar	Sultan 50SC
Blazer	Firebird	Inka SX	Othello	Topsail
Broadway Star + Activator 90 or BioSyl#	Fox	Kerb	Pacifica	Tower
CC Mondial	Fusilade Max	Laser + oil	Panarex	Traton SX
Cohort	Galera	Legion	Pilot Ultra	Tribal
Concert SX	Harmony M SX	Leopard 5EC	Quantum SX	
Crawler	Hatra	Liberator	Rocket	
Defy	Headland Saxon	Lorate SX	Spinnaker	

Fungicides

Agate EW	Cello	Firefly	Mirador Xtra	Swing Gold
Alto Elite	Cerix	Folicur	Monkey	Symetra
Amistar	Cherokee	Fortress	Orius P	Talius
Apres	Corbel	Gemstone	Phoenix	Tectura*
Arizona	Corinth	Helix	Plover	Toledo
Artemis	Cortez	Highgate*	Proline	Unix
Aviator Xpro	Custodia	Imtrex	Savannah	Variano Xpro
Boogie Xpro	Deacon	Jaunt	Seguris	
Bowman	Elatus Era	Jenton	Siltra Xpro	
Bravo 500	Elatus Plus	Juventus	Skyway 285 Xpro	
Bumper 250EC	Fandango	Kayak	Sparticus Xpro	
Caramba	Filan	Kestrel	Sunorg Pro	

Insecticides

Aphox	Plenum
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Growth Regulators

Adjust	Canopy	CC Cutlass	Meteor	Terpal
Barleyquat	Caryx	Cerone	Optimus	

Adjuvants

Bond	Felix	Galion	Li-700
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Other

Archer	Human Extra	Opte Mag	Quark	Verdi-crop Magnesium N
Bittersaltz	Magnor	Opte Man	Stefes Copper	Verdi-crop Magnor
Cuprolyt WP*	Manganese	Opte Man DF	Stefes Manic	Verdi-crop Phos Plus
Headland Bushel	MaxiCrop Triple	Opte Man Lightening	Stefes Regal Cereal Mix	Vytel Cu
Headland Jett	Max Man	Phosyn Liquid	Stefes Regal Manganese N	
Headland Liquid CuMan	Nortrace Mensa	Phosyn Mantrac 500	Verdi-crop Copper DF	
Headland Stag	Nortrace Phyte P Plus	Phosyn Mantrac DF	Verdi-crop Hu-man 15	
Headland Super 80	Opte Cu*	Phosyn MnCu Flowable	Verdi-crop Manganese DF	

3-Way Mixes

ADAMA Agricultural Solutions UK Ltd will support the following 3-way mix of Mavrik:

Caramba + Filan	Katamaran Turbo + Crawler	Nimbus CS + Crawler	Rocket + Shogun
Cohort + fungicide	Legion + Crawler	Pendimethalin + Hurricane	Shogun + Crawler
Cohort + graminicide	Legion + Falcon	Rocket + Crawler	Sultan + Crawler
Crawler + fungicide (except prothioconazole based products)	Legion + Plenum	Rocket + Plenum	Topkat + Crawler
Crawler + graminicide	Legion + Plover	Rocket + Plover	
Falcon + Crawler	Legion + Prosaro	Rocket + Prosaro	

4-Way Mixes

ADAMA Agricultural Solutions UK Ltd will support the following 4-way mix of Mavrik:

Crawler + Falcon + Agate	Crawler + Falcon + Orius P	Crawler + Shogun + Monkey	Legion + Laser + Actirob B
Crawler + Falcon + Monkey	Crawler + Shogun + Agate	Crawler + Shogun + Orius P	

Note:

only 2-way mixes supported. *Maintain constant agitation.

Incompatible mixes

DO NOT tank mix with products containing Boron.