



ADAMA

MAVRİK®

OILSEED RAPE



As winter oilseed rape crops begin to flower and the forecast of warmer weather building through April, growers and agronomists should monitor their crop for cabbage seed weevil activity. Adult weevils migrate into crops during flowering and lay eggs in developing pods, where hatched larvae feed within the pod typically consuming around 25% of the seeds before burrowing out through an exit hole to pupate in the soil.

The exit holes in the pods provide an entry point for brassica pod midge adults to lay their eggs, hatched larvae subsequently feed within the pod causing swelling and eventual pod burst. Yield losses from pod midge are potentially greater than direct losses from seed weevil. Controlling the seed weevil, providing they reach threshold levels, will avoid combined losses attributable to both pests. Crops should be monitored during flowering for the presence of adult weevils, these are best seen on flowering racemes on sunny days.

Product Information

Active ingredients: 240g/L tau-fluvalinate

Formulation: Oil in Water Emulsion

Pack size: 1 litre

Application Information

Water volume: 200L/ha (Increase water volume in dense crops)

Spray quality: Medium

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

Key Benefits

- Less acute toxicity to honey bees than other pyrethroids when used in accordance with the label and best practice advice
- Can be applied during flowering OSR
- Can be applied to coincide with sclerotinia applications

Crop Information

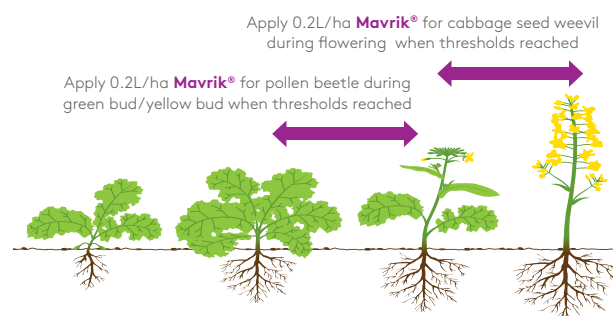
Crops	Max ind. dose (L/ha)			Max total dose (L/ha)			Latest time of application
	1 day	3 days	1 week	1 day	3 days	1 week	
Oilseed rape	0.2			0.4			Up to and including the end of flowering

Less Impact on Beneficials

Beneficial insects	Pyrethroid 1 (label field rate)			Mavrik® (0.2L/ha)			Control (water)		
	1 day	3 days	1 week	1 day	3 days	1 week	1 day	3 days	1 week
	Lacewings	3	4	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
Ground beetles	4	4	4	1	1	1	1	1	1
Rove beetles	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



- Mavrik® has less residual effect on beneficials compared to other pyrethroids and allows therefore natural populations of non-target insects can recover quicker
- Residual effect over time after application to treated leaf surfaces, by the introduction of larvae of lacewing, ladybird, hoverfly, parasitic wasps, flies and adult ground/rove beetle.

Mavrik® is a registered trademark of the ADAMA group. Mavrik® contains 240g/L (22.0% w/w) tau-fluvalinate. Use plant protection products safely.

Always read the label and product information before use. For further product information, including warning phrases and symbols, refer to www.adama.com/uk or call The Technical Helpline on 01635 876 622.

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TECHNICAL BULLETIN

SPRING 2020



ADAMA

Mavrik® Tank Mixes

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	Defy	Headland Saxon	Lorate SX	Spinneraker
Anthem	Dow Shield 400	Herold	Movon#	Shogun
Atlantis WG + BioPower	Easel	Hurricane SC	Omaha 2	Stomp 400 SC
Belkar	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	

Fungicides

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

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.

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