



ADAMA

Mavrik®

Technical Bulletin April 2019

As winter oilseed rape crops begin to flower, growers and agronomists should monitor their crops 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

Water volume: 200L/ha

Spray quality: Medium

Aquatic buffer: 5m (or 1m 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 mixed with sclerotinia applications

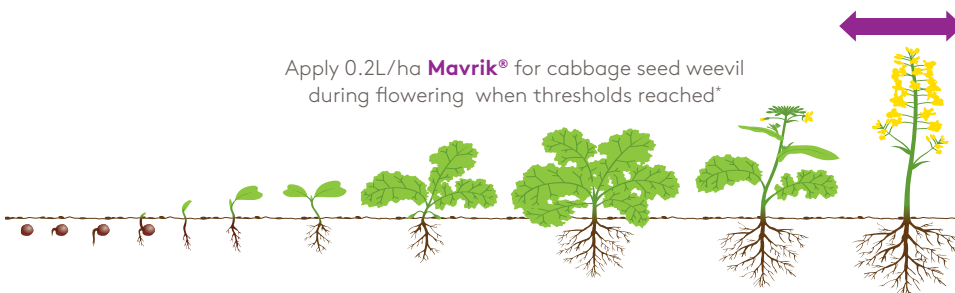
Crop Information

Crops/situations	Max individual dose (kg product / ha)	Max total dose (kg product / ha/year)	Latest time of application
Oilseed rape	0.2	0.4	Up to and including the end of flowering.

Stewardship

Bee safety; Mavrik is less acutely toxic to honey bees than other pyrethroids when applied in accordance to the label instructions. Mavrik should not be sprayed when bees are actively foraging; please refer to the CPA current best practice advice when applying insecticides.

Apply 0.2L/ha **Mavrik®** for cabbage seed weevil during flowering when thresholds reached*



Spring 2019

*ADAS thresholds are 0.5 weevils/plant in northern Britain, 1 weevil/plant elsewhere.

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

Fungicides

Agate	Cello	Firefly	Monkey	Sparticus Xpro
Alto Elite	Cerix	Folicur	Orius 20EW	Sunorg Pro
Amistar	Cherokee	Fortress	Orius P	Swing Gold
Apres	Corbel	Gemstone	Phoenix	Symetra
Arizona	Corinth	Helix	Plover	Talius
Artemis	Cortez	Highgate*	Priori Xtra	Tectura*
Aviator Xpro	Custodia	Imtrex	Proline	Toledo
Boogie Xpro	Deacon	Jaunt	Propulse	Unix
Bowman	Elatus Era	Jenton	Savannah	Variano Xpro
Bravo 500	Elatus Plus	Juventus	Seguris	
Bumper 250EC	Fandango	Kayak	Siltra Xpro	
Caramba	Filan	Kestrel	Skyway 285 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	Magnor	Opte Man DF	Stefes Regal Cereal Mix
Bittersaltz	Manganese	Opte Man Lightening	Stefes Regal Manganese N
Cuprolyt WP*	MaxiCrop Triple	Phosyn Liquid	Verdi-crop Copper DF
Headland Bushel	Max Man	Phosyn Mantrac 500	Verdi-crop Hu-man 15
Headland Jett	Nortrace Mensa	Phosyn Mantrac DF	Verdi-crop Manganese DF
Headland Liquid CuMan	Nortrace Phyte P Plus	Phosyn MnCu Flowable	Verdi-crop Magnesium N
Headland Stag	Opte Cu*	Quark	Verdi-crop Magnor
Headland Super 80	Opte Mag	Stefes Copper	Verdi-crop Phos Plus
Human Extra	Opte Man	Stefes Manic	Vytel Cu

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 mix backed. *Continuous agitation required.

Incompatible mixes

DO NOT tank mix with products containing Boron.