XenTari®

BIOLOGICAL INSECTICIDE

Bt

BRASSICAS

Resistance management rotation option

No re-entry Interval

No WHP, no residues

Safe to all beneficial insects

Stops feeding immediately

XenTari – Be Biorational

VALENT BIOSCIENCES

SUMITOMO CHEMICAL
AgroSolutions Division

Input for Organic Production
ACO CERT. NO. 10332

BIORATIONAL WINDOW

Bt

BRASSICAS

As a Biological Insecticide XenTari® not only presents as an ideal caterpillar control option but has a number of features specific to biological insecticides that make rational scientific and economic sense.

BIO	RATIONAL
No impact on beneficials	Additional pest control through natural predators
No Withholding Period	Spray up to harvest
No residues	More markets
No re-entry interval	Keeps workers working
No restriction on the number of sprays	Can be used for on-going spray programmes
Non-scheduled, non-poisonous	Operator safety
Organic	Opens new high value markets

- XenTari is highly effective against Diamondback Moth, Cabbage White Butterfly, Cabbage Centre Grub and Cabbage Cluster Caterpillar.
- Early season biorational window provides high efficacy against young instars and is safe to beneficials allowing natural predators to continue protecting crops.
- Mid season, the biorational window provides strong resistance management benefits while offering no re-entry interval for workers.
- Late season, XenTari can be used right up until harvest as it has no WHP and no residues.

The diamondback moth is the most destructive insect pest of brassica crops throughout the world. Reliance on chemicals as a control measure for the diamondback moth has resulted in the development of resistance to many insecticides. Diamondback moth populations have recently demonstrated tolerance to products introduced in only the last few years such as the Group 28 and group 6 MoA Group products. With no cross resistance to conventional chemical insecticides, XenTari is the perfect rotation partner to keep these products as useful tools for growers.

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BIORATIONAL WINDOW

Biorational Window Seasons

Preferred timing

EARLY SEASON ↓

SAFE TO BENEFICIALS

XenTari is safe to all beneficial insects. Applying early in the season not only allows natural predators to continue to assist in controlling pest populations, it also allows introduced predators such as the Diamondback moth parasitoid Diadegma to flourish.

STOPS FEEDING IMMEDIATELY

XenTari causes insects to stop feeding immediately meaning no further damage to crops. During the early season pest populations are in their early stages. Young instars are concentrated and relatively immobile which is when XenTari is especially effective.

RESISTANCE MANAGEMENT

Many recent chemistry introductions to the market, whilst offering good benefits, belong to the same mode of action group. Resistance management is all about rotating chemistries. XenTari offers a different mode of action and a great option in the spraying program.

MID SEASON ↓

ENVIRONMENTAL SAFETY

Sustainability is a key watchword for growers, shippers, and marketers of high quality produce. XenTari is highly specific and that translates into low-impact products. It has no re-entry interval, no WHP and are non-scheduled, non-poisonous product. As Australian Organic Registered Farm Input it can assist growers in opening new high value markets and is a perfect solution for sustainability-minded growers.

LATE SEASON

HARVEST MANAGEMENT

An entire season's worth of time and investment comes down to maintaining quality at harvest time. XenTari can be used right up until harvest providing growers with an effective tool at a critical stage of production and granting flexibility without sacrificing quality.

RESIDUE MANAGEMENT

XenTari provides a premier management tool for brassica growers. Exempt from residue tolerance, use of Bts for late season applications is a critical part of the production cycle whenever Maximum Residue Limits are an issue. XenTari provides effective control while helping growers and brokers avoid crop rejection problems with buyers.

Bt

BRASSICAS

Directions for Use

CROP	PEST	RATE	CRITICAL COMMENTS
Cole crops (Cabbage, cauliflower, broccoli, Brussels sprouts)	Cabbage moth (Diamondback moth) (*Plutella xylostella*) Cabbage white-butterfly (*Pieris rapae*) Cabbage-centre grub (*Hellula hydralis*) Cabbage cluster caterpillar (*Crocidolomia pavonana*)	50 g/100 L (minimum 500 g/ha) OR 500 or 750 g/ha	Apply at first sign of infestation but before crop damage occurs. Repeat as required or at regular intervals to ensure plants are adequately protected. Use the higher rate or shorter interval when conditions favour rapid development of cabbage moth. Add a non-ionic wetting agent. **IMPORTANT:** Crop monitoring and early attention to cabbage moth infestations after transplanting is highly recommended.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

Quality Formulations

XenTari comes from the company that has more experience with Bt insecticides than anyone else. This experience has led to continuous innovation in fermentation, formulation and application technology allowing the products to maintain their effectiveness in today's tough insect control environment.

The combination of experience and innovations means that the XenTari formulation is unequalled in terms of:

- Bioactivity
- Rainfastness
- Consistency of formulation
- Ease of application

Scan this QR code for more information about XenTari:

For further information contact:

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