

CheckMate® DBM-F

for Diamondback Moth (DBM)

Datasheet

Suterra®

Sprayable Pheromone Release Technology for Diamondback Moth Control

CheckMate® DBM-F for Diamondback Moth

CheckMate® DBM-F is a mating disruption product for the control of Diamondback Moth (DBM) in vegetable crops. It uses Suterra's proprietary micro-encapsulated formulation to provide longer life and improved flexibility for growers.

CheckMate® DBM-F is an easy-to-deploy product that releases the sex pheromone of the Diamondback Moth pest. This reduces the adult males' ability to find females, disrupting the mating cycle. This proven pheromone release can reduce or delay mating and egg laying, suppressing pest populations and ultimately decreasing damage.

It is tank-mixable with many common agrochemicals and can be used as an integral component of an IPM program. An effective partner with other pest control materials, this product may also assist growers in addressing insecticide resistance. The product is also significantly more worker-friendly than many common insecticide treatments, with minimal re-entry and pre-harvest intervals.

All of Suterra's CheckMate® products are harmless to other living organisms and beneficial insects.

Features & Benefits

- Easy-to-deploy liquid formulation
- Tank-mixable with common agrochemicals
- Compatible with all IPM techniques
- Does not harm beneficial insects
- Low worker exposure risk
- Minimal re-entry and pre-harvest interval

CheckMate® DBM-F Facts Table

Target pest	Diamondback Moth (<i>Plutella xylostella</i>)
Crop registrations	Broccoli, brussels sprouts, cabbage, cauliflower, watercress and other cruciferous crops
Monitoring	Use wing traps baited with DBM pheromone septa lures 1 trap per 20 acres; at least 2 traps per block Hang traps at the height of the crop early in the season before the pest appears Check traps weekly; replace lures every 4 weeks or at manufacturer's recommended interval Replace trap bottoms as needed to ensure stickiness In mating disruption fields, pheromone trap suppression indicates the degree of mating disruption
DBM Damage	Perform in-season damage assessments by looking for damaged crop in the field at the end of each DBM flight

For more information call: +1 541.388.3688 email: agsales@suterra.com visit: www.suterra.com



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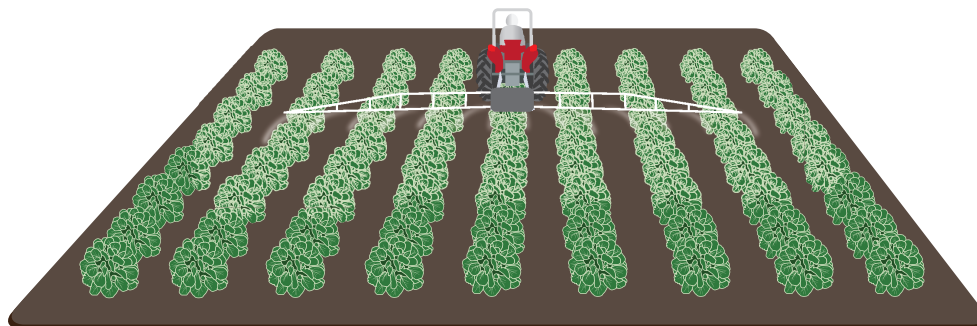
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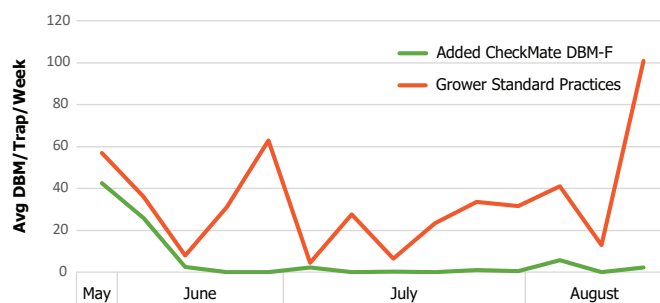
Application Overview

- Shake well before use
- Do not use peristaltic or gear pumps
- Minimize drift
- Use 50-mesh screens or coarser
- Reapply after significant rain



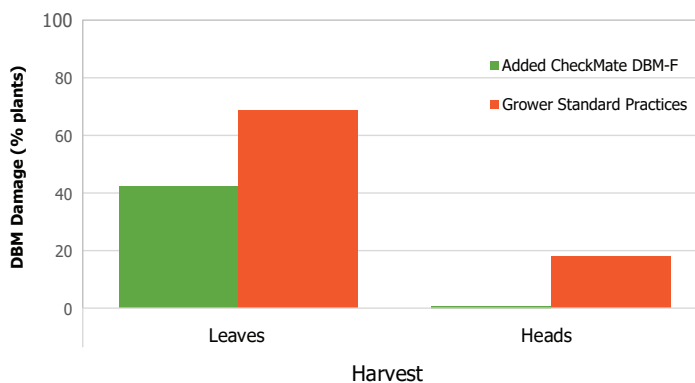
Diamondback Moth Trap Inhibition

CheckMate® DBM-F hindered the ability of males to find pheromone traps as compared to areas treated with grower standard practices.



Damage Reduction

The addition of CheckMate® DBM-F into the grower's standard practice resulted in a reduction of damage.



Diamondback Moth Identification

(*Plutella xylostella*)



Diamondback Moth damage to brussel sprouts



Diamondback Moth caterpillar



Diamondback Moth adult

The use of Mating Disruption tools should be part of an overall Integrated Pest Management (IPM) program. The use of other pest control measures may be necessary and should be based on proper pest monitoring and field scouting

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