

AMBLYTECH® M

Product Information

1. A Registered Product for the Control of Western flower thrips (*Frankliniella occidentalis*)

Product	AMBLYTECH® M
Active agent	Amblyseius montdorensis
Agent Type	Predatory mite
Product use	Western flower thrips (<i>Frankliniella occidentalis</i>)
Mode of Action	Adult and nymphal stages of the predatory mites actively search for and feed on their prey
Product company	Dudutech
Experimental Site	Florensis Ethiopia PLC on Verbena x hybrida
Experiment done by	Melkassa Agricultural Research Center
Registered date	October, 2020



Ref. No. 9/7/2038/2020
Date: October 26, 2020



2038

MINISTRY OF AGRICULTURE
Plant Health & Product Quality Control Directorate
Addis Ababa

Subject: Submission of report for the verification of predatory mite, AMBLYTECH® M

This is an official notification of the results of the candidate bio-control agent:
Trade Name: AMBLYTECH® M
Scientific Name: *Amblyseius montdorensis*
Formulation (cone. and type): Live predatory mites in vials with carrier

In which it is requested to develop a Local Efficacy Data through verification of the test product as per the agreement MOU No.88/2019.

In accordance with the results of greenhouse experiment extending for one season in 2020, AMBLYTECH® M effectively controlled Western flower thrips, (*Frankliniella occidentalis*) on Cutting, *Verbena x Hybrida* at the rate of 75 mites per square meter in the verification trial. Therefore it is recommended for the same purpose.

Attached herewith please find the results of the verification of AMBLYTECH® M.

With regards,

Diriba Geleli (PhD)
Deputy Director General

AMBLYTECH® M

2. Biology and Mode of Action

AMBLYTECH® M contains Amblyseius montdorensis predatory mites which feed on Thrips in their immature stages, and are also known to feed on Red Spider Mites.

A. **montdorensis** are generally small, pale and pear shaped with a body size of between 0.3 – 0.5mm long.

AMBLYTECH® M predatory mites actively hunt for and feed on their prey, including Thrips, whitefly, spider mites and hatching eggs, by crawling on affected plant leaves. The total life cycle from egg to adult is 7 days. Adult females lay single eggs onto leaf hairs strategically among Thrips populations, eggs develop in 1 – 2 days. The larvae emerge and develop into protonymphs then deutonymphs which are also predatory, feeding on immature Thrips.

3. Application Method

Gently sprinkle AMBLYTECH® M onto the crop. Hold the container in a horizontal position and rotate it carefully to evenly mix the predators with the carrier material. Sprinkle the entire contents of the container on to the crop foliage.

4. Rate of Application

RATE SCHEDULED	Dosage per m2	Interval (days)	Frequency	PHI & REI
Preventative	25	14	As required	0
Light Curative	50	7	3	
Heavy Curative	75	5 - 7	5	

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5. BEST PRACTICE ADVICE

- Use AMBLYTECH® M to manage pest populations preventatively by targeting pests early in the season.
- Use immediately upon receipt.
- Micro-humidity should be above 60% and temperature during the day should be around 21°C.
- This predatory mite cannot be used to manage Thrips where temperature is below 10°C, it can however maintain activity at temperatures of up to 40°C.
- Avoid overhead irrigation for at least 24 hours after application.
- Avoid using incompatible pesticides with this product.
- Before introducing **AMBLYTECH® M** to your crop it is important that the plant is clean of negative chemical residues.

6. STORAGE AND PACKAGING

Storage temp.	15-18°C
Conditions	Dark and dry
Max storage time	1-2 days
Do not freeze. Store upright in original unopened container.	

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Packaging

Predatory mites as packed	
Quantity	Pack Size
25,000	1000ml
150,000 Bulk Pack	5000ml



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