



# Swirskiline

## FUNDAMENTAL THRIPS AND WHITEFLY CONTROL



### INTRODUCING BIOLINE AGROSCIENCES' SWIRSKILINE — EFFECTIVE MULTIPLE THRIP AND WHITEFLY SPECIES PREVENTION AND CONTROL IN VEGETABLES, FRUITS AND FLOWERS.

*Amblyseius (Typhlodromips) swirskii* is a predatory mite that breeds extremely quickly under warm and humid environmental conditions. It predares on whiteflies, thrips and other pests. In the absence of prey it can also survive on the plant by feeding on pollen or mould. Swirskii prefers a warm humid climate, but can survive cooler nights during the winter months in semi-protected crops by moving lower down the plants where it benefits from the warmer micro-climate closer to the ground.

This mite is available in a Gemini and hooked sachets, which allows easy and quick introductions into the crop. The mites will emerge onto the crop looking for prey.

#### WHY TRY SWIRSKILINE?

- Predates on whiteflies, Thrips and other pests.
- For protected crops grown at >20°C.
- Release sachet for easy application.
- *Amblyseius swirskii* breed extremely quickly under warm, humid conditions. They will also survive in cooler night temperatures and through winter months in semi-protected crops.
- In the absence of prey, it can feed on pollen, allowing it to survive longer in the crop.

#### WHICH CROPS DOES SWIRSKILINE

##### PROTECT?

- Peppers
- Cucumbers
- Gerbera
- Aubergine
- Roses

#### WHICH PESTS DOES

##### SWIRSKILINE CONTROL?

- Western Flower thrips
- Chili thrips
- Onion thrips
- Greenhouse whitefly
- Silverleaf/Potato whitefly

### GET TO KNOW SWIRSKII...

1

*Amblyseius swirskii* is native to the coastal regions of the Middle East and North Africa on fruit trees.


2

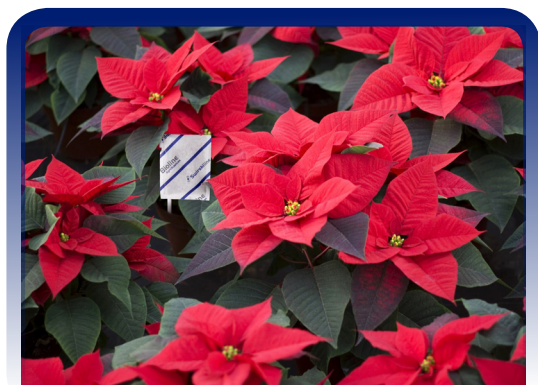
Swirskiline is an ideal product to be used in crops that are grown under protection in warm conditions.

3

It can be used on other crops during the summer, provided that average daytime temperatures exceed 20°C.

**Swirskiline** — Fundamental thrips and whitefly control.

	DESCRIPTION	PRODUCT CODE
	500 Gemini PRO Sachets (125,000)	P0015-01
	500 Gemini QUICK Sachets (125,000)	P0015-01Q
	5 litre bag (125,000)	P0015-02
	1 litre tube (25,000)	P0015-03
	1000 Gemini PRO Sachets (25,000)	P0015-04
	500 CRS PRO Sachets (125,000)	P0015-05
	500 CRS QUICK Sachets (125,000)	P0015-05Q
	Bugline 6x100m (250,000)	P0015-07
	1,000 Mini Sachets (125,000)	P0015-31
	1,000 Mini Sachets (250,000)	P0015-33
	200 Mini Sachets (50,000)	P0015-34
	500 Sachet on a Stick (62,500)	P0015-50



## HOW AND WHERE TO USE

**Introduce Swirskiline early in the crop/pest cycle to protect against pest build up, but only when average temperatures are above 20°C.**

### For CRS, Gemini or Mini Sachet:

1. Do not hang adjacent to heating pipes.
2. Do not hang sachets where they will be directly exposed to intense sunlight.
3. Open the shipping box of sachets in the crop.
4. Separate sachets by tearing along perforations.

### For Sachets on a Stick:

1. Open shipping box of sachets within the crop.
2. Separate sachets by tearing along perforations.
3. Stick one sachet into each propagation tray, pot or shuttle tray.
4. Place sachet stick into the plug tray or pot/rockwool cube and have sachet sit approximately 1/8" above the growing media.

### For Bugline:

1. Distribution of the strips can be done by attaching to the irrigation boom and pulling strips from the box down the greenhouse bay or manually by pulling it into the crop.
2. Make sure the crop and floor are dry when applied. If crop and/or floor are wet, water can enter Bugline through the holes, and could result in some predatory mites within the cells being lost.
3. Do not use adjacent to heating pipes.

### For Bulk Bags & Tubes:

1. Keep containers horizontal and cool until use.
2. Do not expose to direct sunlight at any time.
3. Immediately before opening, gently rotate the container to distribute mites evenly throughout the carrier material.

## STORAGE AND HANDLING

1. KEEP OUT OF DIRECT SUNLIGHT.
2. TRANSPORT AND STORE ABOVE 10-15°C.
3. USE WITHIN 18 HOURS OF RECEIPT.
4. DO NOT COLD STORE BELOW 10°C



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