

Effective prevention and control of multiple thrips and whitefly species in vegetables, fruits and flowers.



WHICH CROPS DOES SWIRSKILINE PROTECT?

Strawberries
Gerberas
Poinsettias
Roses
Cucumbers
Peppers
Aubergines

WHICH PESTS DOES SWIRSKILINE CONTROL?

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

Swirskiline

Why use Swirskiline?

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.



- Predates on whiteflies, thrips and other pests.
- For protected crops grown at > 20°C.
- Easy application.
- *Amblyseius swirskii* breed extremely quickly under warm, humid conditions.
- In the absence of prey, it can feed on pollen, allowing it to survive longer in the crop.

AVAILABLE DELIVERY SYSTEMS



Swirskiline is available in a wide of range of release systems:

Sachets release a breeding colony of mites onto the plant, even before the target pest is present. The breeding colony is contained within a small paper sachet, which is carefully designed to maintain the colony in good condition. Mites continue to emerge from sachets over several weeks and in much higher numbers than with a single broadcast release. In addition to our original **CRS sachets**, **Swirskiline** is available in several other sachets:

- **Gemini sachets** consist of two sachets that can be stood similar to a hinge. This enable the breeding colony to be water-resistant so it can be used in outdoor crops and overhead irrigation
- **Mini sachets** are best used where the leaves of plants are not expected to touch or grow together. Mini sachets provide a high number of release points to ensure good spread and establishment of mites.
- Propagation is one of the most critical times for pest management.
Sachets-on-a-stick are ideal for effective pest prevention and control at this time.

The **Bugline delivery system** is a unique, patented delivery system for controlled release of particular species of Bioline biological control agents. Specially designed to reduce labour costs, the **Swirskiline** bugline is suited for crops that are grown in beds, rows or on a growing table.

For a fast call to action from *Amblyseius Swirskii* —Loose material in **bulk bags and tubes** provide an immediate dose of mites, offering immediate protection.

HOW TO USE

For CRS, Gemini or Mini Sachets :

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

For Sachets on a stick :

- Open shipping box of sachets within the crop.
- Separate sachets by tearing along perforations.
- Stick one sachet into each propagation tray, pot or shuttle tray.
- Place sachet stick into the plug tray or pot/rockwool cube.

For Bulk bags & Tubes :

- Keep containers horizontal and cool until use.
- Immediately before opening, gently rotate the container to distribute mites evenly throughout the carrier material.
- Open each container in the crop when ready to use.
- Shake small quantities of Swirskiline onto crop near flowers.

HANDLING & STORAGE

- Keep out of direct sunlight.
- Transport and store at 6-10°C.
- Use within 18 hours of receipt.

