



## INTRODUCING BIOLINE AGROSCIENCES' **PHYTOLINE** THE KEY SOLUTION TO FIGHTING SPIDER MITES IN MULTIPLE CROPS.

Phytoline contains the predatory mite *Phytoseiulus persimilis*. This well known predator will eat large numbers of the two-spotted mite, *Tetranychus urticae*. It is a standard treatment in many crops, particularly tomatoes, cucumbers, strawberries and ornamentals. Although the mites are very mobile and active, it's best to distribute them as uniformly as possible onto the infested plants. When tackling hot-spot, applying small quantities of mites on many leaves is more effective than all mites on just a few leaves. *Phytoseiulus* is most effective when released to control low numbers of spider mites.

Phytoline is available in a range of pack sizes including; 500ml shaker bottle, 30ml Vial hot-spot pack (that comes with a flip-top cap for dosing specific areas of crop), 125ml bottle formulations (ideal for mite application machinery) and in a vermiculite carrier or sawdust for use in ornamentals.

### WHY TRY **PHYTOLINE**?

- Recommended for spider mite control on a wide range of crops.
- Controls spider-mite resistant to acaricides.
- Vermiculite carrier moistened for optimal condition.
- Transparent containers allow for observation of the mites for Quality Control.

### WHICH CROPS DOES

#### **PHYTOLINE** PROTECT?

- Tomatoes
- Cucumbers
- Strawberries
- Ornamentals
- Peppers
- Aubergines
- Cannabis

### WHICH PESTS DOES

#### **PHYTOLINE** CONTROL?

- Two-spotted spider mite (*Tetranychus urticae*)

## GET TO KNOW PHYTOLINE...

**1**

This predator is effective at a wide range of temperatures. Phytoline can be used outdoors as well. The adults and young stages feed voraciously on adults and eggs of the two-spotted spider mite and populations of *Phytoseiulus* increase dramatically at 20° C.


**2**

It is important to start control measures as mites emerge from diapause in the spring, and to ensure elimination of the pest in autumn before the pest mites go into diapause.

**3**

Be aware that temperatures over 30°C will result in the spider mite growth rate overtaking that of the *Phytoseiulus*.

# Phytoline — The specialist predator of the two-spotted spider mite.

	DESCRIPTION	PRODUCT CODE
	Predatory mites in vermiculite 500 ml bottle/ red vented cap.	P1201-01 (unit size: 2,000)
	Predatory mites in vermiculite 30 ml vial/ flip cap.	P1201-02 (unit size: 2,000)
	Predatory mites in vermiculite 250 ml bottle/ red vented cap.	P1201-03 (unit size: 2,000)
	Predatory mites in sawdust 250 ml bottle/red vented cap.	P1201-06 (unit size: 2,000)
	Predatory mites in vermiculite 125ml bottle/ Flip cap.	P1201-14 (unit size:1,000)
	Predatory mites in vermiculite 125 ml bottle/ Flip cap.	P1201-15 (unit size:1,500)
	Predatory mites in vermiculite 500 ml bottle.	P1201-16 (unit size: 10,000)
	Predatory mites in vermiculite 125 ml bottle/ Flip card - Spain.	P1201-17 (unit size:50,000)
	Predatory mites in vermiculite 125 ml bottle/ Flip cap.	P1201-20 (unit size: 2,000)



## PHYTOLINE IN ACTION



### STORAGE AND HANDLING

1. KEEP OUT OF DIRECT SUNLIGHT.
2. TRANSPORT AND STORE AT 5-10° C.
3. USE WITHIN 18 HOURS OF RECEIPT.
4. DO NOT INTRODUCE MATERIAL IN DIRECT SUN LIGHT.
5. BE CAREFUL FOR CONDENSATION (CAUSED BY TEMPERATURE DIFFERENCE) IN THE BOTTLES / VIALS.

### HOW TO USE

#### General Guides:

1. Immediately before opening, tap base of the bottle sharply on a solid surface to dislodge mites from inner surface, and gently roll bottle to distribute them evenly throughout carrier material.
2. Apply mites repeatedly by inverting the bottle over leaves occupied by spider mites.
3. Each inversion delivers a measured amount of vermiculite.
4. Tap and roll bottle before re-opening it.
5. Leave empty bottle open on infected plants to allow any remaining predators to escape.

#### 500ml bottle for large areas:

1. Distribute the product over leaves, gently shaking and rotating bottle to give uniform distribution. Vigorous shaking will kill mites.
2. Repeat release and increase the rate in established spider mite colonies until control is achieved.

#### Instructions for use - Vial (for hot spot treatment):

1. Use higher recommended rate range.
2. Open each vial when ready to use in the greenhouse.
3. Leave empty bottle open on infected plants to allow any remaining predators to escape.

