

**NEW**

# A truly innovative mating disruption pheromone to control the box tree caterpillar



## Box T Pro Press®

syngenta®

### Description

Box T Pro Press® is an innovative bio-control mating disruption system for managing box tree caterpillar (*Cydalima perspectalis*).

The easy-to-use product contains a unique highly concentrated female pheromone that inhibits the ability of male moths to find a female for mating. As a result, egg laying is reduced and the subsequent number of defoliating caterpillars significantly decreased.

Box T Pro has proven to be highly successful in reducing damage to box trees in trials across Europe and the UK.

It is an approved and registered professional plant protection product, for use by qualified operators only.



Defoliations caused by *Cydalima (Diaphania) perspectalis*

### Key benefits

#### Long lasting... High performance diffusion

The microencapsulated formulation of pheromone, vegetable oil and natural wax allows for a **controlled release of the pheromone for 3 months.**

This means **less maintenance and better protection of box trees.**



#### Easy to use and store

Box T Pro Press is supplied in pouches and applied using the dedicated Phero pump applicator.

The pheromone is precision applied in a 1.5 cm dose on the trunk or the nook of the branches making it **very safe and practical to apply.**

Box T Pro Press can be stored for up to 2 years at room temperature when unopened.

## Set up & Use

### Components of the application device



### Application method

To apply, press the trigger of the hand dispenser.

A short pressure on the trigger will deliver a standard dose the size of a small coin. A few hours after application, the water contained in the product will evaporate, leaving a thin, scarcely-visible layer of wax.

## Method

### Precision application

The Box T Pro Press application decision tree determines how best to apply the product depending on the situation. Always refer to the product label before use.

Ornamental box trees can have different forms: ball, pyramid, hedges etc. The amount and placement of pheromone needs to be adapted depending on the shape.

### The leaf volume

The recommended pheromone application will also consider the dimensions of box tree hedges to protect, including height, width and length. These elements must be considered for optimal results with Box T Pro Press.

Application of Box T Pro press typically takes around 45 minutes per pouch, providing 250 diffusion points.

## Applications

### Mating disruption

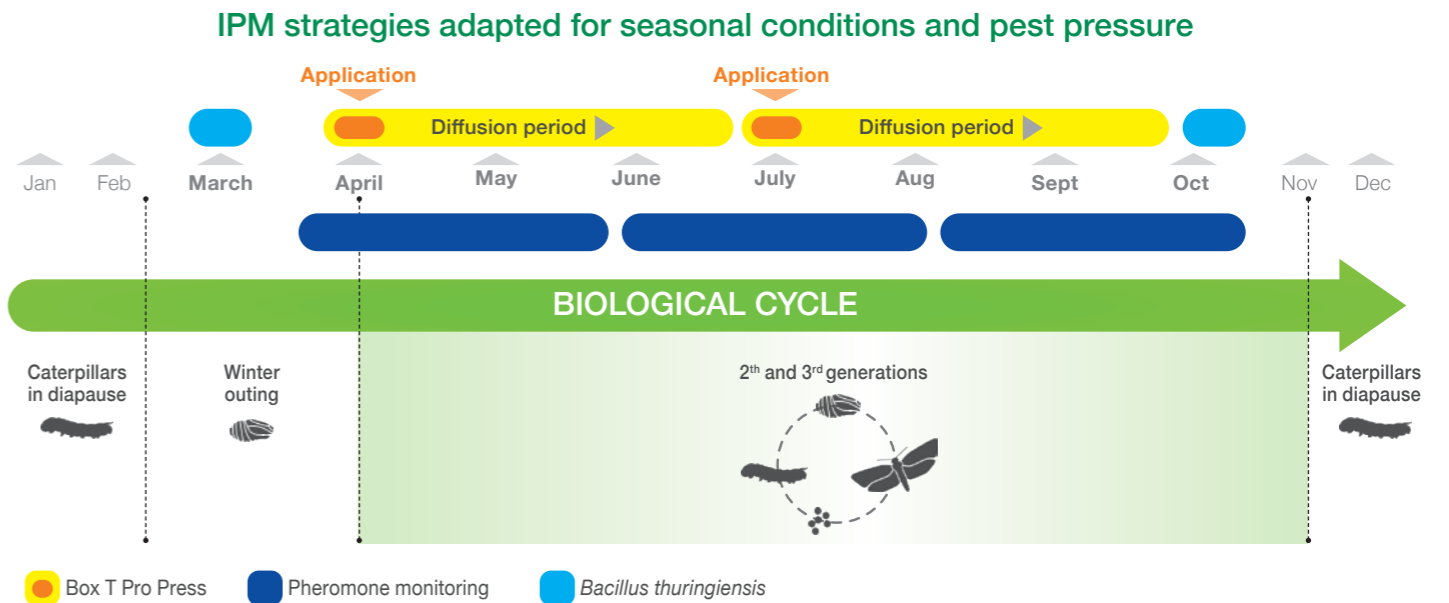
Box T Pro Press sexual confusion pheromone acts to disrupt communication between males and females and limit their mating from first flights. It should be positioned before the emergence of adult moths in spring and through the season.

Climatic conditions influence the biology of the pest. Depending on the region, the moths emerge early early May to the end of June. The timing of Box T Pro Press use will have to be adapted accordingly.

### Integrated control strategies

Box T Pro Press is an important part of integrated pest management (IPM) strategies. Pest monitoring and application of a suitably approved insecticide product, such as *Bacillus thuringiensis* var *kurstaki*, early in the season or when required is recommended to optimise control. Adverse environmental conditions and/or high initial populations of females may result in some mating still taking place.

Use pheromone monitoring through the season to determine the presence of pests and application timing.



### Box T Pro Press application decision tree

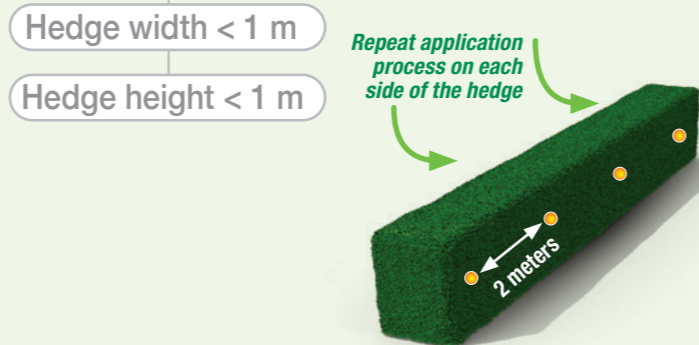
#### Individual box tree



#### Recommendations

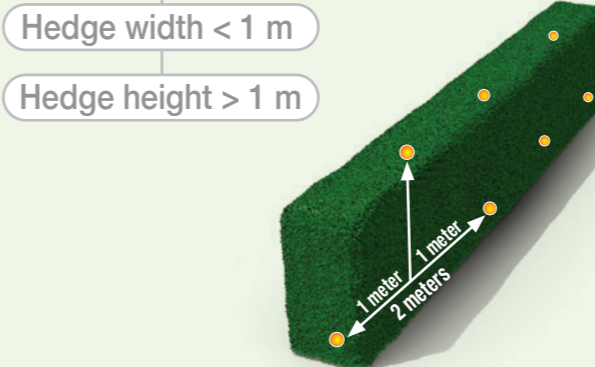
- Apply at least 2 diffusion points per box tree - distributed as evenly as possible, inside the foliage
- Use two doses per meter

#### Box tree border



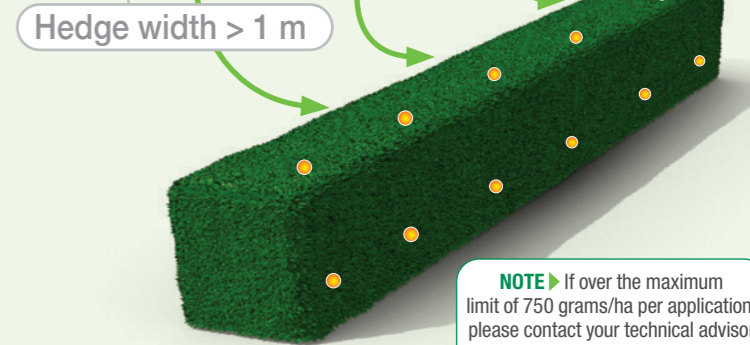
#### Recommendations

- One dose every 2 meters
- Apply inside the foliage at half the hedge height



#### Recommendations

- One dose every 2 meters
- Apply inside the foliage towards the top and bottom of the hedge, with doses alternated in a V shape



#### Recommendations

- One dose every 2 meters
- Apply inside the foliage towards the top and bottom of the hedge, with doses alternated in a V shape
- Repeat the application process on each side of the hedge

**NOTE** If over the maximum limit of 750 grams/ha per application, please contact your technical advisor for information on how best to apply the product.

Please refer to the product label before use. Follow the guidelines of the decision-making tool available on



## How to use



Apply to dry plants, ensure no irrigation or rainfall expected within 24 hours.



During handling and application, please wear protective gloves (refer to safety data sheet).



For use only with the Phero pump: a reusable applicator with compressed air.



**Danger - H411**  
Toxic to aquatic life with long lasting effects.

## Post application

**End of application**

Press the valve to release pressure

✓ Store part used sachets in a refrigerator.  
✓ Do not freeze.

## Box T Pro Press product overview

Active substance	Formulation	Number of applications
70 g/kg of (Z)-11-hexadecenal (7%p/p)	Capsule suspension	2 per annum between mid April and mid July, with 60-80 days between applications
Packaging	Diffusion	Storage
One sachet contains 250 grams applied with an air compressed pump (Phero pump) Limited to 750 gram per Ha	3 months	<b>Unopened:</b> up to 2 years at room temperature (15°C - 25°C) in a dry, well ventilated place, preferably a pesticide store. Do not freeze  <b>Once opened:</b> usable until next application (3 months), store in refrigerated conditions (4°C - 8°C)

 **Box T Pro Press**<sup>®</sup>

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For more information, our enquiry hotline number is 0800 1696058, emergency number is 01484 538444 or email our technical consultant: [customer.services@syngenta.com](mailto:customer.services@syngenta.com)

Keep out of the reach of children. Keep away from pets. Keep away from food and drink. Store in its original packaging and respect the uses, doses, conditions and precautions for use mentioned. Collect spillage. DO not release to the environment. Do not freeze. Wear protective gloves and glasses. Do not pollute water with product or its packaging. Do not clean application equipment near surface water. Do not eat, drink or smoke while using. Wash hands after handling. Use only outdoors or in a well ventilated area. Dispose of emptied and rinsed packaging in accordance with current legislation. In case of contact with eyes, rinse with water as a precaution. If on skin, wash off with plenty of water. If swallowed, do not induce vomiting, rinse mouth and consult a doctor.

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