**Drosophila suzukii** or the spotted wing drosophila is native to South-East Asia and has invaded many countries in America, Asia and Europe. This species is part of the EPPO A2 list as a recommendation to be included amongst the species that are in phytosanitary quarantine. Unlike other vinegar flies that feed on rotten fruit, *D. Suzukii* attacks the early fruit during its ripening stage. It mainly attacks soft red summer fruits or fruits with reddish tones, such as strawberries, cherries, blueberries, raspberries, plums, peaches, nectarines, apricots, grapes, etc.

**MORPHOLOGY AND BIOLOGY**

The spotted wing drosophila is a small fly (2 to 3.5 mm) yellow-brown in colour with transverse black rings across the abdomen and protruding brick-red eyes. The males have a dark spot near to the edge of each wing, which gives the species its common name. The larvae are white and cylindrical, reaching 3.5mm in length.

The life cycle of *D. Suzukii* varies a lot because it has a very long flight period with many generations, up to 13. In this way, the generations at the beginning of the year are renewed every few weeks and the end of the season can last up to 10 months in cold areas given that they go through winter in a pupal stage.

Each female can lay eggs in many fruits, with a laying capacity of more than 350 eggs in their life cycle.

The adults emerge from hibernation when the temperatures reach approximately 10 °C. After copulation, the fertilised female goes in search of rotten fruit, she inserts her serrated ovipositor to perforate the skin of the fruit and deposits 1 to 3 eggs. Each female can lay eggs in many fruits, with a laying capacity of more than 350 eggs in their life cycle.

**ECONEX DROSOPHILA SUZUKII LIQUID ATTRACTANT**

**ECONEX BOTTLE TRAP DS**

**SOLUTIONS OVERVIEW**

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<th>CODE</th>
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<td>ECONEX DROSOPHILA SUZUKII LIQUID ATTRACTANT</td>
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<td>Liquid food attractant for the attraction of both sexes of the species Drosophila suzukii.</td>
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<td>TA268</td>
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**PRODUCTS MADE IN SPAIN**

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The trap includes a wire hanger to suspend it from a branch or on any other support. The trap is used in combination with ECONEX DROSOPHILA SUZUKII LIQUID ATTRACTANT to capture Drosophila suzukii.

**RECOMMENDED USE (INSTRUCTIONS):** Fill the bottle of attractant with water up to the indicated level on the label. The bottle accumulates pressure inside it which may be released when the liquid attractant bottle is filled with water causing a slight effervescence. After that, take the red bottle cap of ECONEX BOTTLE TRAP DS off and pour the content of the ECONEX DROSOPHILA SUZUKII LIQUID ATTRACTANT (after diluting it with water) into the trap. Then, close the bottle cap again, and hang the trap from a branch on the sunny side of the tree or on a specific support at a height of 1.5 to 2 m.

**FACTORS THAT INFLUENCE IN THE NUMBER OF TRAPS REQUIRED**

The pest population, the bordering crops, the level of control required, etc. Another important factor is the distance between plots that have Drosophila suzukii. In these cases, the boundaries of the plots should be reinforced, increasing the number of traps per ha.

**NECESSARY MATERIAL**

An ECONEX BOTTLE TRAP DS and a bottle of ECONEX DROSOPHILA SUZUKII LIQUID ATTRACTANT. ECONEX BOTTLE TRAP DS is a disposable trap in the form of a closed bottle with a capacity of 1 liter. Made of PET, with 4 transverse holes with inserts of red polypropylene with frustocornical shape. These inserts facilitate the entry of the target insects, both by chromotropic attraction and by their funnel shape, additionally preventing their exit.

**ECONEX BOTTLE TRAP DS**

**PRODUCT STORAGE**

The product must be stored in its original packaging without opening it in a cool and dry place. Try to avoid sunlight. In these conditions, it will last for 12 months from the production date.

**DAMAGES**

D. suzukii places its eggs beneath the skin of mature fruits or in process of maturation, of which a larva is born and feeds on the pulp, producing loss of turgor in fruits and taking away their commercial value. The attacks made by plagues on fruit crops cause substantial economic loss when they are not controlled. Furthermore, the corresponding holes where the eggs were laid favour secondary infections from pathogens that contribute to the increasing losses.

**CROPS AND APPLICATIONS:** Red and soft summer fruits, such as strawberries, cherries, blueberries, raspberries, blackberries, plums, peaches, nectarines, apricots, grapes, etc.