

Exirel® 10SE - Exirel® Bait 10SE: Two New Insecticides Against *Prays oleae* (olive moth) Pyrinotritis and Olive Fruit Fly (*Bactocera oleae*), of Olive Tree
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The innovative insecticides Exirel® 10SE & Exirel® Bait 10SE, from FMC Hellas, are now a new and reliable solution for dealing with olive moth (*Prays oleae*) and olive fruit fly (*Bactocera oleae*), two very important entomological enemies of olive cultivation. For the first time, FMC introduces a new chemical group, (diamides), to the market to combat olive moth (*Prays oleae*) and olive fruit fly (*Bactocera oleae*). The active ingredient of the products, Cyantraniliprole®, demonstrates a new and unique mode of action, targeting the insect's muscular system with the uncontrolled release of calcium. Because of this, muscle paralysis of the insect occurs, with immediate consequences of the cessation of feeding and therefore damage, dysfunction of movement and most importantly, inability of reproductive capacity - oviposition and therefore entomological attack. Ultimately, after a few days, the enemy is killed. The insecticides Exirel® 10SE & Exirel® Bait 10SE, having a specially designed form, (Milky Suspension - SE), have a strong, locally systemic action, combating adults and larvae of the olive moth (*Prays oleae*) and olive fruit fly (*Bactocera oleae*). The insecticide Exirel® 10SE has received final marketing approval, among others for the olive moth (*Prays oleae*), while its exceptional approval for cover sprays for the olive fruit fly (*Bactocera oleae*) is also expected. The dose in the cover spray for the olive fruit fly is 50 - 75 mL. Exirel® 10SE and for the olive moth 25 - 30 mL., per 100 liters of spray solution. It is recommended to combine with 150 mL. Codacide® (rapeseed vegetable oil - acts as a surfactant/adhesive) per 100 liters of spray solution. The insecticide Exirel® Bait 10SE has received final marketing approval in bait sprays for the olive fruit fly (*Bactocera oleae*). The dose in the bait spray is 7.5 mL./ha. Exirel® Bait 10SE, in combination with approved attractants, (ENTOMELA 75 SL, ENTOMELA 50 SL or Dacus Bait 100). The last pre-harvest intervention in bait spraying (PHI) is 7 days, while in foliar spraying 14. As for the active substance, (Cyantraniliprole®) there are established MRLs for residues in Europe, the U.S. and other countries, in olive oil and olive fruit, because of which there is no issue with the exportable quantities. The MRLs in the EU and the U.S. are 3 ppm. In conclusion, the innovative technology of the insecticides Exirel® 10SE & Exirel® Bait 10SE, functions as a useful and dynamic "tool" for the Greek producer, offering effective solutions, increasing the quantity and improving the quality of the olive production, thus ensuring his income.

Keywords: Olive moth; olive fruit fly; insecticides; insecticide Exirel® Bait 10SE; ENTOMELA