

In the fruit garden in May

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For **apple trees**, two sprayings are usually carried out in May, targeting scab, powdery mildew, the codling moth, the San Jose scale, leafminer moths, mites, and aphids. To combat diseases, one of the following **fungicides** is used: Stroby DF – 0.02%, Flint Max WG – 0.02%, Score 250 EC – 0.02%, Silit 40SC – 0.16%, Sistan Super 24EC – 0.16%, K – 0.0075%, Stroby DF/Discus DF/ – 0.02%, Horus 50WG – 0.03%, Shavit F 71.5 WP – 0.2%, Shavit F 72WDG – 0.2%, Ardent 50SC – 0.02%, Bolero 12 EC – 0.06%, Luna Experience – 20-75 ml/daa or **fungicide mixtures**: Stroby DF -0.02% + Delan 700WDG – 0.035%, Delan 700WDG - 0.035% + Bayfidan 250 EC – 0.015%, Dithane M-45 – 0.3% + Bayfidan 250 EC – 0.015%.

To combat the codling moth, one of the following **insecticides** is added to the fungicide solution: Affirm 095SG - 0.3%, Vaztak New 100EC – 0.0125%, Voliam Targo 063SC – 75 ml/daa, Decis 2.5EC – 0.03%, Dikline 2.5EC – 0.03%, Deca EC – 0.03%, Dursban 4E – 0.2%, Nexid 015CS – 0.03%,

Sumi Alpha 5EC – 0.02%, Karate Zeon 5CS – 0.02%, Karate Express WG – 60-100 g/daa, Calypso 480SC – 0.02%, Coragen 20SC - 0.016%, Reldan 40EC – 0.12%, Pirinex 48EC – 0.12%, Supersect Mega – 0.015%, Efcymetrin 10EC - 0.03%, Cyclone 10EC – 30 ml/daa, Cyperfor 100EC – 30 ml/daa, Sherpa 100EC – 0.03%. Vaztak New 100EC – 0.0125%, Dursban 4E – 0.2%, Karate Express WG – 60-100 g/daa, Nexid 015CS – 0.03%, Sumi Alpha 5EC – 0.02%, Supersect Mega – 0.015%, Cyclone 10EC – 30 ml/daa, Efcymetrin 10EC - 0.03%, Cyperfor 100EC – 30 ml/daa, Sherpa 100EC – 0.03% are also effective against the **leafminer moth**. For combating the **San Jose scale**, Bi-58 0.2%, Dursban 4E – 0.15%, and Pirinex 48EC – 0.15% are registered.

Against the codling moth, Dimilin 25WP – 0.04% can also be used, which is applied during mass flight and more precisely before egg hatching.

For **pear trees** during this period, sprayings are directed against scab, leaf spots/white and brown/, the common pear psyllid, the codling moth, the pear fruit moth, and the oriental fruit moth. Against diseases, Dithane M-45 – 0.3% or Luna Experience – 20-75 ml/daa is used. Against the **common pear psyllid**, one of the following insecticides is added to the fungicide solution: Vaztak New 100 EC - 0.02%, Decis 2.5 EC- 0.03%., Sumi Alpha 5EC/Sumicidin 5EC – 0.03%, Karate Express WG – 100-140 g/daa, Sineis 480SC – 20- 37.5 ml/daa. To protect pear fruits from worm infestation, one of the insecticides listed for combating the codling moth is used.

Quince trees are sprayed against brown rot and fruit worms. To combat brown rot, Horus 50WP – 0.03%, or Luna Experience – 20-75 ml/daa is used, and against fruit worms, one of the insecticides indicated for combating the codling moth.

At the end of May in most fruit-growing regions, under favorable conditions for the development of **fire blight**, symptoms of this bacterial disease appear en masse. It causes serious damage to pear, quince, and apple trees. To limit the damage, pruning is carried out to remove infected branches and shoots (cutting 30-40 cm below the site of infection), after which the wounds are sealed with grafting paint + copper-containing preparations such as Bordeaux mixture, Funguran OH 50WP, Champion WP. Pruning tools are disinfected after each cut with burning alcohol or bleach diluted with water in a 1:10 ratio. In addition to pruning, to protect trees from infection, sprayings with Bordeaux mixture – 1%, Funguran OH 50WP – 0.3%, or Champion WP – 0.3% are carried out. Under conditions favorable for disease development – susceptible varieties, cold and wet weather, as well as the presence of infection from the previous year, preventive sprayings are carried out at intervals of 5-7 days.