

Plant protection practices in vineyards in August

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During this period, the vines are in the phenophase “veraison” to “berry ripening”.

Main pests for the period

Downy mildew of grapevine *Plasmopara viticola*

Powdery mildew *Oidium tuckeri*

Grey mould *Botrytis cinerea*

European grapevine moth *Lobesia botrana*

Yellow grapevine mite *Schizotetranychus viticola***European grapevine moth**

In August, until the second half of September, the flight of butterflies of the third generation of the pest continues. The larvae of this generation damage the ripening and already ripe berries of the grapes, binding them with silk threads. As a result of the damage, conditions are created for the penetration of the causal agent of grey mould.

Strategy for pest control:

Treat at **EPV**: for table grape varieties *7-8 larvae per 100 grape clusters*, and for wine grape varieties *10-12 larvae per 100 grape clusters*.

Authorised plant protection products:

aficar 100 EC – 40 ml/ha; daskor 440 - 50 ml/ha; decis 100 EC - 12.5-17.5 ml/ha; dipel 2 X - 0.1%; dukat 25 EC - 70 ml/ha; efcimetrin 10 EC/cyper 10 - 40 ml/ha; karate zeon 5 CS – 0.02%; coragen 20 SC - 18 ml/ha; luzindo 40 WG - 0.025 kg/ha; mageos - 10 g/ha; maltoato - 40-60 ml/ha; neksid 015 CS - 0.03%; nurelle D /hlorsirin 550 EC /sanmba - 60 ml/ha; raner 240 SC - 0.04%; rapax - 75-100 ml/ha; reldan 40 EC - 0.12%; sineis 480 SC - 4-18 ml/ha; sumi alpha 5 EC/sumicidin 5 EC - 0.025%; forey 48 B - 0.15%; fury 10 EC - 0.0125%; ciklon 10 EC - 40 ml/ha; ciperfor 100 EC - 40 ml/ha; citrin max /ciperkil 500 EC /cipert 500 EC /poli 500 EC - 6 ml/ha; sherpa 100 EW /aficar 100 /ciperfor 100 EW /ciklon 100 EW - 25 ml/ha; sherpa 100 EC - 40 ml/ha.

Yellow grapevine mite

In August, overlapping populations of several generations are observed. In case of severe infestation, the leaf blades of the vines are deformed, become rough and crunch when crushed. Temperatures above 32-35°C are lethal for the mite populations. During the first half of September, the females move under the old bark of the grapevine plants in order to overwinter.

Strategy for pest control:

Treatment is carried out against adults and larvae when the **EPV** is reached - 9-10 *individuals/leaf* - *until the end of August*.

Authorised plant protection products:

apolo 50 SC - 30-40 ml/ha; envidor 240 SC - 40 ml/ha; masai WP - 25 g/ha; nisoran 5 EC - 0.05%; ortus 5 SC /danitron 5 SC - 0.05%; sanmite 20 WP - 0.05%.