

Manna on the vine (*Plasmopara viticola*)

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Depending on the age of the leaves, downy mildew forms two types of spots: oily and mosaic. On their lower side a white sporulating coating is formed. Under severe attack the leaves dry out and fall prematurely. Under favourable conditions (relative air humidity above 75%) chlorotic spots appear on the inflorescences and clusters, on which a white sporulating coating is also formed. When the spots are at the base of the cluster, the whole bunch dries out. Infection of the berries ceases when, for wine grape varieties, they reach the size of a „pea, and for table grape varieties the size of a „bean”.

Strategy for pest control:

Treatment is carried out when favourable conditions for infection occur (air temperature above 13°C and frequent but light rainfall) and during the sensitive phenological stage of the vine „flowering” - „pea.

Authorised plant protection products:

acrobate r – 0.25%; acrobate plus wg – 200 g/ha; axanit-cu wp – 0.25%; alial 80 wg - 75-330 g/ha; alfil wg - 0.075-0.33 kg/ha; alfil wp - 0.075-0.33 kg/ha; alfil duplo - 90-350 g/ha; amalin flo - 280 ml/ha; anthracol 70 wg – 0.15%; armetil m – 0.25%; armetil-s wp – 0.25%; banko 500 – 0.2%; bordeaux mix 20 wp – 0.5-0.6%; valbon - 180-200 / ha; verita wg – 0.2%; winker wg – 200 g/ha; vitene triplo r - 400 -450 g/ha; vitra 50 wp /cuprohy 50 wp – 0.15%; galben 8 m 65 – 0.25%; delan 700 wdg – 0.05%; dimix 500 sc - 34 ml/ha applied in tank mixture with products containing folpet; dimix 500 sc - 30 ml/ha applied in tank mixture with products containing mancozeb; ditan dg - 200 g/ha; ditan m-45 - 200 g/ha; drago 76 wp – 0.16%; enervin – 0.2%; cabrio top – 0.15%- treatment interval 7-10 days - 0.2% every 10-14 days; katanga express - 75-330 g/ha; katanga man - 300-500 g/100 l water; corseit r df – 0.25%; corseit r wp – 0.25% until 09.2017; corseit max wp – 0.15%; cuadris 25 sc – 0.075%; cupertine m – 0.3%; cuproxat fl / tribase flowable – 0.3% until 06.2017; cuproset gold m – 0.15%; cuprocin super m – 0.2%; lieto - 40-45 g/ha; mancozeb 80 wp – 0.3%; manfil 80 wp - 200 g/ha; manfil 75 wg - 210 g/ha; medeiro 80 wg- 75-330 g/ha; copper oxychloride 50 wp – 0.25%; medyan extra 350 sc - 350 ml/ha; melody compact 49 wg - 150 -175 g/ha until 06.2017; mical flash – 0.3%; mildicut - 350-450 ml/ha; moximat 505 wg - 240-300 g/ha; moximat 505 wp - 240 – 300 g/ha; momentum extra wg - 300 g/ha; pasodoble 70 wg - 200 g/ha; pencozeb 80 wp - 200 g/ha; pencozeb 75 wg - 210 g/ha; pergado copper 27 wg - 500 g/ha; pergado f 45 wg – 0.2%; profiler 71.1 wg- 200-225 g/ha; ridomil gold mz 68 wg – 0.25%; rumba 35 sc – 0.35%; sancozeb 80 wp - 200 g/ha; sinstar - 70-80 ml/ha; solofol - 188 g/ha; strobilurin df /discus df - 0.015 %+acrobate mz - 0.15 %; sphinx extra /vinostar - 180 g/ha; folder 80 wg - 150 g/ha; follow 80 wg/ friller 80 wg/ flowet 80 wg - 187.5 g/ha; folpan 80 wdg - 0.15 % - 0.1 %+ardent 50 sc - 0.015 %; funguran oh 50 wp – 0.15%; shavit f 72 wdg – 0.2%; champion wp/ makk 50 wp /champ wp – 0.155.