

Green and yellow list of plant protection measures for grapes (vinification) 2006

	Green List of preferred options			Yellow List: Options with restrictions	
	1	2	3	4	5
	Preventive measures	Monitoring: Justification of direct Measures (Threshold)	„Green“ direct control measures	“Yellow” direct control measures with restrictions	Indications and restrictions
General Aspects	Green cover, alternating mowing, hedges to enhance antagonists; low nitrogen input	Renew suscription of official phytosanitary bulletin (forecasting service)			
Grape moths		operate pheromone traps where not mating disruption (15 moths/trap/week)	Mating disruption	B. thuringiensis + 1% sugar; or IGR 1 or IGR 2	1x one week after start of 2nd flight if > 15 moths/trap/week or 1x 1 week after start 2 nd flight 1x at beginning of 2nd flight
Spider mites	release/protect predatory mites, alternating mowing; low nitrogen	check 50 leaves in stage 11-13. > 70% of leaves occupied	Predatory mites	Acaricides 1,2 or 3	1x if over 70% leaves occupied at stage 13
Acariosis	release/protect predatory mites, alternating mowing	check lateral shoots in August for symptoms and decide on spring treatment	Predatory mites	Wettable Sulfur 2% Acaricide 3	1x at Stage 03 -05, only prophylaxis possible 1x Stages 05 - 09, only prophylaxis possible
Green grape leafhopper	green cover in summer, alternating mowing, hedges with roses +bramble	operate yellow sticky traps in June-July. 5 larvae per leaf or 300 – 500* /trap/week (*where parasitoids)	Egg parasitoid <i>Anagrus</i>	IGR 3	when more than 500/trap/week
				Insecticide 1	when more than 300/week/trap 1st generation in highly sensitive varieties only
Downy mildew	tolerant varieties & clones low nitrogen input	first treatment according to forecast	Fungicides 1 or 2 prebloom Fungicides 3 or 4 postbloom	Fungicide 5 Fungicide 6 postbloom Fungicide 7	maximum 3 treatments max. 2 treatments (max. 3kg Cu/ha/year) maximum 2 treatments
Powdery mildew		first treatment according to forecast	Fungicides 9 or 10 prebloom Fungicides 11 or 12 postbloom	Fungicides 13 or 14	maximum 3 treatments of strobilurines maximum 3 treatments of SSH
Botrytis cinerea	tolerant varieties & clones; defoliation/ventilation of grape zone; low nitrogen, grape moth control	restrict 2 treatments to stage 77 and 81	Utilise effect of downy mildew fungicides 3 or 4	Botryticides 1 or 2 or 3 Botryticide 4	maximum 1 treatment maximum 1 treatment
Phomopsis	remove infested prunings	First treatment at stage 03-05 if infested		Wettable Sulfur 2% Fungicides 15, 16	1x stage 03 - 05 maximum 2 treatments stage 05 - 13