Section VII Insecticide Residues, Regulations, Application and Related Problems

METHIOCARB RESIDUES IN GRAPES AND WINE

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The insecticide methiccarb (Mesurol, 3,5-dimethyl-4-(methylthio) phenyl methylcarbamate) has been found effective as a bird repellent on grapes in Oregon. Studies were undertaken to determine the residues of this compound in grapes and their fate during vinification using a gas chromatographic method. Total residues (methiccarb and its oxidative metabolites) in Pinot noir and White Riesling grapes treated 4 times at 4.5 kg/ha ai and harvested 1 day after last application ranged from 6.1 ppm to 58 ppm depending on the method of application. A substantial portion of the methiccarb residues was lost during the vinification process as shown in the following table:

sample	Residue, ppm	
	Pinot noir	White Riesling
grapes	22	38
must or juice	10	15
pomace	28	40
wine websul adult	7.4	4.8