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INTRODUCTION

The anilinopyrimidines (APs) are a group of fungicides highly active against a broad range of fungi. Commercialised APs include cyprodinil, pyrimethanil and mepanipyrim. The mode of action includes inhibition of methionine biosynthesis and secretion of hydrolytic enzymes. APs show no cross-resistance with other fungicide groups.

Update following the latest FRAC-AP meeting held on December 11th, 2003:

The current sensitivity status of *Botrytis* in vines and *Venturia* in apple was discussed.

Botrytis:

An extensive sensitivity monitoring was not possible in 2003 due to the exceptionally low disease pressure in European and Australian vineyards. Based on available data, the frequency of less-sensitive isolates remains low.

AP-Products, applied following the FRAC-AP guidelines, continue to show very good performance in the field, after more than 10 years of commercial use.

Nevertheless, evidence from previous field and laboratory trials has shown that there is a medium resistance risk of *Botrytis* to APs. Therefore, it is important to adhere strictly to the AP working group guidelines for AP use against *Botrytis*.

Venturia:

In 2003, AP-containing products continued to show good performance in the field in commercial practice.

Monitoring tests indicate that resistant isolates can be found in the field at low frequency. The field performance of spray programmes at these locations was not affected.

Evidence from previous field and laboratory trials has shown that there is a medium resistance risk of *Venturia* to APs. Therefore, it is important to adhere strictly to the FRAC-AP guidelines for AP use against *Venturia*.

General Guidelines

Guidelines for the use of AP containing products

The purpose of the use guidelines for AP-containing products is to maintain the sensitivity in the target pathogens and to prevent crop losses due to the emergence of resistant pathogen populations.

No loss of field performance of AP products due to resistance has been observed in commercial situations.

The guidelines were reviewed during the meeting on December 11th, 2003.

Botrytis Guidelines

Where two treatments are made per season, the number of applications of AP-containing products is limited to one.

In situations where up to six *Botrytis* treatments are made per crop and season, a maximum of two applications with anilinopyrimidine-containing products are recommended.

In specific situations where seven or more *Botrytis* treatments are required per crop and season, a maximum of three applications with anilinopyrimidine containing products is recommended.

Where different AP-containing products are used in one season, the cumulative number of applications with cyprodinil, pyrimethanil or mepanipyrim-containing products may not exceed the above maxima.

For specific crops and products, follow use recommendations of individual companies.

Venturia Guidelines

Against *Venturia*, AP solo products can be used to a maximum of four times per season.

Where spray programmes include AP-containing mixtures, the maximum is five treatments with AP-containing products per season. The mixture partner must be an effective scab fungicide.

Where different AP-containing products are used in one season, the cumulative number of applications with cyprodinil, pyrimethanil or mepanipyrim-containing products may not exceed the above maxima.

Individual products should always be used at recommended dose rates and during the period when they are most effective.

Curative use only in conjunction with reliable scab warning systems.

Contact

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