

5.26 THIAMETHOXAM (245)

RESIDUE AND ANALYTICAL ASPECTS

Thiamethoxam was evaluated as a new compound in 2010. Thiamethoxam residue data for a use on passion fruit have been provided in 2011 to support an MRL on passion fruit.

The Meeting received descriptions of the thiamethoxam analytical methods used for analysis of passion fruit samples from the trials.

The analytical methods used in the supervised trials relied on LC-MS-MS and achieved LOQs of 0.01 and 0.02 mg/kg for thiamethoxam. Metabolite CGA 322704 (*N*-(2-chlorothiazol-5-ylmethyl)-*N'*-methyl-*N''*-nitroguanidine) was not analysed with these methods.

The Meeting has not received labels or information on the registered uses of thiamethoxam on passion fruit.

The Meeting received information on supervised field trials for thiamethoxam foliar use on passion fruit in Kenya. Samples were analysed for thiamethoxam, but not for metabolite CGA 322704.

Thiamethoxam was applied at 0.1 kg ai/ha in three supervised trials in 2005 and two from 2007. The residue data from the trials in 2007 were not accepted as valid because of the aberrant procedural recoveries (> 120%) of the analytical method.

The application conditions were based on the requirement of appropriate control of diseases of passion fruit, but they were not supported by label or official declaration of approved use. Therefore, the Meeting could not estimate a maximum residue level for thiamethoxam in passion fruit.

