



Evaluation Report for Category B, Subcategory 5.0 Application

Application Number: 2007-7651
Application: B.5.0 (New MRL for previously assessed TGAI)
Product: Deltamethrin Technical Insecticide
Registration Number: 18092
Active ingredients (a.i.): Deltamethrin (DBR)
PMRA Document Number: 1797465

Purpose of Application

The purpose of this application is to establish MRLs on imported olives and olive oil from Europe (mainly Italy, Spain and Portugal).

Chemistry, Environmental and Value Assessments

Chemistry, environmental and value assessments were not required on this application.

Health Assessments

To support the establishment of MRLs on imported olives and olive oil, field trials in five European countries conducted over several growing seasons were reviewed. Following the review of all available data, an MRL of 1.0 ppm for deltamethrin in/on olives is being proposed. Residues of deltamethrin in/on imported olives at the recommended MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Maximum Residue Limit(s)

Based on the maximum residues observed in olives treated according to European label directions, the maximum residue limit (MRL) to cover residues of deltamethrin at 1.0 ppm in/on olives will be established as shown in Table 1.

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Residues (ppm)		Experimental Processing Factor (olive oil)	Currently Established MRL	Recommended MRL (ppm)
			Min	Max			
Olives	Broadcast applications/ 52.8 to 60	2 to 7	0.04	0.54	1.6	None	1.0

Conclusions

Following the review of all available data, an MRL of 1.0 ppm for olives is recommended to cover residues of deltamethrin. Residues of deltamethrin at the recommended MRL will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

References

PMRA Document Number	Reference
1490824	2000, Data generation and enforcement method for residues on plant material by GC Deltamethrin, Endosulfan Code: AE F032640, AE F002671, DACO: 7.2.2
1490825	1998, Analytical method and validation for the determination of residues of endosulfan and deltamethrin by GC Deltamethrin, endosulfan Code: AE F032640 and AE F002671, DACO: 7.2.1,7.2.4
1490827	2004, Modification M003 to the analytical method 00855 for the determination of residues of deltamethrin (AE F032640) in /on olive and rape by GC/MSD and in/on brussels sprout, rape and sugar beet by GC-MS/MS, DACO: 7.2.1,7.2.5
1490830	2006, Determination of the residues of deltamethrin in/on olive after spraying of AE F032640 00 EW01 B1 (015 EW) in the field in Southern France , Greece and Spain, DACO: 7.4.1
1490831	1999, Decline of residues in olives European Union (Southern zone) 1998 Deltamethrin emulsifiable granule (EG) 6.25 % w/w Code: AE F032640 00 EG06 A106, DACO: 7.4.1,7.4.2
1490832	2001, Decline of residues in olives European Union southern zone 2000 deltamethrin emulsifiable concentrate (EC) 2.81 % w/w (25 g/L) Code: AE F032640 00 EC03 B007; AE F032640 00 EC03 B005, DACO: 7.4.1,7.4.2
1490842	2000, Residues at harvest in olives and processed fractions. European Union, Southern zone 1997 Deltamthrin, AE F032640 emulsifiable granule 6.25 % w/W Code: AE F032640 00 EG06 A105, DACO: 7.4.1,7.4.5
1490861	2001, Independent Laboratory Validation for the Determination of Residues of Deltamethrin in Lettuce, Oranges, Milk and Fat and Endosulfan in Lettuce and Oranges Using Method DGM F01/97-1, DACO: 7.2.3

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