



**Australian Government**

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**Australian Pesticides and  
Veterinary Medicines Authority**



## **Fenitrothion uses – summary of assessment outcomes in final regulatory decision**

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## Impact of the final regulatory decision on fenitrothion uses

This document outlines the impact of the fenitrothion final regulatory decision including:

- The fenitrothion use patterns supported and not supported (Table 1).
- The use pattern and label variations (if applicable) for individual fenitrothion chemical products (Table 2).

The supported uses are highlighted in Table 1.

**Table 1: Fenitrothion use patterns supported or not supported in the final regulatory decision**

Crop/host	Pest	Proposed decision	Final decision
<b>Post-harvest uses</b>			
Stored cereal grains	Stored grain pests (various).	Supported pending trade considerations.	Supported.
Grain storage facilities and equipment (e.g. silos, storage bins)	Stored grain pests (various).	Not supported – safety (worker health and safety concerns).	Not supported – safety (worker health and safety concerns).
Surface treatment: bulk stored cereal grain, stacks of bags etc.	Stored grain pests (various).	Not supported – safety (worker health and safety concerns).	Not supported – safety (worker health and safety concerns).
Broiler poultry house: litter, walls, roof and feed sheds	Lesser mealworm (also known as litter beetle, darkling beetle).	Not supported – safety (worker health and safety concerns).	Not supported – safety (worker health and safety concerns).
<b>Fruit and vegetable uses</b>			
Apples, cherries, grapes, cabbages, lettuce, soybean and tomato	Australian plague locust, spur-throated locust, migratory locust, small plague grasshopper and wingless grasshopper.	Not supported – safety (environment and residues) and trade concerns.	Not supported – safety (environment and residues) and trade concerns.
<b>Cereal crop, pasture and forage uses</b>			
Cereals (excluding corn, maize and rice) and grazing sorghum	Australian plague locust, spur-throated locust, migratory locust and wingless grasshopper.	<b>Not supported – safety (environment) concerns.</b>	<b><i>EC formulation only.</i></b> <b>Supported with application rate, timing and daily work rate restrictions, closed mixing and loading, spray drift buffer zones and removal of some crops.</b>

Crop/host	Pest	Proposed decision	Final decision
Cereals, pasture and forage crops	Australian plague locust, spur-throated locust, migratory locust, yellow-winged locust, small plague grasshopper and wingless grasshopper.	Not supported – safety (environment) concerns.	Not supported – safety (environment) and spray drift concerns.
Lucerne	Sitona weevil, Australian plague locust, spur-throated locust, migratory locust, small plague grasshopper and wingless grasshopper.	Not supported – safety (environment) concerns.	Not supported – safety (environment) concerns.
Pastures	Pasture cockchafer, corbie, winter corbie, oxycanus grub, underground grass grub.	Not supported – safety (environment and residues) and trade concerns  Closed mixing/loading required to mitigate worker health and safety concerns.	Not supported – safety (environment and residues) and trade concerns  Closed mixing/loading required to mitigate worker health and safety concerns.

The impact on currently registered products is shown in Table 2.

**Table 2: Impact of the fenitrothion final regulatory decision on currently registered products**

Product number	Formulation	Uses supported	Uses not supported	Proposed impact on product
46127	Fenitrothion 1,000 g/L EC	Stored grain.	Grain storage facilities.	Vary label to remove uses in grain storage facilities and vary environment, disposal and trade advice statements.
50774	Fenitrothion 1,230 g/L ULV	None.	Field uses on locusts and grasshoppers.	<b>Cancellation – no remaining use patterns.</b>
50775	Fenitrothion 1,000 g/L EC	Stored grain.	Grain storage facilities and poultry houses; pasture and horticultural uses, most field uses.	Vary label to remove uses in grain storage facilities, poultry houses and most field crops. Vary environment, disposal and trade advice statements. Vary remaining field use to include application rate, timing and daily work rate restrictions, spray drift buffer zones and closed mixing and loading requirements.

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Product number	Formulation	Uses supported	Uses not supported	Proposed impact on product
56170	Fenitrothion 1,000 g/L EC	Stored grain.	Stored grain tank mix to treat grain borer; grain storage facilities and poultry houses; pasture and horticultural uses, most field uses.	Vary label to remove uses in grain storage facilities and poultry houses and most field crops. Vary environment, disposal and trade advice statements. Vary remaining field use to include application rate, timing and daily work rate restrictions, spray drift buffer zones and closed mixing and loading requirements.
66520	S-methoprene 60 g/L; fenitrothion 600 g/L EC	Stored grain.	NA	Vary label to amend environment, disposal and trade advice statements.
67186	Fenitrothion 1,000 g/L EC	Stored grain.	Grain storage facilities and poultry houses; pasture and horticultural uses, most field uses.	Vary label to remove uses in grain storage facilities, poultry houses and most field crops. Vary environment, disposal and trade advice statements. Vary remaining field use to include application rate, timing and daily work rate restrictions, spray drift buffer zones and closed mixing and loading requirements.
67567	S-methoprene 60 g/L; fenitrothion 600 g/L EC	Stored grain.	NA	Vary label to amend environment, disposal and trade advice statements.
91551	S-methoprene 60 g/L; fenitrothion 600 g/L EC	Stored grain.	NA	Vary label to amend environment, disposal and trade advice statements.