



**Australian Government**  
**Australian Pesticides and  
Veterinary Medicines Authority**



# **Chlorpyrifos uses - summary of assessment outcomes in proposed regulatory decision**

December 2023

## Chlorpyrifos uses – summary of assessment outcomes in proposed regulatory decision

Supported uses are highlighted in the following table.

Crop/host	Pest	Assessment outcome
<b>Fruit and vegetables uses</b>		
Apples	Apple dimpling bug, light brown apple moth, mealybug, Queensland fruit fly, San Jose' scale, wingless grasshopper, woolly aphid	Not supported
Avocado	Apple moth, avocado leafroller, fiorinia scale, hairy caterpillar, ivy leafroller, latania scale, light brown red shouldered leaf beetle, Queensland fruit fly	Not supported
Banana	Banana flower thrips, banana scab moth, banana weevil borer, caterpillars, cluster caterpillars, lepidopterous caterpillars	Not supported
Banana	Banana rust thrips, banana scab moth ( <i>banana bag</i> ), sugarcane bud moth	<b>Supported</b>
Beetroot	Cutworm, earwigs, vegetable weevil, wingless grasshopper	Not supported
Beetroot, carrots, radish, shallots, turnips, onions	Cutworms, earwigs, false wireworms, field crickets, harvester ants, mole crickets ( <i>seed dressing</i> )	Not supported
Cabbage	African black beetle	Not supported
Capsicum	Cutworm, vegetable weevil, wingless grasshopper	Not supported
Carrots	Cutworm, light brown apple moth, vegetable weevil, wingless grasshopper	Not supported
Cassava	Cutworm	Not supported
Cauliflower	African black beetle	Not supported
Chard (silver beet)	Blue oat mite, cutworm, redlegged earth mite, wingless grasshopper, vegetable weevil	Not supported
Citrus fruits	Ants, California red scale (citrus red scale), citrus leaf eating weevil, citrus mealy bug, citrus rust thrips, fruit eating weevil, fullers rose weevil, purple scale, Queensland fruit fly, white louse scale, wingless grasshopper	Not supported
Cole (brassica) crops (including broccoli, brussels sprouts, cabbage, cauliflower)	African black beetle, blue oat mite, cabbage aphid, cabbage butterflies, cabbage moth, cluster caterpillar, cutworm, <i>Helicoverpa</i> spp (including corn earworm, native budworm), red earth mite, vegetable weevil, wingless grasshopper	Not supported
Cucurbit vegetables or cucurbits	Ants, cutworm, mealybugs, vegetable weevil, white flies, wingless grasshopper	Not supported

Crop/host	Pest	Assessment outcome
Custard apple	Ants	Not supported
Eggplant	Cutworm, vegetable weevil, wingless grasshopper	Not supported
Ginger	African black beetle, cutworm	Not supported
Grapes (grape vines)	Grapevine moth, grapevine scale, light brown apple moth, mealybug, tuber mealybug	Not supported
Green beans, peas	Cutworm, vegetable weevil, white flies, wingless grasshopper	Not supported
Kiwifruit	Common and southern armyworms, light brown apple moth, scale insects	Not supported
Leafy crucifers including chou moullier, kale, mustard, rape	Blue oat mite, redlegged earth mite, vegetable weevil	Not supported
Lettuce	Blue oat mite, cutworm, redlegged earth mite, vegetable weevil, wingless grasshopper	Not supported
Loquats	Queensland fruit fly	Not supported
Mango	Common mango scale, green tree ant	Not supported
Onions, shallots	Cutworm, vegetable weevil, wingless grasshopper	Not supported
Parsnip	Vegetable weevil	Not supported
Passionfruit	Queensland fruit fly	Not supported
Pears	Apple dimpling bug, light brown apple moth, mealybug, Queensland fruit fly, San Jose' scale, wingless grasshopper, woolly aphid	Not supported
Pineapples	Ants, pineapple mealybug, pineapple scale, white grubs	Not supported
Pome fruits	Queensland fruit fly, wingless grasshopper	Not supported
Potatoes	African black beetle, cutworm, vegetable weevil, white fringed weevil, wingless grasshopper, wireworm	Not supported
Radishes, sweet potato, turnips	Cutworm, vegetable weevil, wingless grasshopper	Not supported
Stalk and stem vegetables (including asparagus, celery and rhubarb)	Cutworm, vegetable weevil, wingless grasshopper	Not supported
Stone fruits	European earwig, light brown apple moth, Queensland fruit fly, San Jose' scale	Not supported
Strawberry	Field cricket, mole cricket ( <i>bait</i> )	Not supported
Swede, turnip	Blue oat mite, redlegged earth mite, vegetable weevil	Not supported

Crop/host	Pest	Assessment outcome
Tomatoes	Cutworm, false wireworm, green peach aphid, green vegetable bug, <i>Helicoverpa</i> spp. (including tomato grub, native budworm), silverleaf whitefly, vegetable weevil, whitefly, wingless grasshopper, wireworm	Not supported
Vegetables (various)	Field cricket, mole cricket ( <i>bait</i> )	Not supported
<b>Field crops and pasture uses</b>		
Barley, wheat	Blue oat mite, bryobia mite, lucerne flea, pasture looper, pasture redlegged earth mite (including synthetic pyrethroid resistant biotypes), webworm	Not supported
Broad beans and chickpeas	Blue oat mite, redlegged earth mite	Not supported
Canola (rapeseed)	Balaustium mite, blue oat mite, bryobia mite, cutworms, pasture webworm, false wireworm, lucerne flea, pasture looper, redlegged earth mite (including synthetic pyrethroid resistant biotypes), vegetable weevil, wingless grasshopper, wireworms	Not supported
Cereals	Australian plague locust, black soil scarab, blackheaded pasture cockchafer, blue oat mite, cereal curculio, common armyworm, cutworm, false wireworms, locust, lucerne flea, migratory spur throated locust, pasture webworm, redlegged earth mite, seed harvesting ants, southern armyworm, spine-tailed weevil, spotted vegetable weevil, wheat root scarab, wingless grasshopper, wireworms	Not supported
Clover, subterranean clover	Blue oat mite, bryobia mite, lucerne flea, pasture looper, pasture webworm, redlegged earth mite (including synthetic pyrethroid resistant biotypes)	Not supported
Clover seed crops	Blue oat mite, redlegged earth mite	Not supported
Coffee beans (non-bearing)	Mealybugs	Not supported
Cotton	Blue oat mite, common armyworm, cotton aphid, cotton flea beetle, cutworm, mites, false wireworm, migratory locusts, pink spotted bollworm moth, red shouldered leaf beetle, redlegged earth mite, southern armyworm, springtails, spur throated locusts, sugarcane wireworm, wingless grasshopper, wireworm	Not supported
Cotton, lucerne, maize, sorghum, sunflower	Brown field cricket, cockroaches, earwigs, false wireworms ( <i>bait</i> )	Not supported
Field peas, lupins	Blue oat mite, brown pasture, looper, lucerne flea, pasture webworm, redlegged earth mite (including synthetic pyrethroid resistant biotypes)	Not supported
Hops	Common armyworm, light brown apple moth, southern armyworm	Not supported
Improved annual pastures, established perennial pastures	Blue oat mite, redlegged earth mite	Not supported

Crop/host	Pest	Assessment outcome
Lucerne	Blue oat mite, bluegreen aphid, bryobia mite, cutworms, lucerne flea, lucerne leafroller, pasture looper, pasture webworm, pea aphid, redlegged earth mite (including synthetic pyrethroid resistant biotypes), sitona weevil, spotted alfalfa aphid, webspinner caterpillar	Not supported
Lucerne pastures	Blue oat mite, redlegged earth mite	Not supported
Lucerne seed crops	Bluegreen aphid, lucerne flea, lucerne leafroller, pea aphid, sitona weevil, spotted alfalfa aphid, webspinner caterpillar	Not supported
Medics	Bluegreen aphid, pea aphid, sitona weevil, spotted alfalfa aphid	Not supported
Maize	African black beetle, false wireworm, sugarcane wireworm, wireworm	Not supported
Oats, rye, triticale	Blue oat mite, redlegged earth mite	Not supported
Oilseeds	Blue oat mite, cutworms, false wireworms, redlegged earth mite, wingless grasshopper	Not supported
Pasture and forage crops	Armyworm, Australian plague locust, blackheaded pasture cockchafer, blue oat mite, blue-green aphid, brown pasture looper, corbie, cutworms, lawn armyworm, lucerne flea, migratory locust, pasture webworm, pea aphid, redlegged earth mite, sitonia weevil, sod webworm, spotted alfalfa aphid, spur throated locust, underground grass grub, wingless grasshopper, winter corbie	Not supported
Pulses (cowpea, chickpea, mung bean, pigeon pea navy bean, and soybean)	Brown field cricket, cockroaches, false wireworms, wireworms	Not supported
Rice	Bloodworm, brown plant hopper	Not supported
Safflower	False wireworm, wireworm	Not supported
Sorghum (excluding Sugar Drip or Alpha Sorghum)	Armyworms, Australian plague locust, corn aphid, cutworm, false wireworm, migratory locust, sorghum midge, spur throated locust, wireworm	Not supported
Sugarcane	African black beetle, Australian plague locust, beetle, common armyworm, migratory locust, southern armyworm, spur throated locust, sugarcane wireworm, symphylids	Not supported
Sunflower	False wireworm, wireworm	Not supported
Tobacco	Cutworm, false wireworm, wireworm	Not supported
<b>Veterinary uses</b>		
Ear tags of beef cattle	Buffalo flies ( <i>Haematobia irritans exigua</i> ), Cattle lice ( <i>Bovicola bovis</i> , <i>Haematopinus eurysternus</i> , <i>Linognathus vituli</i> , <i>Solenoptes capillatus</i> )	<b>Supported</b>

Crop/host	Pest	Assessment outcome
<b>Miscellaneous uses</b>		
Agricultural, commercial and industrial areas (not publicly accessible)	Ants (including Argentine ants), fleas	<b>Supported</b>
Agricultural, commercial and industrial areas (not publicly accessible)	Cockroaches, silverfish, spiders	Not supported
Chemical soil barrier around buildings (not publicly accessible)	Termites	Not supported
Chemical soil barrier around poles	Termites	Not supported
Container plants in soil or other growing media (commercial)	Argentine ants	<b>Supported</b>
Commercial and industrial areas (not publicly accessible)	Argentine ants	Not supported
Duboisia	Cutworms	Not supported
Grapevine rootlings	African black beetle	Not supported
Hides/skins	Hide beetles	<b>Supported</b>
Macrocarpa hedges	Dimpling bug	Not supported
Ornamental nursery plants	Argentine scarab, black vine weevil, fiddler beetle, opaline cockchafer, pruinose scarab, sciarid fly, shore fly	Not supported
Outdoor areas (not publicly accessible)	Ants, Argentine Ants	Not supported
Polluted water impoundments	Mosquito larvae	Not supported
Potted ornamentals (commercial)	Scarab beetles – larvae	<b>Supported</b>
Tasmanian blue gum	African black beetle	Not supported
Treatment of termite nest or colony (in wall cavities)	Termites	<b>Supported</b>
Treatment of termite nest or colony (outdoor)	Termites	Not supported
Turf (commercial)	African black beetle, Argentine stem weevil, blackheaded pasture cockchafer, brown pasture looper, crickets, funnel ant, lawn armyworm, pasture webworm, sod webworm, underground grass grub, winter corbie	Not supported

Crop/host	Pest	Assessment outcome
Turf (commercial)	Funnel ant (spot spray)	<b>Supported</b>
Vegetation (light to medium, not publicly accessible)	Mosquito adults and larvae	Not supported