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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 |
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| Fruit and vegetables uses |
| 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 (*banana bag*), sugarcane bud moth | **Supported** |
| 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 (*seed dressing*) | 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, *Helicoverpa* 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 |
| 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 (*bait*) | Not supported |
| Swede, turnip | Blue oat mite, redlegged earth mite, vegetable weevil | Not supported |
| Tomatoes | Cutworm, false wireworm, green peach aphid, green vegetable bug, *Helicoverpa* spp. (including tomato grub, native budworm), silverleaf whitefly, vegetable weevil, whitefly,wingless grasshopper, wireworm | Not supported |
| Vegetables (various) | Field cricket, mole cricket (*bait*) | Not supported |
| Field crops and pasture uses |
| 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 (*bait*) | 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 |
| 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 |
| Veterinary uses |
| Ear tags of beef cattle | Buffalo flies (*Haematobia irritans exigua*), Cattle lice (*Bovicola bovis*, *Haematopinus eurysternus*, *Linognathus vituli*, *Solenoptes capillatus*) | **Supported** |
| Miscellaneous uses |
| Agricultural, commercial and industrial areas (not publicly accessible) | Ants (including Argentine ants), fleas | **Supported** |
| 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 | **Supported** |
| 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 | **Supported** |
| 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 | **Supported** |
| Tasmanian blue gum | African black beetle | Not supported |
| Treatment of termite nest or colony (in wall cavities) | Termites | **Supported** |
| 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 |
| Turf (commercial) | Funnel ant (spot spray) | **Supported** |
| Vegetation (light to medium, not publicly accessible) | Mosquito adults and larvae | Not supported |