

Grade de LMR (limite máximo de resíduos) - MRL grid (maximum residue limit)

ProteCitrus - Produtos para Proteção da Citricultura - Atualização 15/04/2024 (ProteCitrus - Citrus Protection Products - Updated in 04/15/2023)



| Ingrediente Ativo (Active ingredients) | LMR - limite máximo de resíduo (MRL - Maximum residue limit) (mg/kg) | | | | | | | Classe (Classification) | Fabricante (Company) |
|--|--|--------------------|------|------------------|--------|-------|-------|--|--------------------------------------|
| | Europa (Europe) | Brasil (Brazil) | USA | Japão (Japan) | Canada | Codex | China | | |
| (E)-8-Dodecenol* ((E)-8-dodecen) | N/C | N/E | N/C | N/C | N/C | N/C | N/C | Feromônio (Pheromone) | Coopercitrus |
| Abamectina (Abamectin) | 0,04 | 0,02 | 0,02 | 0,1 | 0,02 | 0,02 | 0,02 | Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide) | Vários registrantes (Many companies) |
| Acetamiprido (Acetamiprid) | 0,9 | 0,5 | 1,0 | 2,0 | 0,5 | 1,0 | 0,5 | Inseticida (Insecticide) | Vários registrantes (Many companies) |
| Acetato de (E)-8-dodecenila* ((E)-8-dodeceny acetate) | N/C | N/E | N/C | N/C | N/C | N/C | N/C | Feromônio (Pheromone) | Coopercitrus |
| Acibenzolar - S - Metílico** (Acibenzolar-S-methyl) | 0,01 | IST | 0,02 | 0,02 | 0,1 | 0,015 | N/C | Ativador de Plantas (Plant Activator) | Syngenta |
| Ácido 4-indol-3-ilbutírico** (4-indol-3-ylbutyric acid) | 0,1 | IST | N/C | 0,01 | 0,1 | N/C | N/C | Regulador de crescimento (Growth regulator) | Stoller |
| Ácido giberélico** (Gibberellic Acid) | IST | IST | IST | 0,2 | 0,1 | N/C | N/C | Regulador de crescimento (Growth regulator) | Vários registrantes (Many companies) |
| Alfa-cipermetrina (Alpha-cypermethrin) | 2,0 | 0,3 | 0,35 | 2,0 | 0,1 | 0,3 | 2,0 | Inseticida (Insecticide) | Basf / Iharabras |
| Azadiractina (Azadirachtin) | 0,5 | IST | IST | IST | 0,1 | N/C | N/C | Inseticida (Insecticide) | Vários registrantes (Many companies) |
| Azoxistrobina (Azoxystrobin) | 15,0 | 7 | 15,0 | 10,0 | 15,0 | 15,0 | 1,0 | Fungicida (Fungicide) | Vários registrantes (Many companies) |
| Bacillus amyloliquefaciens*** (Bacillus amyloliquefaciens) | IST | IST | N/C | 0,01 | 0,1 | N/C | N/C | Fungicida Biológico (Biological Fungicide) | Vários registrantes (Many companies) |
| Bacillus licheniformis*** (Bacillus licheniformis) | 0,01 | IST | IST | 0,01 | 0,1 | N/C | N/C | Nematicida Microbiológico (Microbiological Nematicide) | FMC |
| Bacillus methylotrophicus*** (Bacillus methylotrophicus) | 0,01 | IST | N/C | 0,01 | 0,1 | N/C | N/C | Nematicida Microbiológico (Microbiological Nematicide) | Lallemand |
| Bacillus subtilis*** (Bacillus subtilis) | IST | IST | IST | 0,01 | 0,1 | N/C | N/C | Fungicida, Bactericida e Nematicida microbiológico (Fungicide, Bactericide and Microbiological Nematicide) | Vários registrantes (Many companies) |
| Bacillus thuringiensis*** (Bacillus thuringiensis) | 0,01 | IST | IST | 0,01 | IST | N/C | IST | Inseticida Biológico (Biological Insecticide) | Vários registrantes (Many companies) |

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| Beauveria bassiana*** (Beauveria bassiana) | IST | IST | IST | 0,01 | 0,1 | N/C | IST | Inseticida e Acaricida microbiológico (Insecticide and Microbiological acaricide) | Vários registrantes (Many companies) |
| Beta-ciflutrina (Beta-cyfluthrin) | 0,02 | 0,3 | 0,2 | 2,0 | 0,1 | 0,3 | 0,3 | Inseticida (Insecticide) | Bayer |
| Bifentrina (Bifenthrin) | 0,05 | 0,07 | 0,05 | 2,0 | 0,1 | 0,05 | 0,05 | Acaricida, Formicida e Inseticida (Acaricide, Anticide and Insecticide) | Vários registrantes (Many companies) |
| Buprofezina (Buprofezin) | 0,01 | 0,3 | 4,0 | 2,0 | 4,0 | 1,0 | 0,5 | Acaricida e Inseticida (Acaricide and Insecticide) | Vários registrantes (Many companies) |
| Carfentrazona-etílica (Carfentrazone-ethyl) | 0,02 | 0,05 | 0,1 | 0,1 | 0,1 | N/C | N/C | Herbicida (Herbicide) | FMC |
| Ciantraniliprole (Cyantraniliprole) | 0,9 | 0,5 | 0,7 | 0,7 | 0,7 | 0,7 | 0,7 | Inseticida (Insecticide) | Syngenta / FMC |
| Ciflumetofen (Cyflumetofen) | 0,5 | 0,1 | 0,3 | 10,0 | 0,3 | 0,3 | 5,0 | Acaricida (Acaricide) | UPL / Iharabras |
| Cinetina** (kinetin) | 0,01 | IST | N/C | 0,01 | 0,1 | N/C | N/C | Regulador de crescimento (Growth regulator) | Stoller |
| Clorantraniliprole (Chlorantraniliprole) | 0,7 | 0,2 | 1,4 | 0,7 | 0,7 | 0,7 | 0,5 | Inseticida (Insecticide) | Vários registrantes (Many companies) |
| Cloridrato de formetanato (Formetanate hydrochloride) | 0,01 | 0,05 | 1,5 | 2,0 | 0,9 | N/C | N/C | Acaricida e Inseticida (Acaricide and Insecticide) | Gowan |
| Difenoconazol (Difenoconazole) | 0,6 | 0,5 | 0,6 | 0,6 | 0,8 | 0,6 | 0,2 | Fungicida (Fungicide) | Vários registrantes (Many companies) |
| Diflubenzurom (Diflubenzuron) | 0,01 | 0,2 | 3,0 | 3,0 | 0,1 | 0,5 | 1,0 | Acaricida e Inseticida (Acaricide and Insecticide) | Vários registrantes (Many companies) |
| Diquate (Diquat) | 0,02 | 0,02 | 0,05 | 0,02 | 0,1 | 0,02 | 0,1 | Herbicida (Herbicide) | Vários registrantes (Many companies) |
| Diuron (Diuron) | 0,01 | 0,1 | 0,05 | 0,05 | 1,0 | N/C | N/C | Herbicida (Herbicide) | Vários registrantes (Many companies) |
| Enxofre (Sulfur) | IST | IST | IST | IST | IST | N/C | N/C | Acaricida e Fungicida (Acaricide and Fungicide) | Vários registrantes (Many companies) |
| Espinetoram (Spinetoram) | 0,07 | 0,2 | 0,3 | 0,7 | 0,3 | 0,07 | 0,07 | Inseticida (Insecticide) | Corteva |
| Espinosade (Spinosad) | 0,3 | 0,01 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | Inseticida (Insecticide) | Corteva / Isca |
| Espirodiclofeno (Spirodiclofen) | 0,5 | 0,03 | 0,5 | 2,0 | 0,5 | 0,4 | 0,5 | Acaricida (Acaricide) | Vários registrantes (Many companies) |
| Etofenproxi (Etofenprox) | 1,5 | 0,2 | 5,0 | 5,0 | 0,1 | N/C | N/C | Inseticida (Insecticide) | Sipcam / Iharabras |
| Etoxazol (Etoxazole) | 0,1 | 0,05 | 0,1 | 0,7 | 0,1 | 0,1 | 0,5 | Acaricida (Acaricide) | Sumitomo |
| Fenpiroximato (Fenpyroximate) | 0,5 | 0,5 | 1,0 | 1,0 | 1,0 | 0,6 | 0,2 | Acaricida (Acaricide) | Nichino |
| Fenpropatrina (Fenpropathrin) | 2,0 | 1,0 | 2,0 | 5,0 | 2,0 | 2,0 | 5,0 | Acaricida e Inseticida (Acaricide and Insecticide) | Sumitomo / Iharabras |

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| | Europa (Europe) | Brasil (Brazil) | USA | Japão (Japan) | Canada | Codex | China | | |
| Fipronil* (Fipronil) | 0,005 | N/E | N/C | 0,01 | 0,1 | N/C | 0,02 | Formicida (Formicide) | Basf |
| Fludioxonil (Fludioxonil) | 10,0 | 8,0 | 10,0 | 10,0 | 10,0 | 10,0 | 10,0 | Fungicida (Fungicide) | Syngenta |
| Flufenoxurom (Flufenoxuron) | 0,01 | 0,2 | 0,3 | 2,0 | 1,0 | 0,4 | 0,5 | Acaricida e Inseticida (Acaricide and Insecticide) | Basf |
| Flumioxazina (Flumioxazin) | 0,02 | 0,05 | 0,02 | 0,1 | 0,1 | N/C | 0,05 | Herbicida (Herbicide) | Sumitomo / Nufarm |
| Fluopiram (Fluopyram) | 0,5 | 0,3 | 1,0 | 1,0 | 1,0 | 0,6 | 1,0 | Nematicida e Inseticida (Nematicide and Insecticide) | Bayer |
| Flupiradifurona (Flupyradifurone) | 3,0 | 1,0 | 3,0 | 3,0 | 3,0 | 4,0 | 1,0 | Inseticida (Insecticide) | Bayer |
| Fluxaproxade (Fluxapyroxad) | 1,5 | 0,2 | 1,0 | 1,0 | 1,0 | 0,3 | 0,3 | Fungicida (Fungicide) | Basf / Oxiquímica |
| Fosetil (Fosetyl) | 75,0 | 0,5 | 9,0 | 150,0 | 9,0 | 20,0 | N/C | Fungicida (Fungicide) | Bayer |
| Glifosato - Sal de Potássio (Glyphosate) | 0,5 | 0,2 | 0,5 | 0,5 | 0,1 | N/C | 0,5 | Herbicida (Herbicide) | Monsanto |
| Glufosinato - Sal de Amônio (Glufosinate) | 0,05 | 0,05 | 0,15 | 0,2 | 0,1 | 0,05 | 0,5 | Herbicida (Herbicide) | Vários registrantes (Many companies) |
| Hexitiazoxi (Hexythiazox) | 1,0 | 1,0 | 0,6 | 1,0 | 0,5 | 0,5 | 0,5 | Acaricida (Acaricide) | Du Pont |
| Hidróxido de Cobre (Copper hydroxide) | 20,0 | IST | IST | IST | 50 | N/C | N/C | Fungicida e Bactericida (Fungicide and Bactericide) | Vários registrantes (Many companies) |
| Hirsutella thompsonii*** (Hirsutella thompsonii) | N/C | IST | N/C | N/C | N/C | N/C | N/C | Acaricida microbiológico (Microbiological Acaricide) | Maneogene |
| Imazalil (Imazalil) | 4,00 | 5,00 | 10,00 | 5,00 | 5,00 | 8,0 | 5,00 | Fungicida (Fungicide) | Adama / Agrovant |
| Imidacloprido (Imidacloprid) | 1,0 | 1,0 | 0,7 | 0,7 | 1,0 | 1,0 | 1,0 | Inseticida (Insecticide) | Vários registrantes (Many companies) |
| Indaziflam (Indaziflan) | 0,01 | 0,01 | 0,01 | 0,01 | 0,01 | N/C | N/C | Herbicida (Herbicide) | Bayer |
| Isaria fumosorosea*** (Isaria fumosorosea) | N/C | IST | N/C | N/C | N/C | N/C | N/C | Inseticida Biológico (Biological Insecticide) | Vários registrantes (Many companies) |
| Isaria javanica*** (Isaria javanica) | N/C | IST | N/C | N/C | N/C | N/C | N/C | Inseticida Microbiológico (Microbiological Insecticide) | Vittia |
| Malationa (Malathion) | 2,0 | 4,0 | 8,0 | 7,0 | 0,1 | 7,0 | 4,0 | Inseticida e Acaricida (Insecticide and Acaricide) | Vários registrantes (Many companies) |
| Metaflumizone (Metaflumizone) | 3,0 | 2,0 | 3,0 | 8,0 | 0,1 | 3,0 | N/C | Inseticida (Insecticide) | Basf |
| Metarhizium anisopliae*** (Metarhizium anisopliae) | 0,01 | IST | IST | 0,01 | 0,1 | N/C | IST | Inseticida Biológico (Biological Insecticide) | Vários registrantes (Many companies) |
| Neoseiulus californicus*** (Neoseiulus californicus) | N/C | IST | N/C | N/C | N/C | N/C | N/C | Acaricida biológico (Biological acaricide) | Koppert |
| Óleo mineral (Mineral oil) | 0,01 | IST | IST | IST | 0,1 | N/C | N/C | Acaricida, Adjuvante, Fungicida e Inseticida (Acaricide, Adjuvant, Fungicide and Insecticide) | Vários registrantes (Many companies) |

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| Óleo vegetal (Vegetable oil) | IST | N/C | N/C | N/C | N/C | N/C | N/C | Adjuvante e Inseticida (Adjuvant and Insecticide) | Vários registrantes (Many companies) |
| Oxicloreto de cobre (Copper oxychloride) | 20,0 | IST | IST | IST | 50,0 | N/C | N/C | Bactericida e Fungicida (Bactericide and Fungicide) | Vários registrantes (Many companies) |
| Óxido cuproso (Cuprous oxide) | 20,0 | IST | IST | IST | 50,0 | N/C | N/C | Bactericida e Fungicida (Bactericide and Fungicide) | Albaugh / Agrovant |
| Oxymatine*** (Oxymatine) | 0,01 | N/C | N/C | N/C | N/C | N/C | N/C | Acaricida biológico (Biological acaricide) | Dinagro |
| Paecilomyces fumosoroseus*** (Paecilomyces fumosoroseus) | IST | IST | N/C | 0,01 | 0,1 | N/C | N/C | Inseticida Microbiológico (Microbiological Insecticide) | Maneogene |
| Paecilomyces lilacinus*** (Paecilomyces lilacinus) | 0,01 | IST | N/C | 0,01 | 0,1 | N/C | N/C | Nematicida Microbiológico (Microbiological Nematicide) | Vários registrantes (Many companies) |
| Piraclostrobina (Pyraclostrobin) | 2,0 | 0,5 | 2,0 | 2,0 | 2,0 | 2,0 | 3,0 | Fungicida (Fungicide) | Basf |
| Piridabem (Pyridaben) | 0,3 | 0,05 | 0,9 | 1,0 | 0,9 | N/C | 2,0 | Acaricida e Inseticida (Acaricide and Insecticide) | Iharabras |
| Pirimetanil (Pyrimethanil) | 8,0 | 2,0 | 10,0 | 10,0 | 10,0 | 7,0 | 7,0 | Fungicida (Fungicide) | Bayer |
| Piriproxifem (Pyriproxyfen) | 0,6 | 1,0 | 0,5 | 2,0 | 0,5 | 0,5 | 2,0 | Inseticida (Insecticide) | Vários registrantes (Many companies) |
| Propargito (Propargite) | 4,0 | 5,0 | 10,0 | 5,0 | 5,0 | 3,0 | 5,0 | Acaricida (Acaricide) | Vários registrantes (Many companies) |
| Saflufenacil (Saflufenacil) | 0,03 | 0,03 | 0,03 | 0,03 | 0,03 | 0,01 | 0,05 | Herbicida (Herbicide) | Basf |
| Sulfentrazone (Sulfentrazone) | 0,01 | 0,1 | 0,15 | 0,05 | 0,1 | N/C | N/C | Herbicida (Herbicide) | FMC |
| Sulfluramida* (Sulfluramid) | N/C | N/E | N/C | N/C | N/C | N/C | N/C | Formicida (Formicide) | Vários registrantes (Many companies) |
| Sulfoxaflor (Sulfoxaflor) | 0,8 | 0,3 | 0,7 | 2,0 | 0,7 | 0,8 | 2,0 | Inseticida (Insecticide) | Corteva |
| Tebuconazol (Tebuconazole) | 0,9 | 5,0 | 1,0 | 5,0 | 1,0 | 0,4 | 2,0 | Fungicida (Fungicide) | Vários registrantes (Many companies) |
| Tebufenozida (Tebufenozide) | 2,0 | 0,5 | 2,0 | 2,0 | 0,1 | 2,0 | 2,0 | Inseticida (Insecticide) | Iharabras |
| Teflubenzurom (Teflubenzuron) | 0,5 | 0,5 | 0,6 | 0,5 | 0,6 | 0,5 | 0,5 | Inseticida (Insecticide) | Basf |
| Tiabendazol (Thiabendazole) | 7,0 | 10,0 | 10,0 | 10,0 | 10,0 | 7,0 | 10,0 | Fungicida (Fungicide) | Syngenta |
| Tiametoxam (Thiamethoxam) | 0,15 | 1,00 | 0,40 | 1,00 | 0,40 | 0,50 | 0,5 | Inseticida (Insecticide) | Syngenta / Ouro Fino |
| Trichoderma asperellum*** (Trichoderma asperellum) | IST | IST | IST | 0,01 | 0,1 | N/C | N/C | Fungicida Microbiológico (Microbiological Fungicide) | Vários registrantes (Many companies) |
| Trichoderma harzianum*** (Trichoderma harzianum) | IST | IST | N/C | 0,01 | 0,1 | N/C | N/C | Fungicida e Nematicida Biológico (Biological Fungicide and Nematicide) | Vários registrantes (Many companies) |

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| Trichogramma pretiosum*** (Trichogramma pretiosum) | N/C | IST | N/C | N/C | N/C | N/C | N/C | Agente Biológico de Controle (Biological Control Agent) | Koppert |
| Trifloxistrobina (Trifloxystrobin) | 0,5 | 0,4 | 0,6 | 3,0 | 0,6 | 0,5 | 0,5 | Fungicida (Fungicide) | Bayer |
| Trimedlure* (Trimedlure) | 0,01 | N/E | N/C | 0,01 | 0,1 | N/C | N/C | Feromônio (Pheromone) | Vários registrantes (Many companies) |
| Zeta-cipermetrina (Zeta-cypermethrin) | 2,0 | 0,3 | 0,35 | 2,0 | 1,0 | 0,3 | 2,0 | Inseticida (Insecticide) | FMC |

Notas (Notes)

* LMR não determinado em função da modalidade de uso
(MRL not determined according to the type of use)

** Produtos de ocorrência natural
(Naturally occurring products)

*** Produto biológico
(Biological product)

IST Isento
(Exempt)

N/C Ativo não tem registro para qualquer cultura no país
(Active has no record for any culture in the parents)

N/E Ativo tem autorização para uso no País, mas não tem LMR
fixado para frutas cítricas
(Active ingredient is authorized for use in the country, but not
has MRLs set for citrus fruits)