

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

ProteCitrus - Produtos para Proteção da Citricultura - Atualização 15/12/2025 (ProteCitrus - Citrus Protection Products - Updated in 12/15/2025)



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 / koppert
2,4-D (2,4-D)	1,0	2,0	3,0	3,0	2,0	1,0	0,1	Herbicida (Herbicide)	Vários registrantes (Many companies)
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	0,9	1,0	2,0	0,5	1,0	0,5	Inseticida (Insecticide)	Vários registrantes (Many companies)
Acetato de (E)-8-dodecenila* ((E)-8-dodecenyl acetate)	N/C	N/E	N/C	N/C	N/C	N/C	N/C	Feromônio (Pheromone)	Vários registrantes (Many companies)
Acibenzolar - S - Metílico** (Acibenzolar-S-methyl)	0,01	IST	0,02	0,02	0,1	0,015	0,015	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)	Vários registrantes (Many companies)
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	1,0	0,35	2,0	0,1	0,3	2,0	Inseticida (Insecticide)	Vários registrantes (Many companies)
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)	Vários registrantes (Many companies)
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	IST	Fungicida, Bactericida e Nematicida microbiológico (Fungicide, Bactericide and Microbiological Nematicide)	Vários registrantes (Many companies)

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		
Bacillus thuringiensis*** (Bacillus thuringiensis)	0,01	IST	IST	0,01	IST	N/C	IST	Inseticida Biológico (Biological Insecticide)	Vários registrantes (Many companies)
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)	0,3	0,3	0,2	1,0	0,1	0,3	0,3	Inseticida (Insecticide)	Bayer
Bifentrina (Bifenthrin)	0,05	0,15	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	3,0	4,0	1,0	0,5	Acaricida e Inseticida (Acaricide and Insecticide)	Nichino / Helm
Carbonato de cobre (Copper carbonate)	20	IST	IST	IST	50	-	-	Fungicida (Fungicide)	Vittia
Carfentrazona-etílica (Carfentrazone-ethyl)	0,02	0,05	0,1	0,1	0,1	N/C	N/C	Herbicida (Herbicide)	Vários registrantes (Many companies)
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)	Vários registrantes (Many companies)
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)	Syngenta
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	0,2	0,5	2,0	0,5	0,4	0,5	Acaricida (Acaricide)	Vários registrantes (Many companies)
Espiromesifeno (Spiromesifen)	0,15	0,07	0,15	2,0	0,1	0,15	N/C	Inseticida e Acaricida (Insecticide and Acaricide)	Bayer
Etofenproxi (Etofenprox)	1,5	0,2	5,0	10,0	0,1	N/C	N/C	Inseticida (Insecticide)	Sipcam / Iharabras

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		
Etoxazol (Etozazole)	0,01	0,05	0,1	0,7	0,1	0,1	0,5	Acaricida (Acaricide)	Sumitomo
Fenpiroximato (Fenpyroximate)	0,5	0,5	1,0	2,0	1,0	N/C	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
Fipronil* (Fipronil)	0,005	N/E	N/C	0,01	0,1	N/C	0,02	Formicida (Formicide)	Vários registrantes (Many companies)
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	0,05	0,1	N/C	0,05	Herbicida (Herbicide)	Vários registrantes (Many companies)
Fluopiram (Fluopyram)	0,5	0,3	1,0	1,0	1,0	0,6	1,0	Nematicida e Inseticida (Nematicide and Insecticide)	Bayer / Basf
Flupiradifurona (Flupyradifurone)	3,0	0,8	3,0	4,0	3,0	4,0	1,0	Inseticida (Insecticide)	Bayer
Fluxaproxade (Fluxapyroxad)	1,5	0,2	1,0	4,0	1,0	1,5	0,3	Fungicida (Fungicide)	Vários registrantes (Many companies)
Fosetil (Fosetyl)	75,0	0,5	9,0	150,0	9,0	20,0	N/C	Fungicida (Fungicide)	Bayer / Ascenza
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	0,1	0,15	0,2	0,1	0,05	0,5	Herbicida (Herbicide)	Vários registrantes (Many companies)
Hexitiazoxi (Hexythiazox)	0,5	1,0	0,6	1,0	0,5	0,5	0,5	Acaricida (Acaricide)	Vários registrantes (Many companies)
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)	Agrobiológica / TZ Biotec
Imazalil (Imazalil)	4,00	5,00	10,00	5,00	5,00	15,00	5,00	Fungicida (Fungicide)	Adama / Agrovant
Imidacloprido (Imidacloprid)	0,9	2,0	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 / Environmental
Indoxacarbe (Indoxacarb)	0,01	N/E	N/C	0,01	0,1	N/C	N/C	Formicida e Inseticida (Formicide and Insecticide)	Vários registrantes (Many companies)
Isaria fumosorosea*** (Isaria fumosorosea)	IST	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 / Ballagro
Isocicloseram (Isocycloseram)	0,01	0,2	N/C	0,01	0,1	0,4	N/C	Acaricida e Inseticida (Acaricide and Insecticide)	Syngenta

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		
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)
Mefentrifluconazol (Mefentrifluconazole)	0,5	0,2	0,6	0,6	0,6	1,0	N/C	Fungicida (Fungicide)	Basf
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	N/C	Inseticida Biológico (Biological Insecticide)	Vários registrantes (Many companies)
Metoxifenozida (Methoxyfenozide)	2,0	0,2	3,0	3,0	10,0	2,0	2,0	Inseticida (Insecticide)	UPL
Neoseiulus californicus*** (Neoseiulus californicus)	N/C	IST	N/C	N/C	N/C	N/C	N/C	Acaricida biológico (Biological acaricide)	Vários registrantes (Many companies)
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)
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)
Óleo vegetal (óleo de laranja) (Vegetable oil (orange oil))	IST	N/C	N/C	N/C	N/C	N/C	N/C	Inseticida e Fungicida (Insecticide and Fungicide)	Tradecorp
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 / ANVAC
Oxymatrine*** (Oxymatrine)	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)	Agrobiológica
Paecilomyces lilacinus*** (Paecilomyces lilacinus)	IST	IST	N/C	0,01	0,1	N/C	IST	Nematicida Microbiológico (Microbiological Nematicide)	Vários registrantes (Many companies)
Pendimetalina (Pendimethalin)	0,05	0,01	0,1	0,03	0,1	0,03	0,03	Herbicida (Herbicide)	Basf
Piraclostrobina (Pyraclostrobin)	2,0	0,5	2,0	2,0	2,0	2,0	3,0	Fungicida (Fungicide)	Vários registrantes (Many companies)
Piridabem (Pyridaben)	0,3	0,06	0,9	1,0	0,9	N/C	2,0	Acaricida e Inseticida (Acaricide and Insecticide)	Iharabras
Pirimetanil (Pirimethanil)	8,0	5,0	10,0	10,0	10,0	7,0	7,0	Fungicida (Fungicide)	Bayer
Piriproxifem (Pyriproxyfen)	0,7	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)
Pseudomonas chlororaphis*** (Pseudomonas chlororaphis)	0,01	IST	IST	0,01	0,1	N/C	N/C	Inseticida Microbiológico (Microbiological Insecticide)	Total Biotecnologia

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		
Pseudomonas fluorescens*** (Pseudomonas fluorescens)	0,01	IST	IST	0,01	0,1	N/C	IST	Inseticida Microbiológico (Microbiological Insecticide)	Total Biotecnologia
Saflufenacil (Saflufenacil)	0,03	0,03	0,03	0,03	0,03	0,01	0,05	Herbicida (Herbicide)	Basf
Silicato de alumínio - Caulim (Aluminum silicate - Kaolin)	IST	IST	IST	-	-	-	-	Inseticida Repelente (Insecticide Repellent)	Tessenderlo Kerley
Sulfentrazona (Sulfentrazone)	0,01	0,1	0,15	0,05	0,1	N/C	N/C	Herbicida (Herbicide)	Vários registrantes (Many companies)
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 / Adama
Tebuconazol (Tebuconazole)	0,9	5,0	1,0	5,0	1,0	0,4	2,0	Fungicida (Fungicide)	Vários registrantes (Many companies)
Tebufozida (Tebufozide)	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
Tiafenacil (Thiafenacil)	0,01	0,01	0,01	0,01	0,1	N/C	N/C	Herbicida (Herbicide)	ISK Biosciences
Tiametoxam (Thiamethoxam)	0,15	1,00	0,40	1,00	0,40	0,50	0,5	Inseticida (Insecticide)	Vários registrantes (Many companies)
Trichoderma asperellum*** (Trichoderma asperellum)	IST	IST	IST	0,01	0,1	N/C	IST	Fungicida Microbiológico (Microbiological Fungicide)	Vários registrantes (Many companies)
Trichoderma harzianum*** (Trichoderma harzianum)	IST	IST	N/C	0,01	0,1	N/C	IST	Fungicida e Nematicida Biológico (Biological Fungicide and Nematicide)	Vários registrantes (Many companies)
Trichogramma pretiosum*** (Trichogramma pretiosum)	N/C	IST	N/C	N/C	N/C	N/C	N/C	Agente Biológico de Controle (Biological Control Agent)	Vários registrantes (Many companies)
Trifloxistrobina (Trifloxystrobin)	0,5	0,4	0,6	3,0	0,6	0,5	0,5	Fungicida (Fungicide)	Vários registrantes (Many companies)
Trifluralina (Trifluralin)	0,01	0,05	0,05	0,05	0,1	-	-	Herbicida (Herbicide)	Nortox / Adama
Trimedlure* (Trimedlure)	0,01	IST	N/C	0,01	0,1	N/C	N/C	Feromônio (Pheromone)	Bio Controle / Isca
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)