

# ProteCitrus - Produtos para proteção da Citricultura (Citrus Protection Products)

Grade elaborada pelo Comitê Técnico da ProteCitrus, atualizado em 14/04/2022  
(List drawn up by the ProteCitrus Technical Committee, updated 04/14/2022)



## 1. Lista de inseticidas, acaricidas e fungicidas (1- List of insecticides, acaricides and fungicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Abamectina (Abamectin)	Abadin 72 EC	Inseticida e Acaricida (Insecticide and Acaricide)	3,75-7,5 mL/100 L	7	EC	I	II	Cropchem	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamectin 72 EC Nortox	Inseticida e Acaricida (Insecticide and Acaricide)	3,75-7,5 mL/100 L	7	EC	I	II	Nortox	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamectin Nortox	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-30,0 mL/100 L	7	EC	III	III	Nortox	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamectin Nortox 400 WG	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	1,35-1,7 g/100L	7	WG	Cat 2	II	Nortox	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamectin Prentiss	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-30,0 mL/100 L	7	EC	I	III	Prentiss	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamex	Inseticida e Acaricida (Insecticide and Acaricide)	20,0 mL/100 L	7	EC	I	III	Sumitomo	Avermectina (Avermectin)
Abamectina (Abamectin)	Abamex BR 18	Inseticida e Acaricida (Insecticide and Acaricide)	20,0 mL/100 L	7	EC	I	III	Sumitomo	Avermectina (Avermectin)
Abamectina (Abamectin)	Acaramik	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-30,0 mL/100 L	7	EC	I	III	Rotam	Avermectina (Avermectin)

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Abamectina (Abamectin)	Banter	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	15,0-30,0 mL/100 L	7	EC	I	II	UPL	Avermectina (Avermectin)
Abamectina (Abamectin)	Batent	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	15,0-30,0 mL/100 L	7	EC	I	III	UPL	Avermectina (Avermectin)
Abamectina (Abamectin)	Boreal	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	10,0-30,0 mL/100 L	7	EC	I	II	Tradecorp	Avermectina (Avermectin)
Abamectina (Abamectin)	Grimectin	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-30,0 mL/100 L	7	EC	I	III	Rotam	Avermectina (Avermectin)
Abamectina (Abamectin)	Mantis 400 WG	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	1,35-1,70 g/100L	7	WG	Cat 2	II	Cropchem	Avermectina (Avermectin)
Abamectina (Abamectin)	Pausato	Acaricida e Inseticida (Acaricide and Insecticide)	20,0-30,0 mL/100 L	7	EC	I	III	Sinon	Avermectina (Avermectin)
Abamectina (Abamectin)	Potenza Sinon	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-30,0 mL/100 L	7	EC	I	III	Sinon	Avermectina (Avermectin)
Abamectina (Abamectin)	Rotamik	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-30,0 mL/100 L	7	EC	I	III	Rotam	Avermectina (Avermectin)

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Abamectina (Abamectin)	Vertimec 18 EC	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	10,0-30,0 mL/100 L	7	EC	III	II	Syngenta	Avermectina (Avermectin)
Abamectina (Abamectin)	Vertimec 84 SC	Inseticida, Acaricida e Nematicida (Insecticide, Acaricide and Nematicide)	4,0-6,0 mL/100 L	7	SC	I	III	Syngenta	Avermectina (Avermectin)
Abamectina + Ciantraniliprole (Abamectin + Cyantraniliprole)	Minecto Pro	Inseticida e Acaricida (Insecticide and Acaricide)	0,1-0,5 L/ha	7	SC	Cat 3	II	Syngenta	Avermectina + Antranilamida (Avermectin + Anthranilamide)
Acetamiprido (Acetamiprid)	Mospilan WG	Inseticida (Insecticide)	3,0-7,0 g /100 L	3	WG	III	II	Iharabras	Neonicotinóide (Neonicotinoid)
Acetamiprido + Bifentrina (Acetamiprid + Bifenthrin)	Sperto	Inseticida (Insecticide)	8,0-12,0 g /100 L	21	WG	III	I	UPL	Neonicotinóide + Piretróide (Neonicotinoid + Pyrethroids)
Acetamiprido + Piriproxifem (Acetamiprid + Pyriproxyfen)	Privilege	Inseticida (Insecticide)	2,5-7,5 mL/100 L	14	OD	III	I	Iharabras	Neonicotinóide + Éter piridiloxipropílico (Neonicotinoid + Pyridyloxypropyl ether)
Alfa-cipermetrina + Teflubenzuron (Alpha-cypermethrin + Teflubenzuron)	Imunit	Inseticida (Insecticide)	20-25 mL/100 L	15	SC	III	II	Basf	Piretróide + Benzoiluréia (Pyrethroids + Benzoylurea)
Azadiractina (Azadirachtin)	AzaMax	Inseticida (Insecticide)	100,0-250,0 mL/100 L	-	EC	III	IV	UPL	Tetranortriterpenóides (Tetranortriterpenoid)
Azadiractina (Azadirachtin)	Azact CE	Inseticida e Fungicida (Insecticide and Fungicide)	4 L/ha	-	EC	II	IV	LAC e Silva Agronegócios	Tetranortriterpenóides (Tetranortriterpenoid)
Azadiractina (Azadirachtin)	Bioexos	Inseticida e Fungicida (Insecticide and Fungicide)	1,6-3,3 L/ha	s/r	EC	Cat 5	IV	Biotrop	Tetranortriterpenóides (Tetranortriterpenoid)
Azoxistrobina (Azoxystrobin)	Amistar WG	Fungicida (Fungicide)	8,0-16,0 g /100 L	7	WG	IV	II	Syngenta	Estrobilurina (Strobilurin)

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Azoxistrobina (Azoxystrobin)	Azoxistrobin Nortox	Fungicida (Fungicide)	0,2-0,3 L/ha	7	SC	Cat 5	III	Nortox	Estrobilurina (Strobilurin)
Azoxistrobina (Azoxystrobin)	Vantigo	Fungicida (Fungicide)	8,0-16,0 g /100 L	7	WG	IV	III	Syngenta	Estrobilurina (Strobilurin)
Azoxistrobina + Difenoconazol (Azoxystrobin + Difenoconazole)	Priori Top	Fungicida (Fungicide)	20,0 mL/100 L	7	SC	III	II	Syngenta	Estrobilurina + Triazol (Strobilurin + Triazole)
Azoxistrobina + Difenoconazol (Azoxystrobin + Difenoconazole)	Vitene	Fungicida (Fungicide)	13,25 mL/100L	7	SC	Cat 4	II	Sipcam	Estrobilurina + Triazol (Strobilurin + Triazole)
Azoxistrobina + Fludioxonil (Azoxystrobin + Fludioxonil)	Graduate A+	Fungicida (Fungicide)	0,25 - 0,5 L/100 L	-	SC	Cat 4	II	Syngenta	Estrobilurina + Fenilpirrol (Strobilurin + Phenylpyrrole)
Azoxistrobina + Tebuconazol (Azoxystrobin + Tebuconazole)	Azimut	Fungicida (Fungicide)	30,0-40,0 mL/100 L	20	SC	III	II	Adama	Estrobilurina + Triazol (Strobilurin + Triazole)
Azoxistrobina + Tebuconazol (Azoxystrobin + Tebuconazole)	Helmstar Plus	Fungicida (Fungicide)	0,7 L/ha	20	SC	II	II	Helm	Estrobilurina + Triazol (Strobilurin + Triazole)
Beta-ciflutrina (Beta-cyfluthrin)	Bulldock 125 SC	Inseticida (Insecticide)	50-100 mL/ha	3	SC	II	II	Bayer	Piretróide (Pyrethroids)
Bifentrina (Bifenthrin)	Bifentrina 100 EC Nortox	Inseticida e Acaricida (Insecticide and Acaricide)	7,5-20,0 mL/100 L	7	EC	Cat 4	II	Nortox	Piretróide (Pyrethroids)
Bifentrina (Bifenthrin)	Bitrin 100 EC	Inseticida e Acaricida (Insecticide and Acaricide)	7,5 - 20,0 mL/100L	7	EC	Cat 4	II	Cropchem	Piretróide (Pyrethroids)
Bifentrina (Bifenthrin)	Seizer 100 EC	Inseticida e Acaricida (Insecticide and Acaricide)	7,5-20,0 mL/100 L	7	EC	III	II	Adama	Piretróide (Pyrethroids)

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Bifentrina (Bifenthrin)	Talstar 100 EC	Inseticida e Acaricida (Insecticide and Acaricide)	7,5-20,0mL/100 L	7	EC	III	III	FMC	Piretróide (Pyrethroids)
Buprofezina (Buprofezin)	Applaud 250	Inseticida e Regulador de Crescimento (Insecticide and Growth Regulator)	100,0-200,0 g/100 L	7	WP	III	III	Nichino	Tiadiazinona (Thiadiazole-type)
Buprofezina (Buprofezin)	Sensei	Inseticida (Insecticide)	7,5-22,5 mL/100 L	7	SC	III	III	Helm	Tiadiazinona (Thiadiazole-type)
Ciflumetofen (Cyflumetofen)	Obny	Acaricida (Acaricide)	40,0 mL/100 L	7	SC	III	III	UPL	Benzoilacetoneitrila (Benzoyl acetronitrile)
Ciflumetofen (Cyflumetofen)	Okay	Acaricida (Acaricide)	40,0 mL/100 L	7	SC	III	III	Iharabras	Benzoilacetoneitrila (Benzoyl acetronitrile)
Clorantraniliprole + Abamectina (Chlorantraniliprole + Abamectin)	Voliam Targo	Inseticida e Acaricida (Insecticide and Acaricide)	5,0-20,0 mL/100 L	7	SC	II	II	Syngenta	Avermectina + Antranilamida (Avermectin + Anthranilamide)
Clorantraniliprole + Tiametoxam (Chlorantraniliprole + Thiamethoxam)	Durivo	Inseticida (Insecticide)	1,0-2,0 mL/metro alt. planta	14	SC	III	II	Syngenta	Antranilamida + Neonicotinóide (Anthranilamide + Neonicotinoid)
Cloridrato de formetanato (Formetanate hydrochloride)	Dicarzol 500 SP	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-25,0 g/100 L	21	SP	II	II	Cross Link	Metilcarbamato de fenila (N-Methyl Carbamate)
Difenoconazol (Difenoconazole)	Cerimônia	Fungicida (Fungicide)	20,0 mL/100L	7	EC	Cat 4	II	Tradecorp	Triazol (Triazole)
Difenoconazol (Difenoconazole)	Curygen EC	Fungicida (Fungicide)	20,0 mL/100 L	7	EC	I	II	Avgust	Triazol (Triazole)
Difenoconazol (Difenoconazole)	Difcor 250 EC	Fungicida (Fungicide)	20,0 mL/100 L	7	EC	I	II	Cross Link	Triazol (Triazole)
Difenoconazol (Difenoconazole)	Prisma Plus	Fungicida (Fungicide)	20,0 mL/100 L	7	EC	I	II	Helm	Triazol (Triazole)
Difenoconazol (Difenoconazole)	Score	Fungicida (Fungicide)	20,0 mL/100 L	7	EC	I	II	Syngenta	Triazol (Triazole)
Difenoconazol (Difenoconazole)	Volna 250 EC	Fungicida (Fungicide)	20,0 mL/100 L	7	EC	I	II	Avgust	Triazol (Triazole)

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Diflubenzurom (Diflubenzuron)	Copa	Inseticida (Insecticide)	500,0 g/ha	30	WP	III	III	BRA	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Diflubenzuron 240 SC Crop	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-50,0 mL/100 L	30	SC	IV	II	Avgust	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Difluchem 240 SC	Inseticida (Insecticide)	25,0 mL/100 L	30	SC	III	II	Helm	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Diflurmax	Inseticida (Insecticide)	25,0 mL/100 L	30	SC	III	II	Helm	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Dimilin	Inseticida (Insecticide)	500,0 g/ha	30	WP	IV	III	UPL	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Herold SC	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-50,0 mL/100 L	30	SC	IV	II	Avgust	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Login	Inseticida (Insecticide)	500,0 g/ha	30	WP	I	II	UPL	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	Micromite 240 SC	Inseticida e Acaricida (Insecticide and Acaricide)	15,0-50,0 mL/100 L	30	SC	III	III	UPL	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	TrulyMax	Inseticida (Insecticide)	500,0 g/ha	30	WP	Cat 5	II	Sinon	Benzoiluréia (Benzoylurea)
Diflubenzurom (Diflubenzuron)	UnânimeBR	Inseticida (Insecticide)	7,5 a 25 mL/100 L	30	SC	Cat 5	II	Ouro Fino	Benzoiluréia (Benzoylurea)
Enxofre (Sulfur)	Agrothio 800	Acaricida e Fungicida (Acaricide and Fungicide)	500,0-600,0 mL/100 L	s/r	SC	IV	IV	Vittia	Inorgânico (Inorganic)
Enxofre (Sulfur)	Cover DF	Acaricida e Fungicida (Acaricide and Fungicide)	300,0-500,0 g/100 L	s/r	WG	IV	IV	Basf	Inorgânico (Inorganic)
Enxofre (Sulfur)	Defend WDG	Acaricida (Acaricide)	4,0 kg/ha	s/r	WG	IV	IV	Quimetal	Inorgânico (Inorganic)
Enxofre (Sulfur)	Kumulus DF	Acaricida e Fungicida (Acaricide and Fungicide)	300,0-500,0 g/100 L	s/r	WG	III	III	Basf	Inorgânico (Inorganic)

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Enxofre (Sulfur)	Kumulus DF-AG	Acaricida e Fungicida (Acaricide and Fungicide)	300,0-500,0 g/100 L	s/r	WG	IV	IV	Basf	Inorgânico (Inorganic)
Enxofre (Sulfur)	Microsulfan 800 PM	Acaricida e Fungicida (Acaricide and Fungicide)	400,0 g/100 L	s/r	WG	IV	IV	Enro	Inorgânico (Inorganic)
Enxofre (Sulfur)	Microthiol Disperss WG	Acaricida (Acaricide)	500,0 g/100 L	s/r	WG	IV	IV	UPL	Inorgânico (Inorganic)
Enxofre (Sulfur)	Sulfur 800	Acaricida (Acaricide)	300,0 mL/100 L	s/r	SC	IV	IV	Stoller	Inorgânico (Inorganic)
Enxofre (Sulfur)	Sulfure 750	Acaricida (Acaricide)	125,0-250,0 mL/100 L	s/r	SC	IV	IV	Vittia	Inorgânico (Inorganic)
Enxofre (Sulfur)	Sulphur 800 WG Perterra	Acaricida e Fungicida (Acaricide and Fungicide)	0,2-0,5 kg/100L	s/r	WG	Cat 5	III	Perterra	Inorgânico (Inorganic)
Espinetoram (Spinetoram)	Delegate	Inseticida (Insecticide)	5,0-10,0	1	WG	III	II	Corteva	Espinosinas (Spinosyns)
Espinosade (Spinosad)	Success 0,02 CB	Inseticida (Insecticide)	1,0-1,6 L/ha	14	CB	III	III	Corteva	Espinosinas (Spinosyns)
Espinosade (Spinosad)	Tracer	Inseticida (Insecticide)	10,0-15,0 mL/100 L	14	SC	III	III	Corteva	Espinosinas (Spinosyns)
Espirodiclofeno (Spirodiclofen)	Envidor	Acaricida (Acaricide)	20,0-25,0 mL/100 L	21	SC	III	III	Bayer	Cetoenol (Ketoenols)
Espirodiclofeno (Spirodiclofen)	Esteio	Acaricida (Acaricide)	20,0 a 25,0 mL/100 L	21	SC	Cat 5	III	Ouro Fino	Cetoenol (Ketoenols)
Espirodiclofeno (Spirodiclofen)	Predador	Acaricida (Acaricide)	20,0-25,0 mL/100 L	21	SC	III	III	Helm	Cetoenol (Ketoenols)
Etofenproxi (Etofenprox)	Safety	Inseticida (Insecticide)	30,0-60,0 mL/100 L	7	EC	III	III	Iharabras	Éter difenilico (pyrethroid ether)
Etofenproxi (Etofenprox)	Trebon 100 SC	Inseticida (Insecticide)	10,0-25,0 mL/100 L	7	SC	III	III	Sipcam	Éter difenilico (pyrethroid ether)
Etoxazol (Etoazole)	Borneo	Acaricida (Acaricide)	45,0 mL/100 L	14	SC	II	III	Sumitomo	Difenil oxazolina (Dipheniloxazoline)
Etoxazol (Etoazole)	Smite	Acaricida (Acaricide)	45,0 mL/100 L	14	SC	II	III	Sumitomo	Difenil oxazolina (Dipheniloxazoline)

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Fenpiroximato (Fenpyroximate)	Fujimite 50 SC	Acaricida (Acaricide)	100,0 mL/100 L	15	SC	II	I	Nichino	Pirazol (Pyrazole)
Fenpiroximato (Fenpyroximate)	Ortus 50 SC	Acaricida (Acaricide)	100,0 mL/100 L	15	SC	II	II	Nichino	Pirazol (Pyrazole)
Fenpropatrina (Fenpropathrin)	Danimen 300 EC	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-50,0 mL/100 L	28	EC	I	II	Sumitomo	Piretróide (Pyrethroids)
Fenpropatrina (Fenpropathrin)	Meothrin 300	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-50,0 mL/100 L	28	EC	I	II	Sumitomo	Piretróide (Pyrethroids)
Fenpropatrina (Fenpropathrin)	Sumirody 300	Inseticida e Acaricida (Insecticide and Acaricide)	20,0-50,0 mL/100 L	28	EC	I	II	Sumitomo	Piretróide (Pyrethroids)
Flufenoxurom (Flufenoxuron)	Cascade 100	Inseticida e Acaricida (Insecticide and Acaricide)	30,0-50,0 mL/100 L	15	EC	I	II	Basf	Benzoiluréia (Benzoylurea)
Flupiradifurona (Flupyradifurone)	Sivanto Prime 200 SL	Inseticida (Insecticide)	25-40 mL/100L	14	SL	Cat 4	III	Bayer	Butenolida (Butenolide)
Fluxapiroxade + Piraclostrobina (Fluxapyroxad + Pyraclostrobin)	Orkestra SC	Fungicida (Fungicide)	10,0-15,0 mL/100 L	14	SC	III	II	Basf	Carboxamida + Estrobilurina (Carboxamide + Strobilurin)
Fosetil (Fosetyl)	Aliette	Fungicida (Fungicide)	250,0 g/100 L	25	WP	IV	III	Bayer	Fosfonato (Phosphonate)
Fosmete (Phosmet)	Imidan 500 WP	Inseticida (Insecticide)	25,0-150,0 g/100 L	20	WP	I	III	Cross Link	Organofosforado (Organophosphates)
Hexitiazoxi (Hexythiazox)	Savey WP	Acaricida (Acaricide)	3,0 g/100 L	30	WP	II	II	Du Pont	Tiazolidinacarboxamida (Thiazolidine)
Hexitiazoxi (Hexythiazox)	Viriato	Acaricida (Acaricide)	3,0 g/100L	30	SP	Cat 5	II	Tradecorp	Tiazolidinacarboxamida (Thiazolidine)
Hidróxido de Cobre (Copper hydroxide)	Auge	Fungicida (Fungicide)	2,0-3,0 L/ha	s/r	SC	III	III	Oxiquímica	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Contact	Fungicida (Fungicide)	0,85-1,7 kg/ha ou 200,0 g/100 L	s/r	WP	IV	III	Mitsui	Inorgânico (Inorganic)



## 1. Lista de inseticidas, acaricidas e fungicidas (1- List of insecticides, acaricides and fungicides)

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Hidróxido de Cobre (Copper hydroxide)	Ellect	Fungicida (Fungicide)	2,0-3,0 kg/ha	s/r	WP	I	III	Oxiquímica	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Garant BR	Bactericida e Fungicida (Bactericide and Fungicide)	0,85-1,7 kg/ha ou 200,0 g/100 L	s/r	WP	IV	II	Mitsui	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Garra 450 WP	Fungicida (Fungicide)	100,0-150,0 g/100 L	7	WP	I	III	Oxiquímica	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Kentan 40 WG	Fungicida (Fungicide)	75,0-100,0 g/100 L	s/r	WG	I	II	Isagro	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Kocide WDG Bioactive	Bactericida e Fungicida (Bactericide and Fungicide)	75,0-125,0 g/100 L	s/r	WG	III	II	Mitsui	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Supera	Fungicida (Fungicide)	2,0-3,0 L/ha	s/r	SC	III	III	Oxiquímica	Inorgânico (Inorganic)
Hidróxido de Cobre (Copper hydroxide)	Tutor	Fungicida (Fungicide)	175,0-225,0 g/100 L	s/r	WG	II	III	Basf	Inorgânico (Inorganic)
Imazalil (Imazalil)	Imazacure 500 EC	Fungicida (Fungicide)	200,0 mL/100 L	3	EC	I	II	Agrovant	Imidazol (Imidazole)
Imazalil (Imazalil)	Magnate 500 EC	Fungicida (Fungicide)	200,0 mL/100 L	3	EC	I	II	Adama	Imidazol (Imidazole)
Imidacloprido (Imidacloprid)	Bamako 700 WG	Inseticida (Insecticide)	5,0 g/100 L ou 0,5-1 g/planta	21	WG	I	III	Rotam	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Cigaral	Inseticida (Insecticide)	5,0 g/100 L	21	WP	I	III	Anasac	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Evidence 700 WG	Inseticida (Insecticide)	5,0-10,0 g/100 L	21	WG	IV	III	Bayer	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Galeão	Inseticida (Insecticide)	5,0-10,0 g/100 L	21	WG	I	III	Helm	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Granary	Inseticida (Insecticide)	5,0-10,0 g/100 L	21	WG	III	III	Albaugh	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Imaxi 700 WG	Inseticida (Insecticide)	5,0 g/100 L ou 0,5-1 g/planta	21	WG	I	III	Rotam	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Imidacloprid 350 SC	Inseticida (Insecticide)	9,0-11,0 mL/100 L	21	SC	III	III	Rotam	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Imidacloprid 700 WG HELM	Inseticida (Insecticide)	5,0-10,0 g/100 L	21	WG	I	III	Helm	Neonicotinóide (Neonicotinoid)

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Imidacloprido (Imidacloprid)	Imidacloprid Nortox	Inseticida (Insecticide)	7,0-15,0mL/100 L	21	SC	II	II	Nortox	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Imidagold 700 WG	Inseticida (Insecticide)	5,0-10,0 g/100 L	21	WG	III	III	UPL	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Provado 200 SC	Inseticida (Insecticide)	15,0-50,0 mL/100 L	21	SC	III	III	Bayer	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Rotaprid 350 SC	Inseticida (Insecticide)	9,0-11,0 mL/100 L	21	SC	III	III	Rotam	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Warrant 700 WG	Inseticida (Insecticide)	5,0 g/100 L	21	WG	III	III	FMC	Neonicotinóide (Neonicotinoid)
Imidacloprido (Imidacloprid)	Winner	Inseticida (Insecticide)	2,5-5,0 mL/planta	21	SL	II	III	Bayer	Neonicotinóide (Neonicotinoid)
Malationa (Malathion)	Malathion 1000 EC FMC	Inseticida (Insecticide)	150,0-200,0 mL/100 L	7	EC	I	II	FMC	Organofosforado (Organophosphates)
Malationa (Malathion)	Malathion Prentiss	Inseticida (Insecticide)	300,0-400,0 mL/100 L	7	EC	IIII	III	Prentiss	Organofosforado (Organophosphates)
Malationa (Malathion)	Primum	Acaricida e Inseticida (Acaricide and Insecticide)	150,0 - 200,0 mL/100L	7	EC	Cat 4	II	Prentiss	Organofosforado (Organophosphates)
Óleo mineral (Mineral oil)	Agefix	Inseticida e Acaricida (Insecticide and Acaricide)	1000,0-2000,0 mL/100 L	s/r	EC	III	III	Energis 8	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Argenfrut RV	Inseticida e Fungicida (Insecticide and Fungicide)	1000,0 mL/100 L	s/r	EC	III	III	Agrovant	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Assist	Inseticida, Fungicida e Adjuvante (Insecticide, Fungicide and Adjuvant)	1.000,0- 2.000,0 mL/100 L	s/r	EC	IV	IV	Basf	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Dytrol	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0- 2.000,0 mL/100 L	s/r	EC	IV	III	Ameribrás	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)

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Óleo mineral (Mineral oil)	Miner'Oil	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0-1.500,0 mL/100 L	s/r	EC	IV	III	Ameribrás	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Oppa BR EC	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0-1.500,0 mL/100 L	s/r	EC	IV	III	Petrobrás	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Orix	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0-1.500,0 mL/100 L	s/r	EW	IV	IV	Oxiquímica	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo mineral (Mineral oil)	Purespray 15E	Acaricida (Acaricide)	1000,0 mL/100 L	s/r	SO	IV	III	Quantiq	Hidrocarbonetos alifáticos (Aliphatic hydrocarbons)
Óleo vegetal (Vegetable oil)	Agro-Oil	Inseticida e Adjuvante (Insecticide and Adjuvant)	2.000,0-3.000,0 mL/100 L	s/r	EC	IV	IV	Vittia	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Fersoil	Inseticida e Adjuvante (Insecticide and Adjuvant)	500-1000,00 mL/100 L	s/r	EC	IV	IV	Ameribrás	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Graxol	Inseticida (Insecticide)	2.000,0 mL/100 L	s/r	EC	IV	IV	Agrária	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Natur'l Óleo	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0-3.000,0 mL/100 L	s/r	EW	IV	IV	Stoller	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Quimióleo	Inseticida e Adjuvante (Insecticide and Adjuvant)	1.000,0-2.000,0 mL/100 L	s/r	EW	IV	IV	Fênix Agro-Pecus	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Veget Oil	Inseticida (Insecticide)	1.000,0 mL/100 L	s/r	EC	IV	IV	Oxiquímica	Ésteres de ácidos graxos (Fatty acid esters)
Óleo vegetal (Vegetable oil)	Vision	Inseticida e Adjuvante (Insecticide and Adjuvant)	500-1000,00 mL/100 L	s/r	EC	IV	IV	Oxiquímica	Ésteres de ácidos graxos (Fatty acid esters)

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Óleo vegetal (Vegetable oil)	Óleo Vegetal Nortox	Inseticida e Adjuvante (Insecticide and Adjuvant)	2.000,0 mL/100 L	s/r	EC	IV	IV	Nortox	Ésteres de ácidos graxos (Fatty acid esters)
Oxicloreto de cobre (Copper oxychloride)	Agrinose	Fungicida e Bactericida (Fungicide and Bactericide)	400,0 g/100 L	-	WP	III	II	Sumitomo	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cobox DF	Fungicida (Fungicide)	250,0 g/100 L	7	WG	IV	III	Mitsui	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cobre Fersol	Fungicida (Fungicide)	300,0 g/100 L	-	WP	IV	III	Ameribrás	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cosuper	Fungicida (Fungicide)	150-200,0 mL/100 L ou 2-2,5 L/ha	-	SC	III	III	Oxiquímica	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cuprital 700	Fungicida e Bactericida (Fungicide and Bactericide)	75,0-100,0 mL/100 L	s/r	SC	II	III	Tradecorp	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cuprocarb 350	Fungicida (Fungicide)	200,0-300,0 g/100 L	7	WP	IV	III	Oxiquímica	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cuprocarb 500	Fungicida (Fungicide)	150,0-200,0 g/100 L	-	WP	IV	III	Oxiquímica	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cupronil	Fungicida (Fungicide)	200,0 g/ 100L	s/r	WP	Cat 5	III	Funguran Giulini	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Cupuran 500 PM	Fungicida e Bactericida (Fungicide and Bactericide)	3 kg/ha	-	WP	IV	III	Mitsui	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Difere	Fungicida (Fungicide)	3,0-4,0 L/ha	-	SC	III	III	Oxiquímica	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Fanavid 85	Fungicida (Fungicide)	300,0-450,0 g/100 L	7	WP	III	III	Rizzi	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Fanavid Flowable	Fungicida (Fungicide)	300,0-450,0 mL/100 L	7	SC	IV	III	Rizzi	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Fungitol Azul	Fungicida (Fungicide)	275,0 g/100 L	7	WP	IV	III	Mitsui	Inorgânico (Inorganic)

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Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Oxicloreto de cobre (Copper oxychloride)	Fungitol Verde	Fungicida e Bactericida (Fungicide and Bactericide)	150,0 g/100 L	7	WP	IV	III	Mitsui	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Funguran Verde	Fungicida (Fungicide)	100,0 g/100 L	-	WP	IV	II	Funguran Giulini	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Neoram 37.5 WG	Fungicida (Fungicide)	300,0 g/100 L	-	WG	I	II	Isagro	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Reconil	Fungicida e Bactericida (Fungicide and Bactericide)	200,0 g/100 L	-	WP	IV	III	Albaugh	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Recop	Fungicida (Fungicide)	250,0 g/100 L	-	WP	IV	III	Albaugh	Inorgânico (Inorganic)
Oxicloreto de cobre (Copper oxychloride)	Status	Fungicida (Fungicide)	150,0-200,0 mL/100 L ou 2-2,5 L/ha	-	SC	III	III	Oxiquímica	Inorgânico (Inorganic)
Óxicloreto de cobre + Hidróxido de cobre (Copper oxychloride + Copper hydroxide)	Airone	Fungicida e Bactericida (Fungicide and Bactericide)	75-200 mL/100 L	s/r	SC	III	III	Isagro	Inorgânico (Inorganic)
Óxido cuproso (Cuprous oxide)	Cobre Atar BR	Fungicida e Bactericida (Fungicide and Bactericide)	150,0 g/100 L	7	WP	IV	III	Albaugh	Inorgânico (Inorganic)
Óxido cuproso (Cuprous oxide)	Redshield 750	Fungicida (Fungicide)	100,0 g/100 L	-	WP	III	III	Agrovant	Inorgânico (Inorganic)
Oxymatrine (Oxymatrine)	Matrine	Acaricida biológico (Biological acaricide)	75,0-100,0 mL/100 L	-	SL	IV	IV	Dinagro	Alcalóide matridínico (Matridin Alkaloid)
Piraclostrobina (Pyraclostrobin)	Comet	Fungicida (Fungicide)	10,0-15,0 mL/100 L	14	EC	II	II	Basf	Estrobilurina (Strobilurin)
Piridabem (Pyridaben)	Sanmite EW	Inseticida e Acaricida (Insecticide and Acaricide)	50,0-100,0 mL/100 L	7	EW	III	III	Iharabras	Piridazinona (Pyridazinone)
Pirimetanil (Pyrimethanil)	Mythos	Fungicida (Fungicide)	1,0-1,5 L/ha	14	SC	III	II	Bayer	Anilino pirimidina (Anilinopyrimidines)

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Piriproxifem (Pyriproxyfen)	Blade	Inseticida (Insecticide)	6,25 mL/100 L	14	EC	I	II	Tradecorp	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Cordial 100	Inseticida (Insecticide)	6,25-75,0 mL/100 L	14	EC	I	II	Sumitomo	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Cougar	Inseticida (Insecticide)	6,25-100,0 mL/100 L	14	EC	I	II	Alta	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Epingle 100	Inseticida (Insecticide)	6,25-100,0 mL/100 L	14	EC	I	II	Sumitomo	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Piriproxifen Nortox	Inseticida (Insecticide)	25-50 mL/100 L	14	EC	I	II	Nortox	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Porcel 100 EC	Inseticida (Insecticide)	6,25-100,0 mL/100 L	14	EC	II	II	Rotam	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Piriproxifem (Pyriproxyfen)	Tiger 100 EC	Inseticida (Insecticide)	6,25-100,0 mL/100 L	14	EC	I	II	Sumitomo	Éter piridiloxipropílico (Pyridyloxypropyl ether)
Propargito (Propargite)	Omite 720 EC	Acaricida (Acaricide)	100,0 mL/100 L	7	EC	I	II	UPL	Sulfito de alquila (Alkyl sulphite)
Sulfoxaflor (Sulfoxaflor)	Verter SC	Inseticida (Insecticide)	0,1-06 L/ha	7	SC	III	III	Corteva	Sulfoxaminas (Sulfoximines)
Tebuconazol (Tebuconazole)	AUG 137	Fungicida (Fungicide)	60,0 mL/100 L	20	EC	I	II	Avgust	Triazol (Triazole)
Tebuconazol (Tebuconazole)	Keyzol EC	Fungicida (Fungicide)	60,0 mL/100 L	20	EC	I	II	Avgust	Triazol (Triazole)
Tebuconazol (Tebuconazole)	Produtorbr	Fungicida (Fungicide)	75,0 mL/100 L	20	EC	I	II	Ouro Fino	Triazol (Triazole)
Tebufenozida (Tebufenozide)	Mimic 240 SC	Inseticida (Insecticide)	40,0-50,0 mL/100 L	7	SC	IV	III	Iharabras	Diacilhidrazina (Diacylhydrazine)
Teflubenzurom (Teflubenzuron)	Nomolt 150	Inseticida (Insecticide)	25-30 mL/100 L	28	SC	IV	II	Basf	Benzoiluréia (benzoylurea)
Tiabendazol (Thiabendazole)	Tecto SC	Fungicida (Fungicide)	1030,0 mL/100 L	-	SC	III	II	Syngenta	Benzimidazol (Benzimidazole)
Tiametoxam (Thiamethoxam)	Actara 250 WG	Inseticida (Insecticide)	20,0 ou 3,0 g/planta	14fol.-180Tron.	WG	III	III	Syngenta	Neonicotinóide (Neonicotinoid)
Trifloxistrobina (Trifloxystrobin)	Flint 500 WG	Fungicida (Fungicide)	10,0 g/100 L	14	WG	III	II	Bayer	Estrobilurina (Strobilurin)

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Trifloxistrobina + Tebuconazol (Trifloxystrobin + Tebuconazole)	Nativo	Fungicida (Fungicide)	0,6-0,8 L/ha	5	SC	III	II	Bayer	Estrobilurina + Triazol (Strobilurin + Triazole)
Zeta-cipermetrina (Zeta-cypermethrin)	Mustang 350 EC	Inseticida (Insecticide)	5,0-10,0 mL/100 L	3	EC	II	I	FMC	Piretróide (Pyrethroids)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Carfentrazona-etílica (Carfentrazone-ethyl)	Affinity 400 EC	Herbicida (Herbicide)	75,0-125,0 mL/ha+0,5% óleo Mineral	15	EC	II	II	FMC	Triazolona (Triazolone)
Carfentrazona-etílica (Carfentrazone-ethyl)	Aurora	Herbicida (Herbicide)	75,0-125,0 mL/ha+0,5% óleo Mineral	15	EC	II	II	FMC	Triazolona (Triazolone)
Dibrometo de Diquate (Diquat)	Egan	Herbicida (Herbicide)	1,5 - 2,5 L/ha	14	SL	Cat 3	II	Albaugh	Bipiridílio (Bipyridylium)
Dibrometo de Diquate (Diquat)	Helmoquat	Herbicida (Herbicide)	1,5-2,5 L/ha	14	SL	I	II	Helm	Bipiridílio (Bipyridylium)
Dibrometo de Diquate (Diquat)	Offer 200 SL	Herbicida (Herbicide)	1,5 - 2,5 L/ha	14	SL	Cat 3	II	Yonon	Bipiridílio (Bipyridylium)
Dibrometo de Diquate (Diquat)	Reglone	Herbicida (Herbicide)	1,5-2,5 L/ha	14	SL	I	II	Syngenta	Bipiridílio (Bipyridylium)
Dibrometo de Diquate (Diquat)	Spraykill	Herbicida (Herbicide)	1,5 - 2,5 L/ha	14	SL	Cat 3	II	Rainbow	Bipiridílio (Bipyridylium)
Diurum (Diuron)	Abone	Herbicida (Herbicide)	3,2-6,4 L/ha	60	SC	III	II	Albaugh	Uréia (Urea)
Diurum (Diuron)	Diuron Fersol 500 SC	Herbicida (Herbicide)	1,8-3,5 kg/ha	60	SC	II	II	Ameribrás	Uréia (Urea)
Diurum (Diuron)	Diuron Nortox	Herbicida (Herbicide)	2,0-4,0 L/ha	60	WP	III	II	Nortox	Uréia (Urea)
Diurum (Diuron)	Diuron Nortox 500 SC	Herbicida (Herbicide)	3,2-6,4 L/ha	60	SC	III	II	Nortox	Uréia (Urea)
Diurum (Diuron)	Herburon 500 BR	Herbicida (Herbicide)	3,2-6,4 L/ha	60	SC	III	II	Adama	Uréia (Urea)
Diurum (Diuron)	Karmex	Herbicida (Herbicide)	2,0-4,0 kg/ha	60	WG	III	II	Adama	Uréia (Urea)
Flumioxazina (Flumioxazin)	Flumyzin 500	Herbicida (Herbicide)	50,0-240,0 g/ha	7	WP	II	III	Sumitomo	Ciclohexenodicarboximida (Cyclohexenodicarboximide)
Flumioxazina (Flumioxazin)	Flumyzin 500 SC	Herbicida (Herbicide)	50,0-240,0 mL/ha	7	SC	IV	III	Sumitomo	Ciclohexenodicarboximida (Cyclohexenodicarboximide)
Flumioxazina (Flumioxazin)	Sumisoya	Herbicida (Herbicide)	50,0-240,0 g/ha	7	WP	II	III	Sumitomo	Ciclohexenodicarboximida (Cyclohexenodicarboximide)



## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Flumioxazina (Flumioxazin)	Sumisoya 500 SC	Herbicida (Herbicide)	50,0-240,0 mL/ha	7	SC	IV	III	Sumitomo	Ciclohexenodicarboximida (Cyclohexenodicarboximide)
Flumioxazina (Flumioxazin)	Sumyzin 500 SC	Herbicida (Herbicide)	50,0-240,0 mL/ha	7	SC	IV	III	Sumitomo	Ciclohexenodicarboximida (Cyclohexenodicarboximide)
Glifosato (Glyphosate)	Gliforte	Herbicida (Herbicide)	0,5-3,0 L/ha	30	SP	II	III	Tundra	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Amônio (Glyphosate)	Glifocopa 720 WG	Herbicida (Herbicide)	250,0-1750,0 g/100 L	30	WG	Cat 5	III	Copalliance	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Amônio (Glyphosate)	Glifosato 720 WG Nortox	Herbicida (Herbicide)	0,5-2,5 kg/ha	30	WG	Cat 5	III	Nortox	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Amônio (Glyphosate)	Roundup Original Mais	Herbicida (Herbicide)	1,0-4,5 L/ha	30	SL	N/C	III	Monsanto	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Amônio (Glyphosate)	Roundup Ultra	Herbicida (Herbicide)	0,5-3,5 L/ha	30	WG	Cat 4	III	Monsanto	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Amônio (Glyphosate)	Zafera	Herbicida (Herbicide)	0,75-3,5 L/ha	30	WG	III	III	Alta	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	GLI-UP 480 SL	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	III	III	Cropchem	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	GLI-UP 720 WG	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	WG	III	III	Cropchem	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Atanor	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Atar	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Atar 48	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato CCAB 480 SL	Herbicida (Herbicide)	0,75-5,0 L/ha	30	SL	II	III	CCAB Agro	Glicina substituída (Glycine derivatives)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato CCAB BR	Herbicida (Herbicide)	0,5-6,0 L/ha	30	AL	I	III	CCAB Agro	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato CHD'S	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	N/C	III	CHDS do Brasil	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato IPA 480 Rainbow	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	I	III	Rainbow	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Nortox	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Nortox	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Nortox 480 BR	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	III	III	Nortox	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Nortox 480 SL	Herbicida (Herbicide)	2,0-6,0 L/ha	30	SL	III	III	Nortox	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifosato Nortox SL	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	Cat 5	III	Nortox	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glifoxin	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	III	III	Helm	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glister	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	II	III	Sinon	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glizmax Prime	Herbicida (Herbicide)	0,75-4,5 L/ha	30	SL	III	III	Corteva	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glyphotal TR	Herbicida (Herbicide)	1,0-4,5 L/ha	30	SL	II	III	UPL	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Glyphotal WG	Herbicida (Herbicide)	0,75-3,0 kg/ha	30	WG	III	III	UPL	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Mademato	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	I	III	DIPIL	Glicina substituída (Glycine derivatives)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Glifosato - Sal de Isopropilamina (Glyphosate)	Nufosate	Herbicida (Herbicide)	0,5-6,0 L/ha	30	SL	III	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Nufosate BR	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	II	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Nufosate WG	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	SL	III	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Pilarsato	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	I	III	Pilarquim	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Pocco 480 SL	Herbicida (Herbicide)	1,0-12 L/ha	30	SL	Cat 4	III	Prentiss	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Potensato	Herbicida (Herbicide)	0,5-5,0 L/ha	30	SL	III	III	Stockton	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Preciso	Herbicida (Herbicide)	0,5-3,5 L/ha	30	WG	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Ridover	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	WG	III	III	Rainbow	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Roundup WG	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	WG	III	III	Monsanto	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Shadow	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Shadow 480 SL	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	III	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Soldier	Herbicida (Herbicide)	0,50-3,5 kg/ha	30	WG	III	III	Rainbow	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Stinger WG	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	WG	III	III	Monsanto	Glicina substituída (Glycine derivatives)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Glifosato - Sal de Isopropilamina (Glyphosate)	Sumô	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	III	III	Pilarquim	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Teardown	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	II	III	Sinon	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Templo	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	III	III	Ouro Fino	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Trop	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	III	III	Adama	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Isopropilamina (Glyphosate)	Tupan 720 WG	Herbicida (Herbicide)	0,5-3,5 kg/ha	30	WG	III	III	Cropchem	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio (Glyphosate)	Preciso xK	Herbicida (Herbicide)	0,66 - 3,95L/ha	30	SL	Cat 5	III	Albaugh	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio (Glyphosate)	Roundup Transorb R	Herbicida (Herbicide)	1,0-4,5 L/ha	30	SL	Cat 5	III	Monsanto	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio (Glyphosate)	Xeque Mate	Herbicida (Herbicide)	0,7-4,2 L/ha	30	SL	III	III	Iharabras	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio (Glyphosate)	Zapp QI 620	Herbicida (Herbicide)	0,7-4,3 L/ha	30	SL	N/C	III	Syngenta	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio + Sal de Isopropilamina (Glyphosate + Glyphosate)	Mojjave	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	Cat 5	III	Ouro Fino	Glicina substituída (Glycine derivatives)
Glifosato - Sal de Potássio + Sal de Isopropilamina (Glyphosate + Glyphosate)	MourãoBR	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	Cat 5	III	Ouro Fino	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Astral	Herbicida (Herbicide)	0,5-6,0 L/ha	30	SL	I	III	Prentiss	Glicina substituída (Glycine derivatives)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Glifosato -Sal de Isopropilamina (Glyphosate)	Credit	Herbicida (Herbicide)	0,5-6,0 L/ha	30	SL	III	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Crucial	Herbicida (Herbicide)	1,0-4,0 L/ha	30	SL	I	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Gli Ouro	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	III	III	Ouro Fino	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Gliato	Herbicida (Herbicide)	1,0-5,0 L/ha	30	SL	II	III	Prentiss	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Glifosato 480 Agripec	Herbicida (Herbicide)	1,0-6,0 L/ha	30	SL	I	III	Sumitomo	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Glifosato 480 SL Alamos	Herbicida (Herbicide)	0,5-6,0 L/ha	30	SL	I	III	Alamos	Glicina substituída (Glycine derivatives)
Glifosato -Sal de Isopropilamina (Glyphosate)	Glifosato Alta 480 SL	Herbicida (Herbicide)	0,5-12,0 L/ha	30	SL	III	III	Alta	Glicina substituída (Glycine derivatives)
Glufosinato - Sal de Amônio (Glufosinate)	Fascinate BR	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 5	III	UPL	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Finale	Herbicida (Herbicide)	2,0 L/ha	40	SG	I	III	Basf	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Gamonium	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 4	III	Sinon	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Glucare	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 5	III	Rainbow	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Glufosinate-ammonium 200 SL Yonon	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 5	III	Yonon	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Glufosinato Nortox	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 5	III	Nortox	Homoalanina substituída (Homoalanine)

## 2. Lista de herbicidas (2- List of herbicides)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Glufosinato - Sal de Amônio (Glufosinate)	Off Road	Herbicida (Herbicide)	2,0 L/ha	40	SL	Cat 4	III	Ouro Fino	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Patrol SL	Herbicida (Herbicide)	2,0 L/ha	40	SL	I	III	Adama	Homoalanina substituída (Homoalanine)
Glufosinato - Sal de Amônio (Glufosinate)	Trunfo	Herbicida (Herbicide)	1,5 L/ha	40	SL	N/C	III	UPL	Homoalanina substituída (Homoalanine)
Indaziflam (Indaziflan)	Alion	Herbicida (Herbicide)	150-200 mL/ha	35	SC	III	III	Bayer	Alquilazina (Alkyl Azide)
Saflufenacil (Saflufenacil)	Heat	Herbicida (Herbicide)	35-70 g/ha	7	WG	III	III	BASF	Uracila (Uracyl)
Sulfentrazone (Sulfentrazone)	Boral 500 SC	Herbicida (Herbicide)	1,2-1,4 L/ha	200	SC	Cat 4	II	FMC	Triazolona (Triazolone)
Sulfentrazone + Diuron (Sulfentrazone + Diuron)	Stone	Herbicida (Herbicide)	1,5-2,8 L/ha	200	SC	Cat 4	II	FMC	Triazolona + Uréia (Triazolinone + Urea)

### 3. Lista de hormônios vegetais e ativadores de plantas (3- List of plant hormones)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
Acibenzolar - S - Metílico (acibenzolar-S-methyl)	Bion 500 WG	Ativador de Plantas (Plant Activator)	80,0 g/100 L	s/r	WG	III	III	Syngenta	Benzotiadiazol (benzothiadiazole)
Ácido 4-indol-3- ilbutírico + Ác. giberélico (GA3) + Cinetina (4-indol-3-ylbutyric acid + gibberellic acid + kinetin)	Stimulate	Regulador de crescimento (Growth regulator)	1 L/ha	s/r	SL	IV	IV	Stoller	Ácido indolalcanóico + Giberelina + Citocinina (Indolebutyric acid + gibberellin + cytokinin)
Ácido giberélico (Gibberellic acid)	Pro-Gibb	Regulador de crescimento (Growth regulator)	400 g/2000 L	s/r	SP	II	IV	Sumitomo	Giberelina (Gibberellin)
Ácido giberélico (Gibberellic acid)	Progibb 400	Regulador de crescimento (Growth regulator)	6,25 g/100 L	s/r	WG	III	IV	Sumitomo	Giberelina (Gibberellin)

#### 4. Lista de feromônios e formicidas (4- List of pheromones and ant bait)

Ingrediente Ativo (Active ingredient)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Grupo Químico (Chemical group)
(E)-8-Dodecenol + Acetato de (E)-8- dodecenila (E)-8-Dodecenol + (E)-8-Dodecenyl acetate)	Ferocitrus Furão	Feromônio (Pheromone)	1 armadilha/10 há ou 1 armadilha/3000- 3500 Plantas	-	FF	IV	IV	Coopercitrus	Álcool insaturado + Acetato insaturado (Unsaturated alcohol + Unsaturated acetate)
Fipronil (Fipronil)	Blitz	Formicida (Formicide)	5,0-10,0 g/m <sup>2</sup>	nd	GB	IV	II	BASF	Pirazol (Pyrazole)
Sulfluramida (Sulfluramid)	Fluramim	Formicida (Formicide)	6,0-30,0 g/m <sup>2</sup>	nd	GB	IV	II	Adama	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Sulfluramida (Sulfluramid)	Formicida Granulado Dinagro-S	Formicida (Formicide)	6,0-10,0 g/m <sup>2</sup>	nd	GB	IV	III	Dinagro	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Sulfluramida (Sulfluramid)	Grão Verde AG	Formicida (Formicide)	6,0-10,0 g/m <sup>2</sup>	nd	GB	III	III	DIPIL	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Sulfluramida (Sulfluramid)	Isca Formicida Atta Mex-S	Formicida (Formicide)	6,0-10,0 g/m <sup>2</sup>	nd	GB	IV	III	Unibrás	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Sulfluramida (Sulfluramid)	Mirex-S	Formicida (Formicide)	6,0-20,0 g/m <sup>2</sup>	nd	GB	IV	III	Atta Kill	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Sulfluramida (Sulfluramid)	Mirex-S 2	Formicida (Formicide)	6,0-10,0 g/m <sup>2</sup>	nd	GB	IV	III	Atta Kill	Sulfonamida fluoroalifática (fluoroaliphatic sulfonamide)
Trimedlure (Trimedlure)	Bio Trimedlure	Feromônio (Pheromone)	1 armadilha/ha	-	GE	IV	-	Bio Controle	Ésteres saturados (Saturated esters)
Trimedlure (Trimedlure)	Isclure TML Plug	Feromônio (Pheromone)	1 armadilha/ha	-	GE	-	-	ISCA tecnologias	Ésteres saturados (Saturated esters)



## 5. Lista de agentes biológicos (5- List of biological agents)

Agente Biológico (Biological agent)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Classificação (Classification)
Bacillus amyloliquefaciens	Duravel	Fungicida Microbiológico (Microbiological Fungicide)	0,5-1,0 kg/ha	s/r	WP	III	IV	Basf	Biológico (Biological)
Bacillus amyloliquefaciens	Eco-Shot	Fungicida Microbiológico (Microbiological Fungicide)	0,1-4,0 kg	s/r	WG	III	IV	Iharabras	Biológico (Biological)
Bacillus amyloliquefaciens	FX Protection	Fungicida Microbiológico (Microbiological Fungicide)	75,0 - 500,0 mL/ha	-	SC	Cat 5	IV	Bioma	
Bacillus amyloliquefaciens	No-Nema	Nematicida Microbiológico (Microbiological Nematicide)	0,5-4,0 L/ha	s/r	SC	IV	IV	Vittia	Biológico (Biological)
Bacillus methylotrophicus	Onix OG	Nematicida Microbiológico (Microbiological Nematicide)	0,6 L/ha	s/r	SC	IV	IV	Lallemand	Biológico (Biological)
Bacillus pumilus	BTP 005-19	Fungicida Microbiológico (Microbiological Fungicide)	50,0-800,0 mL/ha	s/r	SC	Cat 5	IV	Biotrop	
Bacillus pumilus	Caravan	Fungicida Microbiológico (Microbiological Fungicide)	50,0-800,0 mL/ha	s/r	SC	Cat 5	IV	Koppert	
Bacillus subtilis	Bio-imune	Fungicida Microbiológico (Microbiological Fungicide)	0,5-8,0 L/ha	s/r	SC	IV	IV	Vittia	Biológico (Biological)
Bacillus subtilis	Biobac	Fungicida, Bactericida e Nematicida microbiológico (Fungicide, Bactericide and Microbiological Nematicide)	0,8-4,0 kg/100 L	s/r	WP	IV	IV	UPL	Biológico (Biological)

**5. Lista de agentes biológicos (5- List of biological agents)**

Agente Biológico ( <i>Biological agent</i> )	Produto registrado ( <i>Product name</i> )	Classe ( <i>Classification</i> )	Dose registro ( <i>Dosage</i> )	Carência - dias ( <i>Pre Harverst Interval - days</i> )	Formulação ( <i>Formulate</i> )	Classificação toxicológica ( <i>Toxicological classification</i> )	Classificação ambiental ( <i>Environmental classification</i> )	Registrante ( <i>Company</i> )	Classificação ( <i>Classification</i> )
Bacillus subtilis	Biobaci	Nematicida Microbiológico ( <i>Microbiological Nematicide</i> )	1,5-6,0 L/ha	s/r	SC	IV	IV	Vittia	Biológico ( <i>Biological</i> )
Bacillus subtilis	Furatrop	Fungicida e Nematicida Biológico ( <i>Biological Fungicide and Nematicide</i> )	0,05 - 1,2 L/ha	s/r	SC	N/C	IV	Biotrop	
Bacillus subtilis	Rizos OG	Nematicida Microbiológico ( <i>Microbiological Nematicide</i> )	4,0-8,0 L/ha	s/r	SC	IV	IV	Lallemand	Biológico ( <i>Biological</i> )
Bacillus subtilis	Serenade	Bactericida e Fungicida microbiológico ( <i>Microbiological bactericide and fungicide</i> )	2,0-4,0 L/ha	s/r	SC	III	IV	Bayer	Biológico ( <i>Biological</i> )
Bacillus subtilis + Bacillus licheniformis	Quartzo	Nematicida Microbiológico ( <i>Microbiological Nematicide</i> )	130-200 g/ha	s/r	WS	III	IV	FMC	Biológico ( <i>Biological</i> )
Bacillus subtilis + Bacillus velezensis + Bacillus pumilus	Bombardeiro	Fungicida Microbiológico ( <i>Microbiological Fungicide</i> )	0,2-0,4 L/ha	s/r	SC	Cat 5	IV	Biotrop	
Bacillus subtilis + Bacillus velezensis + Bacillus pumilus	Lastro	Fungicida Microbiológico ( <i>Microbiological Fungicide</i> )	0,2-0,4 L/ha	s/r	SC	Cat 5	IV	Biotrop	
Bacillus thuringiensis	Able	Inseticida Biológico ( <i>Biological Insecticide</i> )	50,0 mL/100 L	s/r	SC	III	IV	Mitsui	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Agree	Inseticida Biológico ( <i>Biological Insecticide</i> )	50,0 g/100 L	s/r	WP	III	IV	Bio Controle	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	BT-Turbo Max	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	0,5-1,0 L/ha	s/r	SC	IV	IV	Vittia	Biológico ( <i>Biological</i> )

## 5. Lista de agentes biológicos (5- List of biological agents)

Agente Biológico ( <i>Biological agent</i> )	Produto registrado ( <i>Product name</i> )	Classe ( <i>Classification</i> )	Dose registro ( <i>Dosage</i> )	Carência - dias ( <i>Pre Harverst Interval - days</i> )	Formulação ( <i>Formulate</i> )	Classificação toxicológica ( <i>Toxicological classification</i> )	Classificação ambiental ( <i>Environmental classification</i> )	Registrante ( <i>Company</i> )	Classificação ( <i>Classification</i> )
Bacillus thuringiensis	Bac Control Max EC	Inseticida Biológico ( <i>Biological Insecticide</i> )	22,0 a 27,0 mL/100 L	s/r	EC	IV	IV	Vector Control	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Bac-Control WP	Inseticida Biológico ( <i>Biological Insecticide</i> )	50,0 g/100 L	s/r	WP	IV	IV	Vector Control	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	BtControl	Inseticida Biológico ( <i>Biological Insecticide</i> )	500,0-750,0 g/ha	s/r	SC	IV	IV	Simbiose	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Costar	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	40-60 g/100 L	s/r	WG	I	IV	Mitsui	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Crystal	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	1,0 L/ha	s/r	SC	IV	IV	Lallemand	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Dipel	Inseticida Biológico ( <i>Biological Insecticide</i> )	1-1,5 L/2000 L	s/r	SC	IV	IV	Sumitomo	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Dipel WG	Inseticida Biológico ( <i>Biological Insecticide</i> )	25,0-37,5 g/100 L	s/r	WG	II	IV	Sumitomo	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Dipel WP	Inseticida Biológico ( <i>Biological Insecticide</i> )	50,0 g/100 L	s/r	WP	II	IV	Sumitomo	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Helymax EC	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	33-40,5 mL/100 L	s/r	EC	IV	IV	Ballagro	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Thuricide	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	30,0 g/100 L	s/r	WP	IV	IV	Bio Controle	Biológico ( <i>Biological</i> )
Bacillus thuringiensis	Thuricide SC	Inseticida Microbiológico ( <i>Microbiological Insecticide</i> )	1000-2000 mL/ha	s/r	SC	II	IV	Mitsui	Biológico ( <i>Biological</i> )

## 5. Lista de agentes biológicos (5- List of biological agents)

Agente Biológico (Biological agent)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Classificação (Classification)
Beauveria bassiana	Ballvéria	Inseticida Microbiológico (Microbiological Insecticide)	0,15-8,0 kg/ha	s/r	WP	IV	IV	Ballagro	Biológico (Biological)
Beauveria bassiana	BeauveControl	Inseticida Microbiológico (Microbiological Insecticide)	375-4000 g/ha	s/r	WP	IV	IV	Simbiose	Biológico (Biological)
Beauveria bassiana	Biosparta	Inseticida e Acaricida microbiológico (Insecticide and Microbiological acaricide)	0,34 a 3,64 kg/ha	s/r	WP	Cat 5	IV	Biotrop	
Beauveria bassiana	Bovemax EC	Inseticida Biológico (Biological Insecticide)	1,5-2,0 L/ha	s/r	EC	IV	IV	Novozymes	Biológico (Biological)
Beauveria bassiana	Boveril WP PL 63	Inseticida Microbiológico (Microbiological Insecticide)	2,0-20 kg/ha	s/r	WP	III	IV	Koppert	Biológico (Biological)
Beauveria bassiana	Bovéria-Turbo	Inseticida e Acaricida microbiológico (Insecticide and Microbiological acaricide)	0,4 a 4,3 kg/ha	s/r	WP	IV	IV	Vittia	Biológico (Biological)
Beauveria bassiana	Granada	Inseticida e Acaricida microbiológico (Insecticide and Microbiological acaricide)	75-500 g/ha	s/r	WP	IV	IV	Lallemand	Biológico (Biological)
Hirsutella thompsonii	SkupaMite	Acaricida microbiológico (Microbiological Acaricide)	1,5-2,5 L/ha	s/r	SL	III	IV	Maneogene	Biológico (Biological)
Isaria fumosorosea	Challenger	Inseticida Microbiológico (Microbiological Insecticide)	100,0-400,0 mL/100 L	s/r	SC	III	IV	Koppert	Biológico (Biological)

**5. Lista de agentes biológicos (5- List of biological agents)**

Agente Biológico (Biological agent)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Classificação (Classification)
Isaria fumosorosea	IsaControl	Inseticida Microbiológico (Microbiological Insecticide)	0,1-1,0 L/ha	s/r	OD	Cat 5	IV	Simbiose	
Isaria fumosorosea	Octane	Inseticida Microbiológico (Microbiological Insecticide)	1000-1500 mL/ha	s/r	SC	III	IV	Koppert	Biológico (Biological)
Metarhizium anisopliae	Bioatena	Inseticida Microbiológico (Microbiological Insecticide)	0,5-8,0 kg/ha	s/r	WP	Cat 5	IV	Biotrop	
Metarhizium anisopliae	Meta-Turbo SC	Inseticida Microbiológico (Microbiological Insecticide)	1,0-4,0 L/ha	s/r	SC	-	IV	Vittia	Biológico (Biological)
Metarhizium anisopliae	Metarril WP E9	Inseticida Microbiológico (Microbiological Insecticide)	500,0-750,0 g/ha	s/r	WP	IV	IV	Koppert	Biológico (Biological)
Metarhizium anisopliae	Methacontrol	Inseticida Biológico (Biological Insecticide)	1,7-26,7 kg/ha	s/r	WP	IV	IV	Simbiose	Biológico (Biological)
Metarhizium anisopliae	Metiê	Inseticida Microbiológico (Microbiological Insecticide)	0,075-2,0 kg/ha	s/r	WP	IV	IV	Ballagro	Biológico (Biological)
Metarhizium anisopliae + Beauveria bassiana	Bioolimpo	Inseticida Microbiológico (Microbiological Insecticide)	143-214 g/ha	s/r	WP	Cat 5	IV	Biotrop	
Metarhizium anisopliae + Beauveria bassiana	Dobbel	Inseticida Microbiológico (Microbiological Insecticide)	1,0-1,5 L/ha	s/r	SC	IV	IV	Maneogene	Biológico (Biological)
Neoseiulus californicus	Spical	Acaricida biológico (Biological acaricide)	20.000 ácaros/ha	s/r	Ácaros vivos	-	IV	Koppert	Biológico (Biological)
Paecilomyces fumosoroseus	Aptur-PF	Inseticida Microbiológico (Microbiological Insecticide)	1,5-2,0 L/ha	s/r	SL	IV	IV	Maneogene	Biológico (Biological)

## 5. Lista de agentes biológicos (5- List of biological agents)

Agente Biológico (Biological agent)	Produto registrado (Product name)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Formulação (Formulate)	Classificação toxicológica (Toxicological classification)	Classificação ambiental (Environmental classification)	Registrante (Company)	Classificação (Classification)
Paecilomyces lilacinus	Nemakill	Nematicida Microbiológico (Microbiological Nematicide)	1,0-4,0 L/ha	s/r	SL	IV	IV	Maneogene	Biológico (Biological)
Paecilomyces lilacinus	Nemat	Nematicida Microbiológico (Microbiological Nematicide)	100,0-600,0 g/ha	s/r	WP	IV	IV	Ballagro	Biológico (Biological)
Phytoseiulus macropilis	Celta	Acaricida biológico (Biological acaricide)	100.000 ácar./ha	s/r	Ácaros vivos	N/C	IV	Koppert	
Trichoderma asperellum	Bio-Hulk	Fungicida Microbiológico (Microbiological Fungicide)	0,2-0,8 L/ha	s/r	EC	IV	IV	Vittia	Biológico (Biological)
Trichoderma asperellum	Quality	Fungicida Microbiológico (Microbiological Fungicide)	0,1 kg/ha	s/r	WG	III	IV	Lallemand	Biológico (Biological)
Trichoderma asperellum	Tricho-Turbo	Fungicida Microbiológico (Microbiological Fungicide)	0,2-0,8 L/ha	s/r	EC	IV	IV	Vittia	Biológico (Biological)
Trichoderma harzianum	Ecotrich WP	Fungicida Microbiológico (Microbiological Fungicide)	0,15-0,25 kg/ha	s/r	WP	IV	IV	Ballagro	Biológico (Biological)
Trichoderma harzianum	StimuControl	Fungicida Biológico (Biological Fungicide)	1,5-2,5 L/ha	s/r	SC	III	IV	Simbiose	Biológico (Biological)
Trichoderma harzianum	Trichodermil SC 1306	Fungicida e Nematicida Biológico (Biological Fungicide and Nematicide)	0,5-1,0 L/ha	s/r	SC	III	IV	Koppert	Biológico (Biological)
Trichogramma pretiosum	Hunter	Agente Biológico de Controle (Biological Control Agent)	100.000- 750.000 adultos/ha	s/r	Insetos Vivos	-	IV	Koppert	Biológico (Biological)

**6. Lista de defensivos de uso alternativo (6- List of alternative pesticides)**

Produto registrado (Product name)	Composição (Composition)	Classe (Classification)	Dose registro (Dosage)	Carência - dias (Pre Harvest Interval - days)	Grupo Químico (Chemical group)
Calda Bordalesa	Sulfato de cobre + cal virgem + água	Fungicida (Fungicide)	0,6 a 1% / 100 L	-	-
Calda Sulfocálcica	Enxofre + cal virgem + água	Fungicida, Inseticida e Acaricida (Fungicide, Insecticide and Acaricide)	1,0 L / 30-50 L	-	-
Pasta Bordalesa	Sulfato de cobre + cal virgem + água	Fungicida (Fungicide)	Pincelamento	-	-

## ProteCitrus - Produtos para Proteção da Citricultura (*ProteCitrus - Citrus Protection Products*)

<b>Formulação (Formulate)</b>	
CB	Isca Concentrada ( <i>Concentrate bait</i> )
DC	Concentrado Dispersível ( <i>Dispersible Concentrate</i> )
EC	Concentrado Emulsionável ( <i>Emulsifiable concentrate</i> )
ED	Líquido Eletro Aplicável ( <i>Electro-dynamic (liquid)</i> )
EW	Emulsão Óleo em Água ( <i>Emulsion, oil-in-water</i> )
FF	Fumigante em Pastilhas ( <i>Smoke Tablet</i> )
GB	Isca Granulada ( <i>Granular bait</i> )
GE	Gerador de Gás ( <i>Gas generating product</i> )
GR	Granulado ( <i>Granule</i> )
HN	Concentrado Termo Nebulizável ( <i>Hot fogging concentrate</i> )
KN	Concentrado Termo Nebulizável à Frio ( <i>Cold fogging concentrate</i> )
PA	Pasta ( <i>Paste</i> )
SC	Solução Concentrada ( <i>Suspension concentrate</i> )
SG	Granulado Solúvel ( <i>Soluble Granules</i> )
SL	Concentrado Solúvel ( <i>Soluble (liquid) concentrate</i> )
SP	Pó Solúvel ( <i>Soluble powder</i> )
UL	Ultra Baixo Volume ( <i>Ultra-low volume (ULV) liquid</i> )
WG	Granulos Dispersíveis em Água ( <i>Water dispersible granules</i> )
WP	Pó Molhável ( <i>Wettable powder</i> )
WS	Pó para Preparação de Pasta em Água ( <i>Powder for Preparation of Paste in Water</i> )

<b>CLASSIFICAÇÃO DOS PRODUTOS QUANTO A TOXICIDADE (TOXICOLOGICAL CLASSIFICATION)</b>	
<b>TOXICIDADE AO HOMEM (TOXICITY TO MAN)</b>	
Cat 1	Categoria 1 - Produto Extremamente Tóxico - faixa vermelha ( <i>Category 1 - Extremely Toxic Product</i> )
Cat 2	Categoria 2 - Produto Altamente Tóxico - faixa vermelha ( <i>Category 2 - Highly Toxic Product</i> )
Cat 3	Categoria 3 - Produto Moderadamente Tóxico - faixa amarela ( <i>Category 3 - Moderately Toxic Product</i> )
Cat 4	Categoria 4 - Produto Pouco Tóxico - faixa azul ( <i>Category 4 - Low Toxic Product</i> )
Cat 5	Categoria 5 - Produto Improvável de Causar Dano Agudo - faixa azul ( <i>Category 5 - Improbable Product to Cause Acute Damage</i> )
I	Produto extremamente tóxico ( <i>Extremely toxic product</i> )
II	Produto altamente tóxico ( <i>Highly toxic product</i> )
III	Produto mediamente tóxico ( <i>Medium toxic product</i> )
IV	Produto pouco tóxico ( <i>Low toxic product</i> )
N/C	Não classificado - Produto Não Classificado - faixa verde ( <i>Unclassified - Unclassified Product</i> )
<b>PERICULOSIDADE AMBIENTAL (ENVIRONMENTAL DANGEROUSNESS)</b>	
I	Produto altamente perigoso ( <i>Highly product dangerous</i> )
II	Produto muito perigoso ( <i>Very dangerous product</i> )
III	Produto perigoso ( <i>Dangerous product</i> )
IV	Produto tóxico ( <i>Toxic product</i> )
<b>Legenda geral (General caption)</b>	
-	Não Informado ( <i>Not Informed</i> )
nd	Não definido ( <i>No Defenitions</i> )
S/R	Sem Restrição ( <i>No Restrictions</i> )