

PIC LIST - CITRUS INTEGRATED PRODUCTION

1. INSECTICIDES, ACARICIDES AND FUNGICIDES

List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th january 2016

	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harverst Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
1	Abamectin	Abamectin DVA 18 EC	Insecticide/Acaricide/nematicide	15,0-30,0	7	EC	I	II	UPL	Avermectin
		Abamectin Nortox	Insecticide/Acaricide	15,0-30,0	7	EC	III	III	Nortox	Avermectin
		Abamectin Prentiss	Insecticide/Acaricide	20,0-30,0	7	EC	I	III	Prentiss	Avermectin
		Abamex	Insecticide/Acaricide	20,0	7	EC	I	III	Nufarm	Avermectin
		Abamex BR 18	Insecticide/Acaricide	20,0	7	EC	I	III	Nufarm	Avermectin
		Abamit	Insecticide	22,5-30,0	7	EC	I	III	FMC	Avermectin
		Acaramik	Insecticide/Acaricide	15,0-30,0	7	EC	I	III	Rotam	Avermectin
		Batent	Insecticide/Acaricide/nematicide	15,0-30,1	7	EC	I	III	UPL	Avermectin
		Grimectin	Insecticide/Acaricide	15,0-30,0	7	EC	I	III	Rotam	Avermectin
		Kraft 36 EC	Insecticide/Acaricide	7,5-15,0	7	EC	I	II	Cheminova	Avermectin
		Pausato	Insecticide/Acaricide	20,0-30,0	7	EC	I	III	Sinon	Avermectin
		Potenza Sinon	Insecticide/Acaricide	20,0-30,0	7	EC	I	III	Sinon	Avermectin
		Rotamik	Insecticide/Acaricide	15,0-30,0	7	EC	I	III	Rotam	Avermectin
		SPITZ	Insecticide/Acaricide	7,5-15,0	7	EC	I	II	Cheminova	Avermectin
Vertimec 18 EC	Insecticide/Acaricide/nematicide	10,0-30,0	7	EC	III	II	Syngenta	Avermectin		
2	Acetamiprid	Convence	Insecticide	1,5-5,0 mL/tree	60	SL	II	III	Iharabras	Neonicotinoid
3	Azadirachtin	Azamax	Insecticide	100,0-200,0	-	EC	III	IV	UPL	Tetranortriterpenoid
4	Azoxytrobin	Amistar WG	Fungicide	8,0-16,0	7	WG	IV	II	Syngenta	Strobilurin
		Vantigo	Fungicide	16,0	7	WG	IV	III	Syngenta	Strobilurin
5	Azoxytrobin + Difenconazole	Amistar Top	Fungicide	20	7	SC	III	II	Syngenta	Strobilurin + Triazole
		Priori Top	Fungicide	20	7	SC	III	II	Syngenta	Strobilurin + Triazole
6	Bacillus thuringiensis	Able	Biological insecticide	50,0	-	SC	III	IV	Sipcam	Biological
		Agree	Biological insecticide	50,0	-	WP	III	IV	Bio Controle	Biological
		Bac-Control WP	Biological insecticide	50,0	-	WP	IV	IV	Vector Control	Biological
		Dipel	Biological insecticide	1-1,5 L/2000L water	-	SC	IV	IV	Sumitomo	Biological
		Dipel WG	Biological insecticide	25,0-37,5	-	WG	II	IV	Sumitomo	Biological
		Dipel WP	Biological insecticide	50,0	-	WP	II	IV	Sumitomo	Biological
7	Beta-cyfluthrin	Ducat	Insecticide	12,5-25,0	21	EC	II	II	Bayer	Pyrethroids
		Full	Insecticide	12,5-25,0	21	EC	II	II	Bayer	Pyrethroids
		Turbo	Insecticide	12,5-25,0	21	EC	II	II	Bayer	Pyrethroids
8	Bifenthrin	Bistar 100 EC	Insecticide/Acaricide	7,5-20,0	7	EC	III	III	FMC	Pyrethroids
		Brigade 100 EC	Insecticide/Acaricide	7,5-20,0	7	EC	III	III	FMC	Pyrethroids
		SEIZER 100 EC	Insecticide/Acaricide	7,5-20,0	7	EC	III	II	Adama	Pyrethroids
		Talstar 100 CE	Insecticide/Acaricide	7,5-20,0	7	EC	III	III	FMC	Pyrethroids
9	Buprofezin	Applaud 250	Insecticide/growth regulator	100,0-200,0	7	WP	III	III	Arysta	Thiadiaz-type
10	Chlorantranilprole + Abamectin	Voliam Targo	Insecticide/Acaric.	5,0-20,0 mL/100L water	21	SC	II	II	Syngenta	Antranilamide+Avermectin
11	Chlorantranilprole + Thiamethoxam	Durivo	Insecticide	1,0-2,0 ml/meters tree	nd	SC	III	II	Syngenta	Antranilamide + Neonicotinoid
12	Chlorpyrifos	Astro	Insecticide	100,0-150,0	21	EW	I	II	Bayer	Organophosphates
		Capataz BR	Insecticide/Acaricide	100,0-150,0 mL/100L water	21	EC	I	I	Ouro Fino	Organophosphates
		Catcher 480 EC	Insecticide	100,0-150,0	21	EC	I	II	Cheminova	Organophosphates
		Clorpirifós 480 EC Milenia	Insecticide/Acaricide	200,0	21	EC	II	II	Adama	Organophosphates
		Klorpan 480 BR	Insecticide	100,0-200,0	21	EC	I	II	Nufarm	Organophosphates
		Lorsban 480 BR	Insecticide/Acaricide	100,0-200,0	21	EC	I	II	Dow	Organophosphates
		Nufos 480 EC	Insecticide	100,0-150,0	21	EC	I	II	Cheminova	Organophosphates
		Pitcher 480 EC	Insecticide	100,0-150,0	21	EC	I	II	Cheminova	Organophosphates
		Pyrinex 480 EC	Insecticide	200,0	21	EC	I	II	Adama	Organophosphates
		Record 480 EC	insecticide	100,0-150,0	21	EC	I	I	Helm	Organophosphates
		Sabre	Insecticide	100,0-150,0	21	EW	III	II	Dow	Organophosphates
		Vexter	Insecticide/Acaricide	100,0-200,0	21	EC	II	II	Dow	Organophosphates
		13	Cypermethrin	Cipermetrina Nortox 250 EC	Insecticide	300,0-600,0 mL/ha	28	EC	I	II
Akito	Insecticide			200,0-300,0 mL/ha	21	EC	I	II	Arysta	Pyrethroids
Mustang 350 EC	Insecticide			5,0-10,0 ml/100L water	3	EC	II	I	FMC	Pyrethroids
14	Cyflumetofen	Obny	Acaricide	40,0 ml/100L water	7	SC	III	III	Arysta	Benzoyl acetronitrile
		Okay	Acaricide	40,0 ml/100L water	7	SC	III	III	Iharabras	Benzoyl acetronitrile
15	Formetanate hydrochloride	Dicarzol 500 SP	Insecticide/Acaricide	20, 0-25,0	21	SP	II	II	Crosslink	N-Methyl Carbamate

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	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
16	Diflubenzuron	Diflubenzuron 240 SC Helm	Insecticide	25,0	30	SC	III	II	Helm	benzoylurea
		Difluchem 240 SC	Insecticide	25,0	30	SC	III	II	Helm	benzoylurea
		Dimilin	Insecticide	500,0 g/ha	30	WP	IV	III	Macdermid	benzoylurea
		Du Din	Insecticide	25,0	30	WP	I	III	Macdermid	benzoylurea
		Login	Insecticide	500,0 g/há	30	WP	I	II	ULP	benzoylurea
		Micromite 240 SC	Insecticide/Acaricide	25,0-50,0	30	SC	III	III	Arysta	benzoylurea
17	Difenoconazole	Score	Fungicide	20,0	7	EC	I	II	Syngenta	Triazole
18	Dimethoate	Agritoato 400	Insecticide	150,0	3	EC	I	II	Nufarm	Organophosphates
		Dimetoato 500 EC Nortox	Insecticide/Acaricide	80,0-300,0	3	EC	I	II	Nortox	Organophosphates
		Dimetoato CE	Insecticide/Acaricide	190,0	3	EC	I	II	Adama	Organophosphates
		Dimexion	Insecticide	100,0-500,0	3	EC	I	II	Cheminova	Organophosphates
		Perfekthion	Insecticide/Acaricide	100,0-200,0	3	EC	I	II	Basf	Organophosphates
		Tiomet 400 CE	Insecticide/Acaricide	100,0-500,0	3	EC	I	II	Sipcam	Organophosphates
19	Sulfur	Cover DF	Acaricide/Fungicide	300,0-500,0	s/r	WG	IV	IV	Basf	Inorganic
		Defend WDG	Acaricide	4,0 Kg/ha	s/r	WG	IV	IV	Quimetal	Inorganic
		Enxofre Fersol 520 SC	Acaricide	240,0	s/r	SC	IV	IV	Ameribrás	Inorganic
		Highcrop 680 SC	Acaricide/Insecticide	250,0-300,0	s/r	SC	IV	IV	Iharabras	Inorganic
		Kumulus DF	Acaricide/Fungicide	300,0-500,0	s/r	WG	III	III	Basf	Inorganic
		Kumulus DF-AG	Acaricide/Fungicide	300,0-500,0	s/r	WG	IV	IV	Basf	Inorganic
		Microthiol Dispers WG	Acaricide	500,0	s/r	WG	IV	IV	ULP	Inorganic
		Rapid	Acaricide	300,0	s/r	WP	IV	III	Dow	Inorganic
		Sulficamp	Acaricide/Fungicide	600,0	s/r	WP	IV	III	Sipcam	Inorganic
		Sulflow SC	Acaricide	250,0-300,0	s/r	SC	IV	IV	Macdermid	Inorganic
		Sulfur 800	Acaricide	300,0	s/r	SC	IV	IV	Stoller	Inorganic
		Sulfure 750	Acaricide	125,0-250,0	s/r	SC	IV	IV	Bio Soja	Inorganic
		Thiovit Jet	Acaricide	200,0-300,0	s/r	WG	III	IV	Syngenta	Inorganic
20	Spinetoram	Delegate	Insecticide	5,0-10,0 g/100 L	1	WG	III	II	Dow	Spinosyns
21	Spinosad	Success* 0,02 CB	Insecticide	1,0-1,6 L/ha	14	CB	III	III	Dow	Spinosyns
		Tracer	Insecticide	10,0-15,0	14	SC	III	III	Dow	Spinosyns
22	Spirodiclofen	Envidor	Acaricide	20,0-25,0	21	SC	III	III	Bayer	Ketoenols
23	Etofenprox	Safety	Inseticida	30,0-60,0	7	EC	III	III	Iharabras	pyrethroid ether
		Trebon 100 SC	Inseticida	0,10-0,025 L/100L	7	SC	III	III	Sipcam	pyrethroid ether
24	Etoxazole	Borneo	Acaricide	45,0 mL/100 L água	14	SC	II	III	Sumitomo	Dipheniloxazoline
		Smite	Acaricide	45,0 mL/100 L água	14	SC	II	III	Sumitomo	Dipheniloxazoline
25	Fosetyl	Aliette	Fungicide	250,0	25	WP	IV	III	Bayer	Phosphonate
26	Fenpyroximate	Fujimite 50 SC	Acaricide	100,0	15	SC	II	I	Rotam	Pyrazole
		Ortus 50 SC	Acaricide	100,0	15	SC	II	II	Arysta	Pyrazole
27	Fenpropathrin	Danimen 300 EC	Insecticide/Acaricide	20,0-50,0	28	EC	I	II	Sumitomo	Pyrethroids
		Meothrin 300	Insecticide/Acaricide	20,0-50,0	28	EC	I	II	Sumitomo	Pyrethroids
		Sumirody 300	Insecticide/Acaricide	20,0-50,0	28	EC	I	II	Sumitomo	Pyrethroids
28	Flufenoxuron	Cascade 100	Insecticide/Acaricide	30,0-50,0	15	EC	I	II	Basf	benzoylurea
29	Phosmet	Imidan 500 WP	Insecticide	25,0-150,0	20	WP	I	III	Cross Link	Organophosphates
30	Hexythiazox	Gallery	Acaricide	3,0	30	WP	III	III	Du Pont	Thiazolidine
		Savey WP	Acaricide	3,0	30	WP	II	II	Du Pont	Thiazolidine
31	Copper hydroxide	Auge	Fungicide	2,0-3,0 L/ha	s/r	SC	III	III	Oxiquimica	Inorganic
		Contact	Fungicide	0,85-1,7 Kg / ha ou 200,0	s/r	WP	IV	III	Mitsui	Inorganic
		Ellect	Fungicide	2,0-3,0 Kg/ha	s/r	WP	I	III	Oxiquimica	Inorganic
		Garant	Bactericide/Fungicide	0,85-1,7 Kg / ha ou 200,0	s/r	WP	IV	II	Mitsui	Inorganic
		Garant BR	Bactericide/Fungicide	0,85-1,7 Kg / ha ou 200,0	7	WP	III	II	Du Pont	Inorganic
		Garra 450 WP	Fungicide	100,0-150,0	7	WP	I	III	Oxiquimica	Inorganic
		Kentan 40WG	Fungicide	75,0-100,0	s/r	WG	I	II	Isagro	Inorganic
		Kocide WDG Bioactive	Bactericide/Fungicide	75,0-125,0	s/r	WG	III	II	Mitsui	Inorganic
		Supera	Fungicide	2,0-3,0 L/ha	s/r	SC	III	III	Oxiquimica	Inorganic
		Tutor	Fungicide	175,0-225,0	s/r	WG	II	III	Basf S.A.	Inorganic

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32	Imazalil*	Magnate 500 EC	Fungicide	200,0	3	EC	I	II	Adama	imidazoles		
33	Imidacloprid	Bamako 700 WG	Insecticide	5,0g/100l water or 0,5-1g/seedlin	21	WG	I	III	Rotam	Neonicotinoid		
		Cigalar	Insecticide	5,0	21	WP	I	III	Anasac	Neonicotinoid		
		Evidence 700 WG	Insecticide	0,5-10,0	21	WG	IV	III	Bayer	Neonicotinoid		
		Galeão	Insecticide	5,0-10,0	21	WG	I	III	Helm	Neonicotinoid		
		Granary	Insecticide	5,0-10,0	21	WG	III	III	Consagro	Neonicotinoid		
		Imaxi 700 WG	Insecticide	5,0g/100l water or 1g/tree	21	WG	I	III	Rotam	Neonicotinoid		
		Imidacloprid 350 SC	Insecticide	9,0-11,0 mL/100 L water	21	SC	III	III	Rotam	Neonicotinoid		
		Imidacloprid nortox	Insecticide	10,0-300,0	21	SC	II	II	Nortox	Neonicotinoid		
		Imidagold 700 WG	Insecticide	5,0-10,0	21	WG	III	III	UPL	Neonicotinoid		
		Imidacloprid 700 WG HELM	Insecticide	5,0-10,0	21	WG	I	III	Helm	Neonicotinoid		
		Kohinor 200 SC	Insecticide	15,0-50,0	21	SC	III	III	Adama	Neonicotinoid		
		Provado 200 SC	Insecticide	15,0-50,0	21	SC	III	III	Bayer	Neonicotinoid		
		Rotaprid 350 SC	Insecticide	9,0-11,0	21	SC	III	III	Rotam	Neonicotinoid		
		Timon	Insecticide	15,0-50,0	21	SC	III	III	Bayer	Neonicotinoid		
		Warrant 700 WG	Insecticide	5,0	21	WG	III	III	Cheminova	Neonicotinoid		
		Winner	Insecticide	2,5-5,0 ml / tree	21	SL	III	III	Bayer	Neonicotinoid		
		34	Malathion	Malathion 1000 EC Cheminova	Insecticide	150,0-200,0	7	EC	I	II	Cheminova	Organophosphates
Malathion 440 EW	Insecticide			350,0-450,0	7	EW	III	II	Cheminova	Organophosphates		
Malathion 500 EC Cheminova	Insecticide			350,0	7	EC	II	II	Cheminova	Organophosphates		
Malathion Prentiss	Insecticide			300,0-400,0	7	EC	III	III	Prentiss	Organophosphates		
35	Mineral oil	Agefix	Adjuvant	1,0-1,5 L/ha	s/r	EC	III	III	Plackblend	Aliphatic hydrocarbons		
		Argenfrut RV	Insecticide/Fungicide	1000,0	s/r	EC	III	III	Agrovant	Aliphatic hydrocarbons		
		Assist	Insecticide/Acaricide/Adjuvant	1.000,0-2.000,0	s/r	EC	IV	IV	Basf	Aliphatic hydrocarbons		
		Dytrol	Insecticide/Adjuvant	1.000,0-2.000,0	s/r	EC	IV	III	Ameribrás	Aliphatic hydrocarbons		
		Iharol	Insecticide/Acaricide/Adjuvant	1.000,0-2.000,0	s/r	EW	III	III	Iharabras	Aliphatic hydrocarbons		
		Miner Oil	Insecticide/Adjuvant	1.000,0-1.500,0	s/r	EC	IV	III	Ameribrás	Aliphatic hydrocarbons		
		Óleo Mineral Fersol	Insecticide/Adjuvant	1.000,0-1.500,0	s/r	EW	IV	IV	Oxiqímica	Aliphatic hydrocarbons		
		OPPA BR EC	Insecticide/Adjuvant	1.000,0-1.500,0	s/r	EC	IV	III	Petrobrás	Aliphatic hydrocarbons		
		PureSpray 15E	Acaricide	1000,0	s/r	SO	IV	III	IQ Soluções	Aliphatic hydrocarbons		
		Spinner	Insecticide	1.000,0-1.500,0	s/r	EW	IV	III	Sipcam	Aliphatic hydrocarbons		
		Spraytex S	Insecticide/Adjuvant	1.000,0-2.000,0	s/r	EC	IV	III	Basf	Aliphatic hydrocarbons		
		Triona	Insecticide/Adjuvant	1.000,0-1.500,0	s/r	EW	IV	III	Basf	Aliphatic hydrocarbons		
		36	Vegetable oil	Agro-Oil	Insecticide/Adjuvant	2.000,0-3.000,0	s/r	EC	IV	IV	Bio Soja	Fatty acid esters
				Vision	Insecticide/Adjuvant	500-1000,0	s/r	EC	IV	IV	Oxiqímica	Fatty acid esters
Fersoil	Insecticide/Adjuvant			500-1000,00	s/r	EC	IV	IV	Ameribrás	Fatty acid esters		
Graxol	Insecticide			2.000,0	s/r	EC	IV	IV	Agrária	Fatty acid esters		
Naturl Óleo	Insecticide/Adjuvant			1.000,0-3.000,0	s/r	EW	IV	IV	Stoller	Fatty acid esters		
Óleo Vegetal Nortox	Insecticide/Adjuvant			2.000,0	s/r	EC	IV	IV	Nortox	Fatty acid esters		
Óleo Vegetal Samaritá	Insecticide/Adjuvant			2.000,0-3.000,0	s/r	EC	IV	IV	Bio soja	Fatty acid esters		
Quimióleo	Insecticide/Adjuvant			1.000,0-2.000,0	s/r	EW	IV	IV	Fênix Agro-Pecus	Fatty acid esters		
Veget Oil	Insecticide			1.000,00	s/r	EC	IV	IV	Oxiqímica	Fatty acid esters		
37	Copper oxychloride			Agrinose	Fungicide/Bactericide	400,0	-	WP	III	II	Nufarm	Inorganic
		Cobox	Fungicide	250,0	7	WP	IV	III	Basf	Inorganic		
		Cobox DF	Fungicide	250,0	7	WG	IV	III	Basf	Inorganic		
		Cobre Fersol	Fungicide	300,0	-	WP	IV	III	Ameribrás	Inorganic		
		Copsuper	Fungicide	150-200,0 ou 2-2,5 L/ha	-	SC	III	III	Oxiqímica	Inorganic		
		Cup001	Fungicide	250,0	-	WP	IV	III	Atar	Inorganic		
		Cupravít Azul BR	Fungicide	300,0	7	WP	IV	IV	Bayer	Inorganic		
		Cupravít Verde	Fungicide	180,0	7	WP	IV	III	Bayer	Inorganic		
		Cuprogarb 350	Fungicide	200,0-300,0	7	WP	IV	II	Oxiqímica	Inorganic		
		Cuprogarb 500	Fungicide	150,0-200,0	-	WP	IV	III	Oxiqímica	Inorganic		
		Cupuran 500 PM	Fungicide/Bactericide	3 kg/ha	-	WP	IV	III	Mitsui	Inorganic		
		Difere	Fungicide	3,0-4,0 L/há	-	SC	III	III	Oxiqímica	Inorganic		
		Fanavid 85	Fungicide	300,0-450,0	7	WP	III	III	Rizzi	Inorganic		
		Fanavid Flowable	Fungicide	300,0-450,0	7	SC	IV	III	Rizzi	Inorganic		
		Fuguran Verde	Fungicide	100,0	30	WP	IV	II	Fuguran Giulini	Inorganic		
		Fungitol Azul	Fungicide	275,0	7	WP	IV	III	Mitsui	Inorganic		
		Fungitol Verde	Fungicide/Bactericide	150,0	7	WP	IV	III	Mitsui	Inorganic		
		Neoram 37,5 WG	Fungicide	300,0	-	WG	I	II	Isagro	Inorganic		
		Ramexane 850 PM	Fungicide	250,0	-	WP	IV	III	Sipcam	Inorganic		
		Reconil	Fungicide/Bactericide	200,0	-	WP	IV	III	Atar	Inorganic		
		Recop	Fungicide	250,0	-	WP	IV	III	Atar	Inorganic		
		Status	Fungicide	150-200,0 ou 2-2,5 L/ha	-	SC	III	III	Oxiqímica	Inorganic		

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38	Cuprous oxide	Cobre Atar BR	Fungicide/Bactericide	150,0	7	WP	IV	III	Atar	Inorganic
		Cobre Atar MZ	Fungicide/Bactericide	150,0	-	WP	IV	III	Atar	Inorganic
		Redshield 750	Fungicide	100,0	-	WP	IV	III	Agrovant	Inorganic
39	Pyridaben	Sanmite	Acaricide	50,0-75,0	21	EC	I	II	Iharabras	Pyridazinone
40	Pyrimethanil	Mythos	Fungicide	1,0-1,5 L/ha	14	SC	III	II	Bayer	anilinoimidazoles
41	Pyraclostrobin	Comet	Fungicide	10,0-15,0	14	EC	II	II	Basf	Strobilurin
42	Pyriproxyfen	Cordial 100	Insecticide	6,25-75,0	14	EC	I	II	Sumitomo	Pyridine
		Epingle 100	Insecticide	6,25-100,0	14	EC	I	II	Sumitomo	Pyridine
		Tiger 100 CE	Insecticide	6,25-100,0	14	EC	I	II	Sumitomo	Pyridine
43	Tebuconazole	Egan	Fungicide	75,0	20	EC	I	I	Consagro	Triazole
		ProdutorBR	Fungicide	75,0	20	EC	I	II	Ouro Fino	Triazole
44	Tebufenozide	Mimic 240 SC	Insecticide	40,0-50,0	7	SC	IV	III	Iharabras	Benzoic acid hydrazide
45	Thiabendazole*	Tecto SC	Fungicide	103,0-1030,0	-	SC	III	II	Syngenta	Benzimidazole
46	Thiamethoxam	Actara 10 GR	Insecticide	75,0 g/tree	180	GR	III	III	Syngenta	Neonicotinoid
		Actara 250 WG	Insecticide	20,0 ou 3,0 g/tree	14fol.-180sol.	WG	III	III	Syngenta	Neonicotinoid
47	Trifloxystrobin	Flint 500 WG	Fungicide	10,0	14	WG	III	II	Bayer	Strobilurin
48	Trifloxystrobin + Tebuconazole	Nativo	Fungicide	0,6-0,8 L/ha	20	SC	III	II	Bayer	Strobilurin + Triazole

2. HERBICIDES										
List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016										
	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
1	Carfentrazone-ethyl	Affinity 400 EC	Herbicide	75,0-125,0 mL/ha + 0,5% oil	15	EC	II	II	FMC	Triazolone
		Aurora	Herbicide	75,0-125,0 mL/ha + 0,5% oil	15	EC	II	II	FMC	Triazolone
		Aurora 400 EC	Herbicide	75,0-125,0 mL/ha + oil	15	EC	II	II	FMC	Triazolone
		Quicksilver 400 EC	Herbicide	75,0-125,0 mL/ha + oil	15	EC	II	II	FMC	Triazolone
2	Carfentrazone-ethyl + Glyphosate	Fera Ultra	Herbicide	1,25-150,0 L p.c./há	30	EW	I	I	FMC	Triazolone + Glycine derivatives
3	Diquat dibromide	Reglone	Herbicide	1,5-2,5 L/ha	14	SL	I	II	Syngenta	Bipyridylum
4	Paraquat dichloride	Flak 200 SL	Herbicide	1,5-2,0 L/ha	1	SL	I	III	Cropchem	Bipyridylum
		Laredo	Herbicide	1,5-2,0 L/ha	1	SL	I	II	Helm	Bipyridylum
		Gramoxone 200	Herbicide	1,5-2,0 L/ha	1	SL	I	II	Syngenta	Bipyridylum
		Helmozone	Herbicide	1,5-3,0 L/ha	1	SL	I	II	Helm	Bipyridylum
		Orbit	Herbicide	1,5-2,0 L/ha	1	SL	I	II	Sinon	Bipyridylum
		Paradox	Herbicide	1,5-3,0 L/ha	7	SL	I	II	Sinon	Bipyridylum
		Gramoking	Herbicide	1,5-2,0 L/ha	1	SL	I	III	Rainbow	Bipyridylum
		Quatdown	Herbicide	1,5-2,0 L/ha	1	SL	I	III	Rainbow	Bipyridylum
		Sprayquat	Herbicide	1,5-2,0 L/ha	1	SL	I	III	Rainbow	Bipyridylum
5	Diuron	Cention SC	Herbicide	3,6-6,4 L/ha	60	SC	III	II	Lanxess	Urea
		Direx 500 SC	Herbicide	3,6-6,4 L/ha	60	SC	II	II	Adama	Urea
		Diurex WG	Herbicide	1,8-3,5 Kg/ha	60	WG	III	III	Adama	Urea
		Diuron Milenia WG	Herbicide	1,8-3,5 Kg/ha	60	WG	III	III	Adama	Urea
		Diuron Nortox	Herbicide	2,0-4,0 L/ha	110	WP	III	II	Nortox	Urea
		Diuron Nortox 500 SC	Herbicide	3,2-6,4 L/ha	110	SC	III	II	Nortox	Urea
		Herburon 500 BR	Herbicide	3,2-6,4 L/ha	60	SC	III	II	Adama	Urea
		Herburon WG	Herbicide	1,8-3,5 Kg/ha	60	WG	III	III	Adama	Urea
		Karmex	Herbicide	2,0-4,0 Kg/ha	60	WG	III	II	Adama	Urea
Karmex 800	Herbicide	2,0-4,0 Kg/ha	60	WG	III	II	Adama	Urea		
6	Diuron+Paraquat dichloride	Gramocil	Herbicide	2,0 L/ha	60	SC	I	II	Syngenta	Urea + Bipyridylum
7	Diuron+Glyphosate	Glydur	Herbicide	3,0 L/ha	60	SC	III	II	Adama	Glycine derivatives + Urea
		Tropuron	Herbicide	5,0-7,0 L/ha	60	SC	III	II	Adama	Glycine derivatives + Urea

PIC LIST - CITRUS INTEGRATED PRODUCTION

2. HERBICIDES										
List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016										
	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
8	Glyphosate; Glifosato- isopropylammonium	Aliado 480 SL	Herbicide	0,5-6,0 L/ha	30	SL	III	III	Consagro	Glycine derivatives
		Credit	Herbicide	0,5-6,0 L/ha	17	SL	III	III	Nufarm	Glycine derivatives
		Crucial	Herbicide	1,0-4,0 L/ha	30	SL	I	III	Nufarm	Glycine derivatives
		Direct	Herbicide	0,5-3,5 g/ha	30	WG	III	III	Monsanto	Glycine derivatives
		Fera	Herbicide	2,0-5,0 L/ha	30	SL	III	III	FMC	Glycine derivatives
		Fusta WG	Herbicide	0,5-3,5 Kg/ha	30	WG	III	III	Monsanto	Glycine derivatives
		Gli Ouro	Herbicide	1,0-5,0 L/há	30	SL	III	III	Ouro Fino	Glycine derivatives
		Gli Over	Herbicide	1,0-5,0 L/ha	30	SL	III	III	Iharabras	Glycine derivatives
		Gliato	Herbicide	1,0-5,0 L/ha	30	SL	II	III	Prentiss	Glycine derivatives
		Gliforte	Herbicide	0,5-3,0 L/há	30	SP	I	I	Tundra	Glycine derivatives
		Glifos	Herbicide	2,0 L/ha	30	SL	II	III	Cheminova	Glycine derivatives
		Glifos Plus	Herbicide	0,8 L/ha	30	SL	III	III	Cheminova	Glycine derivatives
		Glifosato Agripec 720 WG	Herbicide	0,5-2,5 Kg / ha	30	WG	III	III	Nufarm	Glycine derivatives
		Glifosato Atanor	Herbicide	1,0-6,0 L / ha	30	SL	III	III	Atanor	Glycine derivatives
		Glifosato Atanor 48	Herbicide	1,0-6,0 L / ha	30	SL	III	III	Atanor	Glycine derivatives
		Glifosato Atar	Herbicide	1,0-6,0 L / ha	30	SL	III	III	Atar	Glycine derivatives
		Glifosato Atar 48	Herbicide	1,0-6,0 L / ha	30	SL	III	III	Atar	Glycine derivatives
		Glifosato CCAB 480 SL	Herbicide	0,75-5,0 L/ha	30	SL	II	III	CCAB Agro	Glycine derivatives
		Glifosato Nortox	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Nortox	Glycine derivatives
		Glifosato Nortox WG	Herbicide	0,5-2,5 Kg / ha	30	WG	IV	III	Nortox	Glycine derivatives
		Glifosato Nortox 480 BR	Herbicide	1,0-5,0 L/ha	30	SL	III	III	Nortox	Glycine derivatives
		Glifosato Nortox 480 SL	Herbicide	2,0-6,0 L/ha	30	SL	III	III	Nortox	Glycine derivatives
		Nufosate	Herbicide	0,5-6,0 L/ha	30	SL	III	III	Nufarm	Glycine derivatives
		Nufosate BR	Herbicide	1,0-5,0 L/ha	30	SL	II	III	Nufarm	Glycine derivatives
		Glifosato Nutritop	Herbicide	1,0-5,0 L/ha	30	SL	III	III	Cropchem	Glycine derivatives
		Glifosato Zamba	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Atanor	Glycine derivatives
		Glifosato 480 Agripec	Herbicide	1,0-6,0 L / ha	30	SL	I	III	Nufarm	Glycine derivatives
		Glifosato 480 Helm	Herbicide	1,0-4,0 L/ha	30	SL	IV	III	Helm	Glycine derivatives
		Glifosato 480 SL Sinon	Herbicide	1,0-4,0 L/ha	30	SL	II	III	Sinon	Glycine derivatives
		Glifoxin	Herbicide	1,0-4,0 L/ha	30	SL	III	III	Helm	Glycine derivatives
		Gliphoan 480	Herbicide	2,0-4,0 L/ha	30	SL	III	III	Adama	Glycine derivatives
		Glistar	Herbicide	1,0-4,0 L/ha	30	SL	II	III	Sinon	Glycine derivatives
		GLI-UP 480 SL	Herbicide	1,0-5,0 L/ha	30	SL	III	III	Cropchem	Glycine derivatives
		GLI-UP 720 WG	Herbicide	0,5-3,5 Kg/há	30	WG	III	III	Cropchem	Glycine derivatives
		Gliz Plus	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Dow	Glycine derivatives
		Gliz 480 SL	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Dow	Glycine derivatives
		Glizmax Prime	Herbicide	0,75-4,5 L/ha	30	SL	III	III	Dow	Glycine derivatives
		Glyox	Herbicide	1,0-6,0 L/ha	30	SL	IV	III	Nortox	Glycine derivatives
		Glyphotal	Herbicide	0,75-5,0 L/ha	30	SL	II	III	UPL	Glycine derivatives
		Glyphotal TR	Herbicide	1,0-4,5 L/ha	30	SL	II	III	UPL	Glycine derivatives
		Glyphotal WG	Herbicide	0,75-3,0 Kg/há	30	WG	III	III	United Phosphorus	Glycine derivatives
		Soldier	Herbicide	0,50-3,5	30	WG	III	III	Rainbow	Glycine derivatives
		Mademato	Herbicide	1,0-5,0 L/ha	30	SL	I	III	DIPIL	Glycine derivatives
		Pilarsato	Herbicide	1,0-5,0 L/ha	30	SL	I	III	Pilarquin	Glycine derivatives
		Pocco 480 SL	Herbicide	0,5-6,0 L/ha	30	SL	III	III	Consagro	Glycine derivatives
		Polaris	Herbicide	0,5-5,0 L/ha	30	SL	IV	III	Du Pont	Glycine derivatives
		Preciso	Herbicide	0,5-3,5 Kg/ha	30	WG	III	III	Consagro	Glycine derivatives
		Pretorian	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Atanor	Glycine derivatives
		Radar	Herbicide	0,5-5,0 L/ha	30	SL	III	III	Monsanto	Glycine derivatives
		Radar WG	Herbicide	0,5-3,5 Kg/ha	30	WG	III	III	Monsanto	Glycine derivatives
Rodeo	Herbicide	1,0-4,0 L/ha	30	SL	IV	III	Monsanto	Glycine derivatives		
Ronat-A	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Atanor	Glycine derivatives		
Roundup Original	Herbicide	0,5-12,0 L / ha	30	SL	III	III	Monsanto	Glycine derivatives		
Roundup Original DI	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Monsanto	Glycine derivatives		
Roundup Transorb	Herbicide	0,75-4,5 L/ha	30	SL	II	III	Monsanto	Glycine derivatives		
Roundup WG	Herbicide	0,5-3,5 Kg / ha	30	WG	III	III	Monsanto	Glycine derivatives		
Rustler	Herbicide	0,5-5,0 L/ha	30	SL	III	III	Monsanto	Glycine derivatives		
Rustler WG	Herbicide	0,5-3,5 L/ha	30	WG	III	III	Monsanto	Glycine derivatives		
Shadow 480 SL	Herbicide	1,0-5,0 L p.c./há	30	SL	III	III	Consagro	Glycine derivatives		
Stinger	Herbicide	0,5-5,0 L/ha	30	SL	IV	III	Monsanto	Glycine derivatives		
Stinger WG	Herbicide	0,5-5,0 L/ha	30	SL	III	III	Monsanto	Glycine derivatives		
Sumô	Herbicide	1,0-5,0 L/ha	30	SL	III	III	Pilarquin	Glycine derivatives		
Trop	Herbicide	1,0-6,0 L/ha	30	SL	III	III	Adama	Glycine derivatives		
Tupan 720 WG	Herbicide	0,5-3,5 Kg/ha	30	WG	III	III	Cropchem	Glycine derivatives		
Tropazin	Herbicide	5,0-7,0 L/ha	30	SC	I	II	Adama	Glycine derivatives		
Wipe Out	Herbicide	0,5-3,5 Kg/ha	30	SL	III	III	Rainbow	Glycine derivatives		
Zapp QI 620	Herbicide	0,7-4,2 L/ha	30	SL	III	III	Syngenta	Glycine derivatives		
9	Glufosinate-ammonium	Finale	Herbicide	2,0 L/ha	40	SG	I	III	Bayer	Thiocarbamates
		Liberty BCS	Herbicide	2,0 L/ha	40	SL	I	II	Bayer	Thiocarbamates

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3. PLANT HORMONES

List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016

	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
1	Gibberellic acid	Pro-Gibb	Plant growth regulator	400 g/2000L	s/r	SP	II	IV	Sumitomo	Gibberellin
		Progibb 400	Plant growth regulator	6,25	s/r	WG	III	IV	Sumitomo	Gibberellin
2	4-indol-3-ylbutyric acid + Gibberellic acid (GA3) + Kinetin	Stimulate	Plant growth regulator	1 L/ha	s/r	SL	IV	IV	Stoller	indolebutyric acid + gibberellin + cytokinin

4- PHEROMONES AND ANT BAIT

List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016

	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
1	(E)-8-dodecenyl alcohol+ (E)-8-dodecenyl acetate	Ferocitrus Furão	Pheromone	1 trap/10 há ou 1 trap/3000-3500 tree	-	FF	IV	IV	Coopercitrus	Unsaturated alcohol + Unsaturated acetate
2		Bifenthrin	Bistar	Anticide	0,38 ml/m ²	nd	KN	IV	II	FMC
	Bistar UBV		Anticide	5,0 ml/m ²	nd	UL	IV	II	FMC	Pyrethroids
3	Trimedlure	Bioceratitis	Pheromone	1 trap/3 ha 1 trap/ha (in irregular areas)	-	GE	IV	IV	Bio Controle	Saturated esters
		Bio Trimedilure	Pheromone	1 trap/ha	-	GE	IV	III	Bio Controle	Saturated esters
		Iscalure TML Prug	Pheromone	1 trap/ha	-	GE	-	-	ISCA tecnologias	Saturated esters
4	Aluminium phosphide	Gastoxin Pasta	Smoke insecticide	3,0-5,0 g/orifice	4	PA	I	III	Bequisa	Inorganic pioneer of phosphine
5	Fipronil	Blitz	Anticide	5,0-10,0 g/m ²	nd	GB	IV	II	Basf	Phenyl pyrezole
6	Chlorpyrifos	Landrin Pó	Anticide	5,0-30,0 g/m ²	nd	ED	II	II	Landrin	Organophosphates
		Lakree Fogging	Anticide	4,0 ml/m ²	nd	HN	II	II	Dow	Organophosphates
7	Sulfluramid	Fotmex-S	Anticide/insecticide	6,0-8,0 g/m ²	nd	GB	IV	III	Bio Soja	fluoroaliphatic sulfonamide
		Fluramim	Anticide	6,0-30,0 g/m ²	nd	GB	IV	II	Milenia	fluoroaliphatic sulfonamide
		Formicida Granulado Dinagro-S	Anticide	6,0-10,0 g/m ²	nd	GB	IV	III	Dinagro	fluoroaliphatic sulfonamide
		Formicida Gran. Pikapau-S	Anticide/insecticide	6,0-10,0 g/m ²	nd	GB	IV	III	São Vicente	fluoroaliphatic sulfonamide
		Grão Verde AG	Anticide	6,0-10,0 g/m ²	nd	GB	III	III	DIPIL	fluoroaliphatic sulfonamide
		Isca Formicida Atta Mex-S	Anticide	6,0-10,0 g/m ²	nd	GB	IV	III	Unibrás	fluoroaliphatic sulfonamide
		Isca Formicida Exatta	Anticide	6,0-10,0 g/m ²	nd	GB	IV	III	Legisnovo	fluoroaliphatic sulfonamide
		Isca Tamanduá Bandeira-S	Anticide/insecticide	6,0-10,0 g/m ²	nd	GB	IV	III	Bio Soja	fluoroaliphatic sulfonamide
		Mirex-S 2	Anticide	6,0-10,0 g/m ²	nd	GB	IV	III	Atta Kill	fluoroaliphatic sulfonamide
		Mirex-S Max	Anticide	6,0-10,0 g/m ²	nd	GB	IV	III	Atta Kill	fluoroaliphatic sulfonamide
Mirex-S	Anticide	6,0-20,0 g/m ²	nd	GB	IV	III	Atta Kill	fluoroaliphatic sulfonamide		

PIC LIST - CITRUS INTEGRATED PRODUCTION

5. WETTER/SPREADERS AND ADJUVANTS

List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016

	ACTIVE INGREDIENTS	PRODUCTS	CLASSIFICATION	DOSAGE (mL or g /100L)	PHI Pre Harvest Interval (days)	FORMULATE	TOXICOLOGICAL	ENVIRONMENTAL	REGISTRANT	CHEMICAL GROUP
1	polyether copolymer and Silicone	Break-Thru	Surfactant/Adjuvant	100,00	-	SL	III	III	Evonik Degussa	Silicone
		Silwet L-77 Ag	Surfactant	100,0 mL/100 L	-	DC	I	III	Momentive	Silicone
2	Nonylphenol	Espalhante Adesivo Du Fol	Surfactant/Adjuvant	30,0 mL/ 100 L	-	SL	III	IV	Bio Soja	Ether
		Adesil	Surfactant	30,0 mL/ 100 L	-	SL	I	IV	Nufarm	Ether

6. OTHERS AGROCHEMICALS

List drawn up by the Committee of pesticides for the Citrus Integrated Production - PIC Brazil updated 18th January 2016

	PRODUCTS	COMPOSITION	CLASSIFICATION	DOSAGE	QUARANTINE	CHEMICAL GROUP
1	Lime sulfur	Sulfur + calcium oxide + water	Fungicide/Insecticide/Acaricide	1,0 L / 30-50 L	-	-
2	Bordeaux mixture	Copper sulfate + calcium oxide + water	Fungicide	0,6 a 1% / 100 L	-	-
3	Bordeaux paste	Copper sulfate + calcium oxide + water	Fungicide	brushing	-	-

LEGEND	
CB	Concentrate bait
DC	Dispersible Concentrate
EC/CE	Emulsifiable concentrate
EW	Emulsion, oil-in-water
FF	Smoke Tablet
GB	Granular bait
GE	Gas generating product
ED	Electro-dynamic (liquid)
GR	Granule
HN	Hot fogging concentrate
KN	Cold fogging concentrate
PA	Paste
SC	Suspension concentrate
SL	Soluble (liquid) concentrate
SP	Soluble powder
UL	Ultra-low volume (ULV) liquid
WP	Wettable powder
WG	Water dispersible granules
SG	Soluble Granules

TOXICOLOGICAL CLASSIFICATION			
Toxicity to man		Dangerousness environmental	
I	Extremely toxic	I	Extremely hazardous
II	Highly toxic	II	Highly hazardous
III	Toxic	III	Hazardous
IV	Slightly toxic	IV	Slightly hazardous

s/r	No Restrictions
nd	No Defenitions
-	Not Informed
*	applied in post-harvest