



Australian Government

Department of Agriculture, Fisheries and Forestry

Chickpea Annual Results 2011-12

Table 1 INSECTICIDES - ORGANOCHLORINES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Aldrin and dieldrin	WHOLE	0.01	Not set	39	0	0
Chlordane	WHOLE	0.01	0.02	39	0	0
DDT	WHOLE	0.01	1	39	0	0
Endosulfan	WHOLE	0.01	0.1	39	0	0
Endrin	WHOLE	0.01	Not set	39	0	0
HCB	WHOLE	0.01	Not set	39	0	0
HCH	WHOLE	0.01	Not set	39	0	0
Heptachlor	WHOLE	0.01	0.05	39	0	0
Lindane (gamma-HCH)	WHOLE	0.01	2	39	0	0
Methoxychlor	WHOLE	0.01	Not set	39	0	0
Mirex	WHOLE	0.01	Not set	39	0	0

Table 2 INSECTICIDES - ORGANOPHOSPHATES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Azamethiphos	WHOLE	0.01	Not set	39	0	0
Chlorfenvinphos	WHOLE	0.01	Not set	39	0	0
Chlorpyrifos	WHOLE	0.01	0.1	39	0	0
Chlorpyrifos-methyl	WHOLE	0.01	Not set	39	0	0
Diazinon	WHOLE	0.01	0.7	39	0	0
Dichlorvos	WHOLE	0.01	0.5	39	0	0
Dimethoate (RD)	WHOLE	0.01	0.5	39	0	0
Ethoprofos	WHOLE	0.005	Not set	39	0	0
Fenitrothion	WHOLE	0.01	0.1	39	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Malathion	WHOLE	0.01	2.0	39	0	0
Methacrifos	WHOLE	0.01	Not set	39	0	0
Methidathion	WHOLE	0.01	0.1	39	0	0
Omethoate	WHOLE	0.01	2	39	0	0
Phosmet	WHOLE	0.01	Not set	39	0	0
Pirimiphos-methyl	WHOLE	0.01	Not set	39	0	0
Profenofos	WHOLE	0.01	Not set	39	0	0
Terbufos	WHOLE	0.01	Not set	39	0	0
Trichlorfon	WHOLE	0.01	0.2	39	0	0

Table 3 INSECTICIDES - SYNTHETIC PYRETHROIDS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Bifenthrin	WHOLE	0.01	0.02	39	0	0
Bioresmethrin	WHOLE	0.01	Not set	39	0	0
Cyfluthrin	WHOLE	0.01	0.5	39	0	0
Cyhalothrin	WHOLE	0.01	0.2	39	0	0
Cypermethrin	WHOLE	0.01	0.2	39	0	0
Deltamethrin	WHOLE	0.01	0.1	39	0	0
Fenvalerate	WHOLE	0.01	0.5	39	0	0
Permethrin	WHOLE	0.01	Not set	39	0	0
Phenothrin	WHOLE	0.01	Not set	39	0	0

Table 4 OTHER INSECTICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Acetamiprid	WHOLE	0.01	Not set	39	0	0
Amitraz	WHOLE	0.01	Not set	39	0	0
Carbaryl	WHOLE	0.01	5.0	39	0	0
Diflubenzuron	WHOLE	0.01	Not set	39	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Enamectin	WHOLE	0.01	Not set	39	0	0
Fipronil	WHOLE	0.005	Not set	39	0	0
Imidacloprid	WHOLE	0.01	Not set	39	0	0
Indoxacarb	WHOLE	0.01	0.2	39	0	0
Methomyl	WHOLE	0.01	1	39	0	0
Methoprene	WHOLE	0.01	Not set	39	0	0
Pirimicarb	WHOLE	0.01	1.00	39	0	0
Piperonyl butoxide	WHOLE	0.01	8.0	39	0	0
Pyriproxyfen	WHOLE	0.01	Not set	39	0	0
Spinosad	WHOLE	0.01	0.0	39	0	0
Triflumuron	WHOLE	0.01	Not set	39	0	0
Thiodicarb	WHOLE	0.01	0.1	39	0	0

Table 5 FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Azoxystrobin	WHOLE	0.01	0.5	39	0	0
Captafol	WHOLE	0.01	Not set	39	0	0
Captan	WHOLE	0.01	0.1	39	0	0
Carbendazim	WHOLE	0.01	0.5	39	0	0
Chlorothalonil	WHOLE	0.01	3	39	0	0
Cyproconazole	WHOLE	0.01	0.01	39	0	0
Difenoconazole	WHOLE	0.01	Not set	39	0	0
Dithiocarbamates	WHOLE	0.01	0.5	3	0	0
Epoxiconazole	WHOLE	0.01	Not set	39	0	0
Etridiazole	WHOLE	0.01	0.2	39	0	0
Fluquinconazole	WHOLE	0.01	Not set	39	0	0
Flutriafol	WHOLE	0.01	Not set	39	0	0
Hexaconazole	WHOLE	0.01	Not set	39	0	0
Iprodione	WHOLE	0.01	Not set	39	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Penconazole	WHOLE	0.01	Not set	39	0	0
Procymidone	WHOLE	0.01	0.5	39	0	0
Propiconazole	WHOLE	0.01	Not set	39	0	0
Prothioconazole	WHOLE	0.01	0.7	39	0	0
Pyraclostrobin	WHOLE	0.01	Not set	39	0	0
Tebuconazole	WHOLE	0.01	0.2	39	0	0
Thiabendazole	WHOLE	0.01	Not set	39	0	0
Triadimefon	WHOLE	0.01	Not set	39	0	0
Triadimenol	WHOLE	0.01	Not set	39	0	0
Triticonazole	WHOLE	0.01	Not set	39	0	0

Table 6 HERBICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
2,4-D	WHOLE	0.01	0.05	39	0	0
Amitrole	WHOLE	0.01	0.01	9	0	0
Atrazine	WHOLE	0.01	Not set	39	0	0
Bromoxynil	WHOLE	0.01	Not set	39	0	0
Carfentrazone-ethyl	WHOLE	0.01	Not set	39	0	0
Chlorsulfuron	WHOLE	0.01	Not set	39	0	0
Clethodim	WHOLE	0.01	0.1	39	0	0
Clodinafop-propargyl	WHOLE	0.01	Not set	39	0	0
Clopyralid	WHOLE	0.01	Not set	39	0	0
Dicamba	WHOLE	0.01	Not set	39	0	0
Diclofop-methyl	WHOLE	0.01	Not set	9	0	0
Diflufenican	WHOLE	0.01	0.05	39	0	0
Diquat	WHOLE	0.01	1.0	9	0	0
Diuron	WHOLE	0.01	0.05	39	0	0
Fenoxaprop-ethyl	WHOLE	0.01	0.01	9	0	0
Flamprop-m-methyl	WHOLE	0.01	Not set	9	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Fluazifop-p-butyl	WHOLE	0.01	0.5	9	0	0
Glufosinate	WHOLE	0.01	Not set	9	0	0
Glyphosate	WHOLE	0.01	5.0	9	0	0
Haloxyfop	WHOLE	0.01	0.1	9	0	0
Iodosulfuron-methyl	WHOLE	0.01	Not set	39	0	0
MCPA	WHOLE	0.01	Not set	39	0	0
Metolachlor	WHOLE	0.01	0.05	39	0	0
Metosulam	WHOLE	0.01	Not set	39	0	0
Metsulfuron-methyl	WHOLE	0.01	0.05	39	0	0
Paraquat	WHOLE	0.01	1	9	0	0
Pendimethalin	WHOLE	0.01	0.05	39	0	0
Picloram	WHOLE	0.01	Not set	39	0	0
Sethoxydim	WHOLE	0.01	0.1	39	0	0
Simazine	WHOLE	0.01	0.05	39	0	0
Tralkoxydim	WHOLE	0.01	Not set	39	0	0
Triasulfuron	WHOLE	0.01	Not set	39	0	0
Triclopyr	WHOLE	0.01	Not set	39	0	0
Trifluralin	WHOLE	0.01	0.05	39	0	0

Table 7 FUMIGANTS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Phosphine	WHOLE	0.005	0.01	6	0	0

Table 8 ENVIRONMENTAL CONTAMINANTS - METALS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (number of detections)	
					> half Aust. Std ≤ Aust. Std	> Aust. Std
Cadmium	WHOLE	0.01	No limit	2	0	0
Lead	WHOLE	0.01	0.2	2	0	0
Mercury	WHOLE	0.01	No limit	2	0	0

LOR - Limit of reporting (mg/kg).

Not set - No standard has been set for the chemical in the edible matrix and any detection is a contravention of the Australia New Zealand Food Standards Code.

No limit - No standard applicable for the contaminant. The 'as low as reasonably achievable' principle applies. Detections at low levels are allowable.

n/a - Australian standard does not apply. No limit set or defined.