



**Singapore Maximum Residue Limits (MRLs) for pesticides registered<sup>1</sup> for use in Australia - COARSE GRAINS**

This information bulletin provides a list of maximum residue limits (MRLs) for pesticides registered<sup>1</sup> for use in Australian grain, pulses and oilseeds. Listed in the table are MRLs for Singapore. The main purpose of this bulletin is to inform growers, packers and marketers of the export requirements in regards to pesticide residues. The critical element of this information is that Australian MRLs do not apply to other countries and even though a pesticide may be registered in Australia, it may not be the case in that overseas country. If an MRL is 'not set', generally, Singapore will defer to the Codex MRL. Organisations marketing to overseas countries should be aware that the information provided below represents the official standards, but not necessarily the marketing requirements. Marketers should refer to the contractual arrangements concerning agreed residue limits.

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Active Constituents <sup>1</sup>	Maximum Residue Limits (mg/kg)										
	COARSE GRAINS										
	Wheat	Wheat Flour	Wheat bran	Barley	Rye	Oats	Sorghum	Maize	Triticale	Rice	Other cereals
<b>Agricultural Chemicals</b>											
2,4-D	0.50			0.50	0.50	0.20	0.20				0.20
2,4-DB											
acifluorfen										0.10	
amitrole											
atrazine							0.10	0.10			
azamethiphos											
azinphos-methyl	0.20			0.20	0.20	0.20	0.20		0.20		
azoxystrobin											
benomyl	0.05			5.00	0.05	0.05	0.05		0.05		

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	Wheat	Wheat Flour	Wheat bran	Barley	Rye	Oats	Sorghum	Maize	Triticale	Rice	Other cereals
<b>Agricultural Chemicals</b>											
bentazone											
bifenthrin											
bioresmethrin											
bitertanol											
bromoxynil											
butafenacil											
butoxydim											
captan											
carbaryl	5.00	0.2; 2.0 (wholemeal)	20.00	5.00		5.00	10.00			5.0 (in husk)	
carbendazim	0.50			0.50	0.50	0.50				0.50	
carbofuran	0.10			0.10		0.10		0.10		0.2 (hulled)	
carbon disulphide											
carboxin											
carfentrazone-ethyl											
chlormequat	5.0				5.0	5.0					
chloropicrin											
chlorothalonil	0.20			0.20		0.20	0.20				
chlorpyrifos										0.1 (in the husk)	
chlorpyrifos-methyl	10.0	2.0	20.0				10.0	10.0		0.1	
chlorsulfuron											
chlorthal-dimethyl											
clethodim											
clodinafop-propargyl											
clomazone											
clopyralid											
cloquintocet-mexyl											
cyanazine											
cyfluthrin											
cyhalothrin											

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	Wheat	Wheat Flour	Wheat bran	Barley	Rye	Oats	Sorghum	Maize	Triticale	Rice	Other cereals
<b>Agricultural Chemicals</b>											
cypermethrin	0.20			0.50				0.05			
deltamethrin	2.0	0.5; 2.0 (wholemeal)	5.0	2.0	2.0	2.0	2.0		2.0		
diazinon	0.10			0.10	0.10	0.10	0.10		0.10	0.1 (polished)	
dicamba											
dichlorvos	2.00	0.50	0.50	2.00	2.00	2.00	2.00		2.00		
diclofop-methyl											
difenoconazole											
diflufenican											
dimethoate											
diquat	2.00	0.2; 2.0 (wholemeal)	5.00	5.00			2.00	0.10		5.0 (in the husk); 0.2 (husked)	
dithiocarbamates (mancozeb, thiram)	0.50			0.50	0.50	0.50	0.50		0.50		
diuron											
endosulfan										0.1 (in the husk)	
EPTC											
esfenvalerate											
ethamsulfuron-methyl											
ethephon											
ethyl formate											
fenitrothion	10.00	1.00	20.0; 2.0 (processed)	10.00		10.00	10.00	10.00	10.00	1.0; 20.0 (raw rice bran)	
fenoxaprop-P-ethyl											
fenvalerate	5.00	0.2; 5.0 (wholemeal)	5.00	5.00		5.00	5.00		5.00		
fipronil											
flamprop-M-methyl											

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<b>Agricultural Chemicals</b>											
fluazifop-P											
fludioxonil											
flumetsulam											
flumioxazin											
fluquinconazole											
fluroxypyr											
flutriafol											
furathiocarb											
glufosinate ammonium											
glyphosate											
halosulfuron-methyl											
haloxyfop											
imazamox											
imazapic											
imazapyr											
imazethapyr											
imidacloprid											
indoxacarb											
iodosulfuron-methyl-sodium											
iprodione										3.00	
isoxaflutole											
linuron											
malathion/maldison	8.00	2.0 (incl. wholemeal)	20.0 (unprocessed)	8.00	2.0 (incl flour)	8.00	8.00			20.0 (unprocessed bran)	8.00
MCPA											
MCPB											
mefenpyr-diethyl											
mesosulfuron-methyl											
metalaxyl	0.05			0.05	0.05	0.05	0.05		0.05		
methabenzthiazuron											

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<b>Agricultural Chemicals</b>											
methamidophos											
methidathion								0.10			
methiocarb								0.05			
methomyl											
methoprene											
methyl bromide											
methyl bromide (bromide ion)											
metolachlor											
metosulam											
metribuzin											
metsulfuron-methyl											
omethoate											
oryzalin											
oxyfluorfen											
paraquat	0.05	2.0 (wholemeal)		0.05		0.05	0.50	0.10		0.5 (polished); 10.0 (in husk)	
parathion-methyl											
pendimethalin											
permethrin	2.00	2.00	10.00	2.00	2.00	2.00	2.00		2.00		
phenothrin											
phosmet								0.20			
phosphine											
picloram	0.20			0.20	0.20	0.20	0.20		0.20		
picolinafen											
piperonyl butoxide	20.00			20.00	20.00	20.00	20.00		20.00		
pirimicarb	0.05			0.05		0.05					
pirimiphos-methyl	10.00	2.00	20.00	10.00	5.0 (wholemeal flour)	10.00	10.00		10.00	5.0 (hulled); 1.0 (polished)	10.00
procymidone											

prometryn											
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<b>Agricultural Chemicals</b>											
propachlor											
propaquizafop											
propiconazole											
propyzamide											
pyrethrin	3.00			3.00	3.00	3.00	3.00		3.00		
pyridate											
quintozene											
quizalofop-P-ethyl											
sethoxydim											
simazine											
spinosad											
sulfosulfuron											
tebuconazole											
tepraloxydim											
terbufos											
terbutryn											
thiabendazole	0.20			0.20	0.20	0.20	0.20		0.20		
thiamethoxam											
thifensulfuron-methyl											
thiodicarb											
tralkoxydim											
triadimefon	0.20			0.10		0.10					
triadimenol											
tri-allate											
triasulfuron											
tribenuron-methyl											
trichlorfon	0.10			0.10	0.10	0.10	0.10		0.10		
triclopyr											

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<b>Agricultural Chemicals</b>											
tridemorph											
triflumuron											
trifluralin											
triticonazole											
<b>Environmental Contaminants</b>											
aldrin	0.02			0.02	0.02	0.02	0.02		0.02		
chlordane	0.02			0.02	0.02	0.02	0.02		0.02		
DDT	0.10			0.10	0.10	0.10	0.10		0.10		
dieldrin	0.02			0.02	0.02	0.02	0.02		0.02		
endrin	0.02			0.02	0.02	0.02	0.02		0.02		
HCB											
HCH (BHC)											
heptachlor	0.02			0.02	0.02	0.02	0.02		0.02		
lindane	0.50			0.50	0.50	0.50	0.50		0.50		0.50
PCB											

**This table has been compiled with reference to the information obtained from the following Food/Agricultural Authority or publication:**

**Source:** Revised Edition of Subsidiary Legislation *The Sale of Food Act (Chapter 283) - Ninth Schedule*

**Website address:**

<http://www.ava.gov.sg/NR/ronlyres/0CA18578-7610-4917-BB67-C7DF4B96504B/11405/FoodRegulations1.pdf>

**Notes:**

Wheat, barley, oats and sorghum are classified as cereal grains, and MRLs are included under each commodity.

Wheat flour is also classified as cereal grain milling fractions.

Wheat bran is classified as milled cereal products or cereal grain milling fractions.

not set = no MRL has been established for that chemical/commodity, default to the MRLs established by the Codex Alimentarius Commission.

**1** The registration status of the chemicals listed may vary for each commodity and in each State. Prior to using any chemical, consult the label and/or regulatory authority in your State. The persistent organochlorines listed under 'Environmental Contaminants' are no longer registered for use.