Australian Government
Department of Agriculture

# Macadamia Annual Report 2013 - 2014

## Table 1 Fungicides

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| carbendazim | Whole | 0.1 | 0.1 | 126 | 0 | 0 |
| difenoconazole | Whole | 0.01 | 0.01 | 126 | 0 | 0 |
| iprodione | Whole | 0.01 | 0.01 | 126 | 0 | 0 |
| metalaxyl | Whole | 0.1 | 1 | 126 | 0 | 0 |
| pyraclostrobin | Whole | 0.01 | 0.01 | 126 | 0 | 0 |

## Table 2 Herbicides

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| glufosinate | Whole | 0.02 | 0.1 | 4 | 0 | 0 |
| glyphosate | Whole | 0.02 | 0.2 | 4 | 0 | 0 |
| diquat | Whole | 0.02 | 0.05 | 4 | 0 | 0 |
| oxyfluorfen | Whole | 0.01 | 0.05 | 126 | 0 | 0 |
| paraquat | Whole | 0.02 | 0.05 | 4 | 0 | 0 |

## Table 3 Insecticides - Carbamates

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| carbaryl | Whole | 0.05 | 1 | 126 | 0 | 0 |

## Table 4 Insecticides - Organophosphates

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| acephate | Whole | 0.05 | 0.1 | 126 | 0 | 0 |
| azinphos-methyl | Whole | 0.01 | 0.01 | 126 | 0 | 0 |
| chlorpyrifos | Whole | 0.01 | 0.05 | 126 | 0 | 0 |
| diazinon | Whole | 0.05 | 0.1 | 126 | 0 | 0 |
| methidathion | Whole | 0.01 | 0.01 | 126 | 0 | 0 |
| trichlorfon | Whole | 0.05 | 0.1 | 126 | 0 | 0 |

## Table 5 Insecticides - Pyrethroid

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| cyfluthrin (sum of isomers) | Whole | 0.01 | 0.05 | 126 | 0 | 0 |
| deltamethrin | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| permethrin (sum of isomers) | Whole | 0.01 | Not Set | 126 | 0 | 0 |

## Table 6 Insecticides - Other

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| methoxyfenozide | Whole | 0.01 | 0.05 | 126 | 0 | 0 |
| tebufenozide | Whole | 0.02 | 0.05 | 126 | 0 | 0 |

## Table 7 Contaminant - Organochlorine

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| aldrin and dieldrin (HHDN+HEOD) | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| chlordane | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| DDT | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| dicofol | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| endosulfan | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| endrin | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| HCB (hexachlorobenzene) | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| HCH (or BHC) | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| heptachlor | Whole | 0.01 | Not Set | 126 | 0 | 0 |
| lindane (gamma-HCH) | Whole | 0.01 | Not Set | 126 | 0 | 0 |

## Table 8 Contaminant - Heavy Metals

| Chemical | Matrix | LOR (mg/kg) | Australia Std (mg/kg) | Number of Samples Tested | > ½ MRL to ≤ MRL | Above MRL |
|---|---|---|---|---|---|---|
| arsenic - Total | Whole | 0.05 | No Limit | 7 | 0 | n/a |
| cadmium | Whole | 0.01 | No Limit | 7 | 0 | n/a |
| lead | Whole | 0.01 | No Limit | 7 | 0 | n/a |
| mercury | Whole | 0.01 | No Limit | 7 | 0 | n/a |

LOR = Limit of reporting
Aust. Std = Australian Standard
Not set - No Australian 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 Australian Standard applicable for the contaminant. The 'as low as reasonably achievable' principle applies. Detections at low levels are allowable.

*Disclaimer: Although the Australian Government has exercised due care and skill in the preparation and compilation of this publication, it does not warrant its accuracy, completeness, currency or suitability for any purpose. To the maximum extent permitted by law, the Australian Government disclaims all liability including liability in negligence for any loss, damage, cost or expense incurred by persons as a result of accessing, using or relying upon any of the information or data set out in this publication. Before relying on the material in any matters, users should carefully evaluate its accuracy, currency, completeness and relevance for the purposes intended, and should obtain any appropriate professional advice relevant to their particular circumstances.*