

LIST OF TREATMENT APPENDICES (NZ MPI/DEPARTMENT OF AGRICULTURE BILATERAL QUARANTINE ARRANGEMENT)

APPENDIX NUMBER	TREATMENT	SPECIFICATION	COMMODITY
1	Fruit Fly Pest Free Area	“Country freedom” from exotic fruit flies	All fruit fly host material covered by a valid import health standard
2	Fruit Fly Pest Free Area	“In country” pest free areas [Parts of New South Wales, South Australia, Victoria, Tasmania and Western Australia]	All fruit fly host material covered by a valid import health standard
3	Methyl Bromide Fumigation	40g/m ³ for 2 hours at a flesh temperature of 17°C and above at a loading of not greater than 50% chamber capacity 48 g/m ³ for 3 hrs at a flesh temperature >15°C at a loading of not greater than 50% chamber capacity 32 g/m ³ for 4 hrs at a flesh temperature of 21-26°C at a loading of not greater than 50% chamber capacity	Capsicum (<i>Capsicum annuum</i>) (NB. In addition to Appendix 10) Strawberry (<i>Fragaria sp.</i>) Watermelon (<i>Citrullus lanatus</i>) (NB. In addition to Appendix 10)
4	Dimethoate Dip/Spray	Dipped or flood sprayed in Dimethoate at 400ppm active ingredient for 1 minute	Capsicum (<i>Capsicum annuum</i>) Cucumber (<i>Cucumis sativus</i>) Honeydew Melon (<i>Cucumis melo</i>) Rockmelon (<i>Cucumis melo</i>) Scallopini (<i>Cucurbita pepo</i>) Tomato (<i>Lycopersicon esculentum</i>) Zucchini (<i>Cucurbita pepo</i>)
5	Cold Disinfestation (standard rates)	The core temperature of the fruit to be held continuously at one of the following temperature/time combinations immediately before export or in-transit. 1°+/- 0.2°C for 16 days 0°C or below for 13 days or 1°+/- 0.6°C for 16 days	Avocado (<i>Persea americana</i>) All Citrus spp. including: Tangelo (<i>Citrus reticulata x paradisi</i>) Lime (<i>Citrus aurantiifolia</i>) & Grape (<i>Vitis vinifera</i>) Pear (<i>Pyrus sp.</i>)
5a	Contingency rate for Queensland fruit fly (<i>Bactrocera tryoni</i>) outbreak in a PFA.	3°C (±0.5°C) for 14 days	Grapefruit (<i>Citrus paradisi</i>) Lemon (<i>Citrus limon</i>)
5b	Contingency rate for Queensland fruit fly (<i>Bactrocera tryoni</i>) outbreak in a PFA.	3°C (±0.5°C) for 16 days	Mandarin (<i>Citrus reticulata</i>) Orange (<i>Citrus sinensis</i>) Tangerine (<i>Citrus reticulata</i>) Tangor (<i>Citrus reticulata x sinensis</i>)
5c	Contingency rate for Mediterranean fruit fly (<i>Ceratitidis</i>)	2°C (±0.5°C) for 18 days or	Grapefruit (<i>Citrus paradisi</i>) Mandarin (<i>Citrus reticulata</i>) Orange (<i>Citrus sinensis</i>)

	<i>capitata</i>) outbreak in a PFA.	3°C (±0.5°C) for 20 days	Tangerine (<i>Citrus reticulata</i>) Tangor (<i>Citrus reticulata</i> x <i>sinensis</i>)
5d	Contingency rate for Mediterranean fruit fly (<i>Ceratitits capitata</i>) outbreak in a PFA.	2°C (±0.5°C) for 16 days or 3°C (±0.5°C) for 18 days	Lemon (<i>Citrus limon</i>)
6	Non-host Status	Non-host status based on maturity	Pineapple (<i>Ananas comosus</i>) Banana (<i>Musa</i> spp.)
7	Heat Treatment	T.B.A	T.B.A
8	Not allocated to a treatment		
9	Not allocated to a treatment		
10	Field Control Programmes	Field control programmes (as a component of other treatment applications).	Capsicum (<i>Capsicum annum</i>) Cucumber (<i>Cucumis sativus</i>) Honeydew Melon (<i>Cucumis melo</i>) Rockmelon (<i>Cucumis melo</i>) Tomato (<i>Lycopersicon esculentum</i>) Watermelon (<i>Citrullus lanatus</i>) Scallopini (<i>Cucurbita pepo</i>) Zucchini (<i>Cucurbita pepo</i>)
11	Winter Window	Field control programmes and imports from 1 May – 1 September only.	Cucumber (<i>Cucumis sativus</i>) Honeydew Melon (<i>Cucumis melo</i>) Rockmelon (<i>Cucumis melo</i>) Watermelon (<i>Citrullus lanatus</i>) Scallopini (<i>Cucurbita pepo</i>) Zucchini (<i>Cucurbita pepo</i>)
12	Irradiation	Irradiated with a minimum dose of 150 Gy. Note: Irradiation accepted as a treatment for other regulated arthropod pests using 250 Gy. Irradiation with a minimum dose of 150 Gy.	Lychee (<i>Litchi chinensis</i>) Mango (<i>Mangifera indica</i>) Papaya /Pawpaw (<i>Carica papaya</i>) Capsicum (<i>Capsicum annum</i>) Tomato (<i>Lycopersicon esculentum</i>) <u>Table grapes (<i>Vitis vinifera</i>)</u>

CONOGETHES PUNCTIFERALIS, THRIPS PALMI AND REGULATED ARTHROPOD PESTS* TREATMENT SPECIFICATIONS – CAPSICUMS, TOMATOES, ZUCCHINI AND GRAPES

TREATMENT	TARGET ORGANISM	SPECIFICATION	COMMODITY
In-field controls	<i>Conogethes punctiferalis</i>	Lepidoptera field control programmes throughout the production season	Capsicum (<i>Capsicum annuum</i>)
	<i>Thrips palmi</i>	Thysanoptera field control programmes throughout the production season	Zucchini (<i>Cucurbita pepo</i>)
Methyl bromide fumigation	<i>Conogethes punctiferalis</i>	Fumigated at 32g/m ³ for 2 hours at a flesh temperature of 21°C and above at a loading of not greater than 50% chamber capacity	Capsicum (<i>Capsicum annuum</i>)
	<i>Thrips palmi</i>		Zucchini (<i>Cucurbita pepo</i>)
Irradiation	<i>Conogethes punctiferalis</i>	Irradiated with a minimum dose of 28950 Gy	Capsicum (<i>Capsicum annuum</i>) <u>Table grapes (<i>Vitis vinifera</i>)</u>
	Regulated arthropod pests*	Irradiated with a minimum dose of 400 Gy	Capsicum (<i>Capsicum annuum</i>) Tomato (<i>Lycopersicon esculentum</i>)

*These regulated pests include those listed on the commodity IHS that are not known to vector diseases.

Scientific Name: *Vitis vinifera*

Common Name: Grape

Country: Australia

PHYTOSANITARY CERTIFICATE - ADDITIONAL DECLARATIONS

The grapes in this consignment have:

- (i) been inspected in accordance with appropriate official procedures and found to be free from any visually detectable quarantine pests, specified by the New Zealand Ministry for Primary Industries.

AND

- (ii) undergone appropriate pest control activities that are effective against:

Conogethes punctiferalis
Latrodectus hasselti
Maconellicoccus hirsutus

OR

been sourced from an area free (verified by an official detection survey) from the following:

Conogethes punctiferalis
Maconellicoccus hirsutus

AND

- (iii) treated in accordance with the Appendix 2, ~~or 5~~ or 12 of the Arrangement between the New Zealand Ministry for Primary Industries and the Australian Quarantine and Inspection Service concerning the access of host material of fruit fly species of economic significance into New Zealand from Australia.

OTHER INFORMATION:

Note: For *Latrodectus hasselti*, either an additional declaration is required whereby *Latrodectus hasselti* is treated using forced air fumigation with a mixture of sulphur dioxide (1%) and carbon dioxide (6%) for 30 minutes OR the treatment specification for *Latrodectus hasselti* is detailed in the treatment section of the phytosanitary certificate.

- Specific Import health standard available at: <http://www.mpi.govt.nz/document-vault/1809>