

ENVIRONMENTAL RISK MANAGEMENT AUTHORITY

THE BULLETIN

NEW ORGANISMS

The Bulletin is published eleven times per year. It is a listing of applications being processed and the Authority's decisions as well as other activities under the Hazardous Substances and New Organisms (HSNO) Act. The public register is the official record of all applications received and any controls attached to approvals and may be viewed at our Wellington office. Alternatively, you may view the applications and associated documents on the ERMA New Zealand website: www.ermanz.govt.nz

NEW ORGANISMS

NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

The applications in the Bulletin are for reference only. Our public notification process includes alerts in four main daily newspapers with full information and submission forms available on our website.

To ensure that you are advised directly about applications open for public submission contact us at info@ermanz.govt.nz to be added to our interested party list. You will need to nominate the types of applications that you are interested in.

Applicant: West Coast Ragwort Control Trust

Application Code: NOR05002

Purpose: Approval is sought by the West Coast Ragwort Control Trust to import for release two new moths, *Cochylis atricapitana* (Tortricidae) and *Platyptilia isodactyla* (Pterophoridae), for the biological control of the pasture weed ragwort

Date Publicly Notified: 15 November 2005

Location: Please contact ERMA New Zealand

NON-NOTIFIED APPLICATIONS RECEIVED

Applicant: IRL BioPharm

Application Code: NOC05004

Purpose: To import into containment and develop at laboratory scale, novel, marine-adapted Actinomycetes that express novel secondary metabolites. The aim is to assess the potential of the metabolites as biopharmaceuticals

Date Formally Received: 26 August 2005

Applicant: Photonz Corp Limited

Application Code: NOC05007

Purpose: Photonz Corporation Limited is developing nutritional products from naturally occurring micro-algae. The purpose of this application is to seek approval to import into containment 2 microalgal species to conduct liquid cultures under a development application

Date Formally Received: 09 September 2005

Please feel free to photocopy this material. Acknowledgement of ERMA New Zealand would be appreciated.

ERMA NEW ZEALAND

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ENVIRONMENTAL RISK MANAGEMENT AUTHORITY
NGĀ KAIWHAKATŪPATO WHAKARARU TAIAO



DECISIONS ON APPLICATIONS

The Environmental Risk Management Authority amended the following approval:

Applicant: New Zealand Institute for Crop and Food Research Limited

Application Code: GMF03001

Purpose: To field test onions modified for tolerance to the herbicide glyphosate, and to evaluate their environmental impact; herbicide tolerance; agronomic performance; development as cultivars and equivalency to non-genetically modified onions

Decision Amendment Date: 12 September 2005

Amendment: To make minor amendments to the controls to allow the field test to proceed more efficiently and produce more relevant data

DELEGATED AUTHORITY

The Chief Executive of the Environmental Risk Management Authority, acting under delegated power from the Authority, reached a decision on the following applications:

Applicant: Horizon2 Partnership Limited

Application Code: GMD05080

Purpose: Improvement of selected, high-value strains of *Eucalyptus* bred for plantation forestry, to better meet the requirements of foresters and pulp mills in regions overseas where *Eucalyptus* is a primary source of fibre

Decision Notified: 09 September 2005

Decision: Approved with Controls

Description of Organisms:

Host organism	Category of host organism	Modified by:	Category of modification/containment level
<i>Escherichia coli</i> (Migula 1895) Castellani & Chalmers 1919 non pathogenic laboratory strains	1	Standard <i>Escherichia coli</i> cloning plasmid vectors and non-tumourigenic binary plasmid vectors containing open reading frames derived from angiosperms and conifers, encoding either proteins or non-translated RNA sequences which are designed to: 1. control the biochemical composition of the wood and/or the wood anatomy; 2. confer tolerance to cold and other abiotic stressors;	A/PC1
<i>Agrobacterium tumefaciens</i> (Smith & Townsend 1907) Conn 1942 non pathogenic laboratory strains	1		A/PC1

Host organism	Category of host organism	Modified by:	Category of modification/containment level
<i>Nicotiana tabacum</i> Linnaeus. <i>In vitro</i> cultures	1	3. alter tree growth rate or habit (i.e. apical dominance, branching pattern, leaf morphology);	A/PC1
<i>Eucalyptus</i> l'Heritier (1778) spp. <i>In vitro</i> cultures	1	4. enhance <i>in vitro</i> morphogenic capacity; 5. reduce or eliminate plant gametic viability. The vectors may also contain the barnase and barstar genes, sourced from <i>Bacillus amyloliquefaciens</i> .	A/PC1
<i>Nicotiana tabacum</i> Linnaeus Whole plants	2	Standard non-tumourigenic binary plasmid vectors containing open reading frames derived from angiosperms and conifers, encoding either proteins or non-translated RNA sequences which are designed to:	B/PC2
<i>Eucalyptus</i> l'Heritier (1778) spp. Whole plants	2	1. control the biochemical composition of the wood and/or the wood anatomy; 2. confer tolerance to cold and other abiotic stressors; 3. alter tree growth rate or habit (i.e. apical dominance, branching pattern, leaf morphology); 4. enhance <i>in vitro</i> morphogenic capacity; 5. reduce or eliminate plant gametic viability. The vectors may also contain the barnase and barstar genes, sourced from <i>Bacillus amyloliquefaciens</i> .	B/PC2

ERMA Approval Code: GMD003921 - 24

BCH Number: 10350 - 53

Controls:

In order to provide for the matters detailed in Part 1 of the Third Schedule of the Act¹, Containment Controls for Importation, Development and Field Testing of Genetically Modified Organisms, and other matters in order to give effect to the purpose of the Act, the approved organism is subject to the following controls:

1. To limit the likelihood of any accidental release of any organism or any viable genetic material².

- 1.1 The approved organism shall be developed and maintained within a containment facility which complies with these controls.
- 1.2 The person responsible for a particular research area and/or the person responsible for the operation of the containment facility shall inform all personnel involved in the handling of the organism of the Authority's controls.
- 1.3 The facility shall be approved and registered by MAF as a containment facility under section 39 of the Biosecurity Act, in accordance with the MAF/ERMA New Zealand Standard (below), and controls imposed by the Authority (as follows):

1.4 DNA manipulations and cloning using *Escherichia coli* and *Agrobacterium tumefaciens* and *Eucalyptus* in vitro cultures and *Nicotiana tabacum* in vitro cultures:

The construction and operation of the containment facility shall be in accordance with the MAF/ERMA New Zealand Standard 154.03.02³: Containment Facilities for Microorganisms, and the Australian New Zealand Standard AS/NZS 2243.3: 2002³ Safety in Laboratories: Part 3: Microbiological Aspects and Containment Facilities for category 1 host organisms with category A genetic modifications shall be contained in a minimum of Physical Containment level 1 (PC1).

1.5 Maintenance of whole plants in plant house (greenhouse):

The construction and operation of the containment facility shall be in accordance with the MAF/ERMA New Zealand Standard 155.04.09³: Containment Facilities for New Organisms, including genetically modified

organisms, of Plant Species and the Australian New Zealand Standard AS/NZS 2243.3: 2002³ Safety in Laboratories: Part 3: Microbiological Aspects and Containment Facilities for category 2 host organisms with category B genetic modifications contained in a minimum of PC2 containment.

1.6 Additional control for PC2 whole plant laboratory work:

Where whole plants grown in the PC2 plant house are allowed to develop reproductive structures, such structures will be bagged to contain pollen and subsequent seed.

2. To exclude unauthorised people from the facility.

- 2.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in controls 1.4 and 1.5 relating to the identification of entrances, numbers of and access to entrances and security requirements for the entrances and the facility.

3. To exclude other organisms from the facility and to control undesirable and unwanted organisms within the facility.

- 3.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in controls 1.4 and 1.5 relating to the exclusion of other organisms from the facility and the control of undesirable and unwanted organisms within the facility.

4. To prevent unintended release of the organism by experimenters working with the organism.

- 4.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in controls 1.4 and 1.5 relating to the prevention of unintended release of the organism by experimenters working with the organism.

5. To control the effects of any accidental release or escape of an organism.

- 5.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in controls 1.4 and 1.5 relating to controlling the effects of any accidental release or escape of an organism.
- 5.2 If for any reason a breach of containment occurs, the facility Supervisor, MAF Biosecurity New Zealand and ERMA New Zealand shall be promptly notified as soon as it is practicable.

1 Bold headings in the following text refer to Matters to be Addressed by Containment Controls for Import, Development and Field Testing of Genetically Modified Organisms, specified in the Third Schedule of the Act.

2 Viable Genetic Material is biological material that can be resuscitated to grow into tissues or organisms. It can be defined to mean biological material capable of growth even though resuscitation procedures may be required, e.g. when organisms or parts thereof are sub-lethally damaged by being frozen, dried, heated, or affected by chemical.

3 Or any updated Standard endorsed by ERMA New Zealand or MAF Biosecurity New Zealand.

- 5.3 In the event of any breach of containment of the organism, the contingency plan for the attempted retrieval or destruction of any viable material of the organism that has escaped shall be implemented immediately. The contingency plan shall be included in the containment manual in accordance with the requirements of standards listed in controls 1.4 and 1.5.
6. **Inspection and monitoring requirements for containment facilities.**
- 6.1 The operation of the containment facilities shall comply with the requirements contained in the standards listed in controls 1.4 and 1.5 relating to the inspection and monitoring requirements for containment facilities.
- 6.2 The Authority, or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
- 6.3 The containment manual shall be updated, as necessary, to address the implementation of the controls imposed by this approval, in accordance with the standards listed in controls 1.4 and 1.5.
7. **Qualifications required of the persons responsible for implementing those controls.**
- 7.1 The training of personnel working in the facility shall be in compliance with the standards listed in controls 1.4 and 1.5.

Applicant: University of Otago

Application Code: S2605002

Purpose: The purpose of this application is to have 26 species of microalgae declared as already present in New Zealand, and therefore classify as not new organisms under section 26 of the HSNO Act

Decision Notified: 21 September 2005

Decision: Determined to be not new organisms

Description of Organisms:

ID. No.	Species	Authority	NOC99013 approval code
1	<i>Chaetoceros calcitrans</i>	Paulsen	NOC001257
2	<i>Chaetoceros muelleri</i>	Lemmermann	NOC001261
3	<i>Chlorella minutissima</i>	Fott and Nováková	NOC001279
4	<i>Dunaliella primolecta</i>	Butcher	NOC001317
5	<i>Dunaliella salina</i>	(Dunal) Teodoresco	NOC001318
6	<i>Dunaliella tertiolecta</i>	Butcher	NOC001319
7	<i>Haematococcus pluvialis</i>	(Flot.) Wille	NOC001445
8	<i>Isochrysis galbana</i>	Parke	NOC001451
9	<i>Nannochloris atomus</i>	Butcher	NOC001502
10	<i>Nannochloropsis oculata</i>	(Droop) Hibberd	NOC001505
11	<i>Nitzschia closterium</i>	Reimann and Lewin	NOC001509
12	<i>Nitzschia frustulum</i>	(Kützing) Grunow	NOC001511
13	<i>Nitzschia laevis</i>	Hustedt	NOC001512
14	<i>Nitzschia ovalis</i>	Kütz	NOC001513
15	<i>Nitzschia paleacea</i>	Grunow	Not applicable
16	<i>Pavlova lutheri</i>	Droop	NOC001521
17	<i>Porphyridium cruentum</i> (synonym of 18)	(Gray) Nageli	NOC001536
18	<i>Porphyridium purpureum</i>	(Lamarck ex Bory de St.-Vincent) Drew and Ross	NOC001537
19	<i>Rhodomonas lens</i>	Pascher and Ruttner	NOC001565
20	<i>Rhodomonas salina</i>	(Wislouch) Hill and Wetherbee	NOC001566
21	<i>Skeletonema costatum</i>	(Greville) Cleve	NOC001577
22	<i>Tetraselmis chuii</i>	Butcher	NOC001607
23	<i>Tetraselmis striata</i>	Butcher	Not applicable
24	<i>Tetraselmis suecica</i>	(Kylin) Butcher	NOC001610
25	<i>Thalassiosira pseudonana</i>	(Hustedt) Hasle and Heimdal	NOC001615
26	<i>Thalassiosira weissflogii</i>	(Grunow) Fryxell and Hasle	NOC001617

ID. No.	Synonym	Authority	Synonym of
1	<i>Neodesmus pupukensis</i>	(Fott and Nováková) E. Hegewald and Hanagata	<i>Chlorella minutissima</i>
2	<i>Isochrysis aff. galbana T-Iso</i> or Tahitian strain and var <i>tahitiana</i>	Not stated	<i>Isochrysis galbana</i>
3	<i>Nitzschia inconspicua</i>	Grunow	<i>Nitzschia frustulum</i>
4	<i>Porphyridium cruentum</i>	(Gray) Nageli	<i>Porphyridium purpureum</i>
5	<i>Chroomonas salina</i>	Not stated	<i>Rhodomonas salina</i>
6	<i>Skeletonema marinoi</i>	Not stated	<i>Skeletonema costatum</i>

The Auckland University approval (application code NOC99013) to hold within containment *Chaetoceros calcitrans* (approval code NOC001257), *Chaetoceros muelleri* (approval code NOC001261), *Chlorella minutissima* (approval code NOC001279), *Dunaliella primolecta* (approval code NOC001317), *Dunaliella salina* (approval code NOC001318), *Dunaliella tertiolecta* (approval code NOC001319), *Haematococcus pluvialis* (approval code NOC001445), *Isochrysis galbana* (approval code NOC001451), *Nannochloris atomus* (approval code NOC001502), *Nannochloropsis oculata* (approval code NOC001505), *Nitzschia closterium* (approval code NOC001509), *Nitzschia frustulum* (approval code NOC001511), *Nitzschia ovalis* (approval code NOC001513), *Nitzschia laevis* (approval code NOC001512), *Pavlova lutheri* (approval code NOC001521), *Porphyridium purpureum* (approval code NOC001537), *Porphyridium cruentum* (approval code NOC001536), *Rhodomonas lens* (approval code NOC001565), *Rhodomonas salina* (approval code NOC001566), *Chroomonas salina* (approval code NOC001285), *Skeletonema costatum* (approval code NOC001577), *Tetraselmis chunii* (approval code NOC001607), *Tetraselmis suecica* (approval code NOC001610), *Thalassiosira pseudonana* (approval code NOC001615) and *Thalassiosira weissflogii* (approval code NOC001617) is therefore not operative.

Applicant: Christchurch Botanic Gardens

Application Code: NOR04003

Purpose: To grow Wollemi pine (*Wollemia nobilis*) in the Christchurch Botanic Gardens as a conservation awareness, and education icon and focal point for the Garden's developing Gondwana flora project

Decision Notified: 26 September 2005

Decision: Approved

Description of Organisms: *Wollemia nobilis* Jones, Hill & Allen, 1995

ERMA Approval Code: NOR000010

Applicant: Horticulture and Food Research Institute**Application Code: GMD05082**

Purpose: The purpose of this research is to better understand the biochemical change that mammalian cell undergo in the presence of a variety of foods or a food component

Decision Notified: 30 September 2005

Decision: Approved with Controls

Description of Organisms:

Host organism	Category of host organism	Modified by:	Category of modification/containment level
<i>Escherichia coli</i> (Migula 1895) Castellani & Chalmers 1919 non-pathogenic laboratory strains	1	Standard non-conjugative <i>Escherichia coli</i> cloning and expression plasmid vectors containing DNA derived from humans encoding a range of genes and promoters involved in signalling, transcription, response to inflammation and other biochemical pathways. Vectors may also contain standard and commercially available selectable markers and reporter genes but shall not contain human genes sourced from Māori or genes encoding known vertebrate toxins.	A/PC1
<i>Saccharomyces cerevisiae</i> Meyen ex E.C. Hansen (1883) common laboratory strains	1	Standard non-conjugative <i>Escherichia coli</i> cloning and expression plasmid vectors containing DNA derived from humans encoding a range of genes and promoters involved in signalling, transcription, response to inflammation and other biochemical pathways. Vectors may also contain standard and commercially available selectable markers and reporter genes but shall not contain human genes sourced from Māori or genes encoding known vertebrate toxins.	A/PC1
<i>Homo sapiens</i> Linnaeus, 1758, cell lines ⁴ <i>Mus musculus</i> Linnaeus, 1758, cell lines <i>Bos taurus</i> Linnaeus, 1758, cell lines <i>Cercopithecus aethiops</i> Linnaeus, 1758, cell lines <i>Rattus norvegicus</i> Linnaeus, 1758, cell lines <i>Ovis aries</i> Linnaeus, 1758, cell lines	1	Standard non-conjugative <i>Escherichia coli</i> cloning and expression plasmid vectors containing DNA derived from humans encoding a range of genes and promoters involved in signalling, transcription, response to inflammation and other biochemical pathways. Vectors may also contain standard and commercially available selectable markers and reporter genes but shall not contain human genes sourced from Māori or genes encoding known vertebrate toxins.	A/PC1

⁴ Excluding human embryonic stem cell lines and cell lines derived from people of Māori origin.

ERMA Approval Code: GMD003942 - 49

BCH Number: 10471 - 78

Controls:

In order to provide for the matters detailed in Part 1 of the Third Schedule of the Act⁵, Containment Controls for Importation, Development and Field Testing of Genetically Modified Organisms, and other matters in order to give effect to the purpose of the Act, the approved organism is subject to the following controls:

1. To limit the likelihood of any accidental release of any organism or any viable genetic material⁶.

- 1.1 The approved organism shall be developed and maintained within a containment facility which complies with these controls.
- 1.2 The person responsible for a particular research area and/or the person responsible for the operation of the containment facility shall inform all personnel involved in the handling of the organism of the Authority's controls.
- 1.3 The facility shall be approved and registered by MAF as a containment facility under section 39 of the Biosecurity Act, in accordance with the MAF/ERMA New Zealand Standard (below), and controls imposed by the Authority (as follows):
- 1.4 The construction and operation of the containment facility shall be in accordance with the MAF Biosecurity Authority/ERMA New Zealand Standard 154.03.02⁷: Containment Facilities for Microorganisms, and the Australian New Zealand Standard AS/NZS 2243.3: 2002: Safety in Laboratories: Part 3: Microbiological Aspects and Containment Facilities, under a minimum of Physical Containment level 1 (PC1).

2. To exclude unauthorised people from the facility.

- 2.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.4 relating to the identification of entrances, numbers of and access to entrances and security requirements for the entrances and the facility.

3. To exclude other organisms from the facility and to control undesirable and unwanted organisms within the facility.

- 3.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.4 relating to the exclusion of other organisms from the facility and the control of undesirable and unwanted organisms within the facility.

4. To prevent unintended release of the organism by experimenters working with the organism.

- 4.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.4 relating to the prevention of unintended release of the organism by experimenters working with the organism.

5. To control the effects of any accidental release or escape of an organism.

- 5.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.4 relating to controlling the effects of any accidental release or escape of an organism.
- 5.2 If for any reason a breach of containment occurs, the facility Supervisor, MAF Biosecurity New Zealand and ERMA New Zealand shall be promptly notified as soon as it is practicable.
- 5.3 In the event of any breach of containment of the organism, the contingency plan for the attempted retrieval or destruction of any viable material of the organism that has escaped shall be implemented immediately. The contingency plan shall be included in the containment manual in accordance with the requirements of standards listed in control 1.4.

6. Inspection and monitoring requirements for containment facilities.

- 6.1 The operation of the containment facilities shall comply with the requirements contained in the standards listed in control 1.4 relating to the inspection and monitoring requirements for containment facilities.
- 6.2 The Authority, or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
- 6.3 The containment manual shall be updated, as necessary, to address the implementation of the controls imposed by this approval, in accordance with the standards listed in control 1.4.

⁵ Bold headings in the following text refer to Matters to be Addressed by Containment Controls for Import, Development and Field Testing of Genetically Modified Organisms, specified in the Third Schedule of the Act.

⁶ Viable Genetic Material is biological material that can be resuscitated to grow into tissues or organisms. It can be defined to mean biological material capable of growth even though resuscitation procedures may be required, e.g. when organisms or parts thereof are sub-lethally damaged by being frozen, dried, heated, or affected by chemical.

⁷ Or any updated Standard endorsed by ERMA New Zealand and MAF Biosecurity New Zealand.

7. Qualifications required of the persons responsible for implementing those controls.

- 7.1 The training of personnel working in the facility shall be in compliance with the standards listed in control 1.4.

The following applications were decided by institutions acting under delegated powers from the Authority.

Applicant: AgResearch Limited

Institute Code: GMO05/ARR003

Application Code: GMD05084

Purpose: Livestock (Cattle, Sheep, and Deer) embryos will be genetically modified for research purposes to investigate cattle, sheep and deer genes and regulatory elements involved in the developmental processes

Decision Notified: 26 September 2005

Description of Organism: *Bos taurus* Linneaus 1578

Bos taurus (embryos) as modified by mammalian transcription factors and regulatory elements

In most experiments vectors will not be used to transform the cattle embryos, however, vectors such as commercially available BAC and YAC vectors may be used

Constructs may be functional over-expression constructs (including those with targeted sequence mutations), RNAi constructs, dominant negative constructs and reporter system models using a range of standard and commercially available reporter genes and selectable markers such as Green Fluorescent Protein derived from *Aqueorea victoria*. A variety of standard commercially available non-mammalian regulatory regions may be used including CMV and TK promoters and Internal Ribosome Entry Sites (IRES)

No human DNA derived from Māori shall be used

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003935

BCH Number: 10458

Description of Organism: *Cervus elaphus*
Linneaus 1578

Cervus elaphus (embryos) as modified by mammalian transcription factors and regulatory elements

In most experiments vectors will not be used to transform the deer embryos, however, vectors such as commercially available BAC and YAC vectors may be used

Constructs may be functional over-expression constructs (including those with targeted sequence mutations), RNAi constructs, dominant negative constructs and reporter system models using a range of standard and commercially available reporter genes and selectable markers such as Green Fluorescent Protein derived from *Aqueorea victoria*. A variety of standard commercially available non-mammalian regulatory regions may be used including CMV and TK promoters and Internal Ribosome Entry Sites (IRES)

No human DNA derived from Māori shall be used.

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003936

BCH Number: 10459

Description of Organism: *Ovis aries*
Linneaus 1578

Ovis aries (embryos) as modified by mammalian transcription factors and regulatory elements

In most experiments vectors will not be used to transform the sheep embryos, however, vectors such as commercially available BAC and YAC vectors may be used

Constructs may be functional over-expression constructs (including those with targeted sequence mutations), RNAi constructs, dominant negative constructs and reporter system models using a range of standard and commercially available reporter genes and selectable markers such as Green Fluorescent Protein derived from *Aqueorea victoria*. A variety of standard

commercially available non-mammalian regulatory regions may be used including CMV and TK promoters and Internal Ribosome Entry Sites (IRES)

No human DNA derived from Māori shall be used

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003937

BCH Number: 10460

Applicant: Genesis Research and Development Corporation Limited

Institute Code: GMO05/GR051

Application Code: GMD05085

Purpose: To identify and study regulators of plant vascular and cell wall development and floral control, in both transformed whole plants and plant cellular systems to determine their relevance to biomass

The following approved organisms are modified with:

Modification: Tissue culture and cell lines modified with non-conjugative plasmid vectors containing genes, putative promoters, and micro-RNA sequences derived from *Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Populus tremula* L. x *Populus tremuloides* Michx. (Aspen), *Festuca arundinacea* (fescue grass), *Lolium perenne* and *Lolium multiflorum* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon), *Cucurbita maxima* (pumpkin), *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Nicotiana tabacum*, *Nicotiana benthamiana*, *Zinnia elegans*, *Salix* spp. (including hybrids), *Cucurbita moschata*, *Sicyos angulatus*, *Oryza sativus*, *Lycopersicum esculentum*, *Medicago truncatula*, *Lotus japonicus*, *Solanum tuberosum* and *Zea mays*, that are involved in regulation of plant vascular and cell wall development and floral control

And

Whole plants modified with non-conjugative plasmid vectors containing genes, putative promoters, and micro-RNA sequences derived from *Populus*

balsamifera, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Populus tremula* L. x *Populus tremuloides* Michx. (Aspen), *Festuca arundinacea* (fescue grass), *Lolium perenne* and *Lolium multiflorum* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon), *Cucurbita maxima* (pumpkin), *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Nicotiana tabacum*, *Nicotiana benthamiana*, *Zinnia elegans*, *Salix* spp. (including hybrids), *Cucurbita moschata*, *Sicyos angulatus*, *Oryza sativus*, *Lycopersicum esculentum*, *Medicago truncatula*, *Lotus japonicus*, *Solanum tuberosum* and *Zea mays*, that are involved in regulation of plant vascular and cell wall development and floral control

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Description of Organism: *Arabidopsis thaliana* (L.) Heynh (1842) (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Arabidopsis thaliana (L.) Heynh (1842) (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003953

BCH Number: 10483

Description of Organism: *Cucumis melo* (L) (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Cucumis melo (L) (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003897

BCH Number: 10070

Description of Organism: *Cucumis sativus* (L)
(tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Cucumis sativus (L) (whole plants)
modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003955

BCH Number: 10485

Description of Organism: *Cucurbita maxima* (L)
(tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Cucurbita maxima (L) (whole plants)
modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003956

BCH Number: 10486

Description of Organism: *Festuca arundinacea*
(Schreb) (tissue culture and cell lines)
modified

Containment: PC1

Category: A

And

Festuca arundinacea (Schreb) (whole
plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003958

BCH Number: 10488

Description of Organism: *Lolium multiflorum*
(Lam) (tissue culture and cell lines)
modified

Containment: PC1

Category: A

And

Lolium multiflorum (Lam) (whole plants)
modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003959

BCH Number: 10489

Description of Organism: *Lolium perenne* (L.)
(tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Lolium perenne (L.) (whole plants)
modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003960

BCH Number: 10490

Description of Organism: *Nicotiana benthamiana*
(Domin) (tissue culture and cell lines)
modified

Containment: PC1

Category: A

And

Nicotiana benthamiana (Domin) (whole
plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003961

BCH Number: 10491

Description of Organism: *Nicotiana tabacum* (L)
(tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Nicotiana tabacum (L) (whole plants)
modified

Containment: PC2

Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003962
BCH Number: 10492

Description of Organism: *Populus balsamifera*
(tissue culture and cell lines) modified
Containment: PC1
Category: A
And
Populus balsamifera (whole plants)
modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003963
BCH Number: 10493

Description of Organism: *Populus ciliata* (Wall. ex
Royle) (tissue culture and cell lines)
modified
Containment: PC1
Category: A
And
Populus ciliata (Wall. ex Royle) (whole
plants) modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003964
BCH Number: 10494

Description of Organism: *Populus deltoides* (Bartr.
ex Marsh.) (tissue culture and cell lines)
modified
Containment: PC1
Category: A
And
Populus deltoides (Bartr. ex Marsh.)
(whole plants) modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003965
BCH Number: 10495

Description of Organism: *Populus maximowiczii*
(A. Henry) (tissue culture and cell lines)
modified
Containment: PC1
Category: A
And
Populus maximowiczii (A. Henry)
(whole plants) modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003966
BCH Number: 10496

Description of Organism: *Populus nigra* (L.) (tissue
culture and cell lines) modified
Containment: PC1
Category: A
And
Populus nigra (L.) (whole plants) modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003967
BCH Number: 10497

Description of Organism: *Populus tremula* L. x
Populus tremuloides Michx. (Aspen)
(tissue culture and cell lines) modified
Containment: PC1
Category: A
And
Populus tremula L. x *Populus tremuloides*
Michx. (Aspen) (whole plants) modified
Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD003968
BCH Number: 10498

Description of Organism: *Populus trichocarpa* (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Populus trichocarpa (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003969

BCH Number: 10499

Description of Organism: *Populus yunnanensis* (Dode) (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Populus yunnanensis (Dode) (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003970

BCH Number: 10500

Description of Organism: *Salix* spp. (including hybrids) (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Salix spp. (including hybrids) (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003971

BCH Number: 10501

Description of Organism: *Zinnia elegans* (Jacq) (tissue culture and cell lines) modified

Containment: PC1

Category: A

And

Zinnia elegans (Jacq) (whole plants) modified

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003972

BCH Number: 10502

Description of Organism: *Agrobacterium tumefaciens* (Smith & Townsend 1907) Conn 1942

Agrobacterium tumefaciens (disarmed laboratory strains) modified with non-conjugative plasmid vectors containing genes, putative promoters, and micro-RNA sequences derived from *Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Populus tremula* L. x *Populus tremuloides* Michx. (Aspen), *Festuca arundinacea* (fescue grass), *Lolium perenne* and *Lolium multiflorum* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon), *Cucurbita maxima* (pumpkin), *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Nicotiana tabacum*, *Nicotiana benthamiana*, *Zinnia elegans*, *Salix* spp. (including hybrids), *Cucurbita moschata*, *Sicyos angulatus*, *Oryza sativus*, *Lycopersicon esculentum*, *Medicago truncatula*, *Lotus japonicus*, *Solanum tuberosum* and *Zea mays*, that are involved in regulation of plant vascular and cell wall development and floral control

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003952

BCH Number: 10482

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (strains K12 and B and derivatives) modified with non-conjugative plasmid vectors containing genes, putative promoters, and micro-RNA sequences derived from *Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Populus tremula* L. x *Populus tremuloides* Michx. (Aspen), *Festuca arundinacea* (fescue grass), *Lolium perenne* and *Lolium multiflorum* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon), *Cucurbita maxima* (pumpkin), *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Nicotiana tabacum*, *Nicotiana benthamiana*, *Zinnia elegans*, *Salix* spp. (including hybrids), *Cucurbita moschata*, *Sicyos angulatus*, *Oryza sativus*, *Lycopersicon esculentum*, *Medicago truncatula*, *Lotus japonicus*, *Solanum tuberosum* and *Zea mays*, that are involved in regulation of plant vascular and cell wall development and floral control

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003957

BCH Number: 10487

Applicant: Massey University

Institute Code: GMO05/MU008

Application Code: GMC05016

Purpose: To import *Escherichia coli* and Ff phages carrying thale cress, apple, mouse or Ff phage genes in order to carry out research on Ff phage assembly and protein-protein interactions

Decision Notified: 27 September 2005

Description of Organism: bacteriophage Ff

bacteriophage Ff: deletion of Ff bacteriophage (genes I-XI); origin of replication), or insertion of DNA from *Arabidopsis thaliana* (genes encoding for signalling proteins), *Malus domestica* (genes encoding for signalling proteins) or *Mus musculus* (genes encoding for antibodies)

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMC001286

BCH Number: 10462

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (non-pathogenic strains) modified with non-conjugative vectors containing Ff bacteriophage (genes I-XI; origin of replication), *Arabidopsis thaliana* (genes encoding for signalling proteins), *Malus domestica* (genes encoding for signalling proteins) or *Mus musculus* (genes encoding for antibodies)

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMC001287

BCH Number: 10463

Applicant: Massey University

Institute Code: GMO05/MU009

Application Code: GMD05090

Purpose: To produce *Arabidopsis* or apple signal transduction proteins and mouse antibodies

Decision Notified: 27 September 2005

Description of Organism: *Cricetulus griseus* Milne Edwards 1857

Cricetulus griseus (cell lines) modified with non-conjugative plasmid mammalian expression vectors containing *Mus musculus* antibody genes or *Arabidopsis thaliana* and *Malus domestica* genes encoding for signalling proteins

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003938

BCH Number: 10464

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (non-pathogenic strains) modified with non-conjugative vectors containing *Mus musculus* antibody genes or *Arabidopsis thaliana* and *Malus domestica* genes encoding for signalling proteins

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003939

BCH Number: 10465

Description of Organism: *Mus musculus*
Linnaeus, 1758

Mus musculus (cell lines) modified with non-conjugative plasmid mammalian expression vectors containing *Mus musculus* antibody genes or *Arabidopsis thaliana* and *Malus domestica* genes encoding for signalling proteins

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003940

BCH Number: 10466

Applicant: Massey University

Institute Code: GMO05/MU013

Application Code: GMD05091

Purpose: To develop *Escherichia coli* strains as sources of recombinant LPS and shikimate pathway enzymes for characterisation by functional and structural studies to inform the development of new antibiotics

Decision Notified: 27 September 2005

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (K12 and B derivatives) modified with non-conjugative cloning or protein expression vectors containing shikimate pathway enzymes, LPS pathway enzymes or PEP synthetase or enzymes involved in biosynthesis of aromatic compounds from: *Escherichia coli*, *Pyrococcus furiosus*, *Helicobacter pylori*, *Mycobacterium tuberculosis*, *Vibrio cholerae*, *Thermotoga maritima*, *Archaeoglobus fulgidus*, *Sulfolobus sulfataricus*, *Neisseria meningitidis*, *Pseudomonas putida*, *Pseudomonas aeruginosa*, *Chlorobium tepidum*, *Caulobacter crescentus*, *Aquifex aeolicus*, *Acidithiobacillus ferrooxidans* and *Methanococcus maripaludis*

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003941

BCH Number: 10467

Applicant: Massey University

Institute Code: GMO05/MU014

Application Code: GMD05092

Purpose: To enable use of a wider range of bacterial expression vectors and host strains for protein expression of bacterial PNGase genes and recombinant bacterial PNGases. Update of GMO00/MU022

Decision Notified: 28 September 2005

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (non-pathogenic strains) modified with non-conjugative vectors containing bacterial DNA sequences coding for PNGase genes from non-pathogenic bacteria

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003950

BCH Number: 10468

Applicant: Massey University

Institute Code: GMO05/MU015

Application Code: GMD05093

Purpose: To enable use of a wider range of bacterial expression vectors and host strains to express recombinant BLG protein from a synthetic gene in *Escherichia coli*. Update of GMO03/MU026

Decision Notified: 28 September 2005

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (non-pathogenic laboratory strains) modified with non-conjugative bacterial expression vectors containing recombinant bovine beta-lactoglobulin

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003951

BCH Number: 10469

Applicant: University of Auckland

Institute Code: GMO05/UA015

Application Code: GMD05081

Purpose: To study the structure and mechanism of action of the enzyme cytochrome c peroxidase and other related bacterial metabolic proteins using Category A Organisms

Decision Notified: 20 September 2005

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (non pathogenic laboratory adapted, auxotrophic strains) modified with standard *Escherichia coli* cloning and expression vectors which are non-conjugative but definitely not self transmissible

Genes sourced from bacteria encoding:

- Proteins involved in metabolism only
- To include genes encoding:
 - cytochrome c and cytochrome c peroxidase
 - To also include nucleotide deletions and point mutations
 - To also include cDNA sequences encoding protein tags to aid protein purification

Due to the nature of the study the following exceptions will apply:

- Genes will not encode toxins with an LD50 < 100µg/kg
- Sequences will not produce particles able to infect human, animals or plants
- Genes will not be derived from CITES derived species.

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003934

BCH Number: 10457

Applicant: University of Auckland

Institute Code: GMO05/UA019

Application Code: GMD05086

Purpose: Teaching Laboratories using GMOs in the University of Auckland. Update of GMO00/UA072

Decision Notified: 28 September 2005

Description of Organism: *Cercopithecus aethiops* Linnaeus

Cercopithecus aethiops (cell lines) modified by plasmid pCS2 with beta galactosidase reporter

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003973

BCH Number: 10470

Applicant: University of Otago

Institute Code: GMO04/UO039

Application Code: GMC05017

Purpose: To import *Arabidopsis thaliana* plants containing various genes and regulatory sequences from a range of organisms (excluding sequences from humans, native or endangered species), in order to study plant biology

Decision Notified: 27 September 2005

Description of Organism: *Arabidopsis thaliana* (L.) Heynh (1842)

Arabidopsis thaliana (plants) modified with binary vectors based on disarmed *Agrobacterium tumefaciens* Ti-plasmid vectors; genes involved in biochemical and physiological processes from a range of organisms but excluding humans and native species; sequences from *Agrobacterium tumefaciens* required for the transfer of DNA into plant cells

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMC001285

BCH Number: 10461

Applicant: University of Otago

Institute Code: GMO05/UO019

Application Code: GMD05075

Purpose: To ascertain whether or not intra- or inter- species transfer of *Helicobacter pylori* DNA occurs via the uptake of *Helicobacter pylori* outer membrane vesicles

Decision Notified: 15 September 2005

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (strain B or K12 derivatives) modified with standard mammalian expression vectors; expression vectors containing standard selection markers and reporter genes such as beta-galactosidase

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003925

BCH Number: 10479

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Description of Organism: *Helicobacter pylori* (Marshall et al. 1985)

Helicobacter pylori (commercially available strains such as ATCC strain 60190 or strain Tx-30a) modified with standard mammalian expression vectors; mammalian expression vectors containing standard selection markers and reporter genes such as beta-galactosidase

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD003926

BCH Number: 10480

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Description of Organism: *Homo sapiens* (Linnaeus, 1758)

Homo sapiens (commercially available (non-Māori) cell lines such as human gastric cancer cell lines (e.g. AGS)) modified with standard mammalian expression vectors; expression vectors containing standard selection markers and reporter genes such as beta-galactosidase

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003927

BCH Number: 10481

Applicant: University of Otago,

Institute Code: GMO05/UO010

Application Code: GMD05077

Purpose: To express cDNA encoding transport proteins in *Escherichia coli* and cultured mammalian cell lines in order to investigate the properties of the transport proteins involved in the movement of water and ions

Decision Notified: 15 September 2005

Description of Organism: *Canis familiaris* (Linnaeus, 1758)

Canis familiaris (commercially available cell lines such as kidney cells (e.g. MDCK)) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans (excluding Māori), rat and mouse

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003928

BCH Number: 10506

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Description of Organism: *Cricetulus griseus* (Pallas 1773)

Cricetulus griseus (commercially available cell lines such as ovary cells (e.g. CHO)) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans (excluding Māori), rat and mouse.

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003929

BCH Number: 10507

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Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

Escherichia coli (strain B or K12 derivatives) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans.

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003930

BCH Number: 10503

Description of Organism: *Homo sapiens* (Linnaeus, 1758)

Homo sapiens (commercially available (non-Māori) cell lines such as kidney cells (e.g. HEK 293)) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans (excluding Māori), rat and mouse.

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003931

BCH Number: 10504

Description of Organism: *Mus musculus* (Linnaeus, 1758)

Mus musculus (commercially available cells lines such as kidney and mammary cells (e.g. M1 and C127)) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans (excluding Māori), rat and mouse.

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003932

BCH Number: 10508

Description of Organism: *Rattus norvegicus* (Berkenhout, 1769)

Rattus norvegicus (commercially available cell lines such as Thyroid cells (e.g. Fischer Rat Thyroid cells)) modified with non-conjugative plasmid based bacterial or mammalian expression vectors; donor DNA will include genes (which may have undergone site-directed mutagenesis) encoding membrane transport proteins involved in water and ion transport from humans (excluding Māori), rat and mouse.

Containment: PCI

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD003933

BCH Number: 10505

AMENDMENTS TO APPROVALS

Applicant: University of Auckland

Application Code: GMD01061

Purpose: To use genetically modified *Escherichia coli*, *Agrobacterium tumefaciens*, Mammalian cell lines, *Arabidopsis thaliana* and *Nicotiana* spp. for use in teaching laboratories at the University of Auckland

Decision Amendment Date: 07 September 2005

Amendment: To amend the organism description to clarify the term Mammalian cells and specify the species from which these are derived.

Applicant: University of Auckland

Application Code: GMD05055

Purpose: To develop in containment using low-risk strains of organisms, cells modified with gene expression vectors to express sufficient quantities of cloned proteins, to enable their crystallisation for x-ray diffraction studies

Decision Amendment Date: 10 August 2005

Amendment: To amend the organism description to more accurately define 'non-pathogenic viruses'.

HAZARDOUS SUBSTANCES

NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

The applications in the Bulletin are for reference only. Our public notification process includes alerts in four main daily newspapers with the full information and submission forms available on our website.

To ensure that you are advised directly about applications open for public submission contact us at info@ermanz.govt.nz to be added to our interested party list. You will need to nominate the types of applications that you are interested in.

Applicant: Gabrielle Deuss and Associates

Application Code: HSR04040

Purpose: To import or manufacture AMMO all Wormer Paste for Horses, for use in horses for the treatment of worm burdens, including bots

Date Publicly Notified: 09 September 2005

Date Submissions Close: 21 October 2005

Applicant: Bayer New Zealand Limited

Application Code: HSR05078

Purpose: To import Reason, a fungicide intended for the control of fungal diseases in potato and onion crops

Date Publicly Notified: 12 September 2005

Date Submissions Close: 25 October 2005

Applicant: HaS Expertise Limited

Application Code: HSR05073

Purpose: To manufacture the insecticide J72.03 for export

Date Publicly Notified: 14 September 2005

Date Submissions Close: 27 October 2005

Applicant: Bomac Laboratories Limited

Application Code: HSR05107

Purpose: SS001NC, ET002NC, FM003NC: To import three active ingredients for use in the manufacture of veterinary medicines

Date Publicly Notified: 28 September 2005

Date Submissions Close: 10 November 2005

Applicant: Bomac Laboratories Limited

Application Code: HSR05097

Purpose: To import OLAMB3840NC a veterinary medicine, intended for oral use in sheep for controlling internal parasites

Date Publicly Notified: 28 September 2005

Date Submissions Close: 10 November 2005

SCHEDULED HEARINGS

There are no scheduled hearings at present.

NON-NOTIFIED APPLICATIONS RECEIVED

Applicant: Yates New Zealand Limited

Application Code: HSC05030

Purpose: To use in containment for the purpose of field testing the hazardous substance SD-1005 in order to assess its efficacy on fungal and insect diseases of tomatoes

Date Formally Received: 05 September 2005

Applicant: Syngenta Crop Protection Limited

Application Code: HSC05031

Purpose: To import into containment the substance NZH2B to conduct field trials to evaluate whether the substance is suitable for use in New Zealand agriculture and horticulture

Date Formally Received: 18 August 2005

Applicant: Dow AgroSciences

Application Code: HSC05033

Purpose: Experimental pesticides; to import or manufacture under containment for field testing, experimental substances for the purpose of control of plant and plant-damaging organisms in various agricultural and horticultural crops

Date Formally Received: 01 September 2005

Applicant: Chemiplas New Zealand Limited

Application Code: HSR05105

Purpose: To import Stalosan F for use in livestock housing, to improve the external environment and flooring conditions around animals

Date Formally Received: 07 September 2005

Applicant: BASF New Zealand

Application Code: HSR05089

Purpose: REGALIS: To import and release a plant growth regulator intended for use as a dilute water based spray in commercial orchards to control spring shoot elongation on apple trees

Date Formally Received: 12 September 2005

DECISIONS ON APPLICATIONS

Applicant: Rentokil Initial Limited

Application Code: HSR05037

Purpose: To import Calmic Type S, a descaling and cleaning product for urinals

Decision Notified: 02 September 2005

Decision: Approved with Controls

Identifier for Substance: CALMIC TYPE S

Classification: 3.1C Flammable liquid, 6.1E Oral Toxicant, 6.3A Skin Irritant, 6.8B Reproductive/Developmental Toxicant, 8.3A Eye Corrosive, 9.1A Aquatic Eco-toxicant

ERMA Approval Code: HSR001690

Controls:

Control Code ⁸	Regulation ⁹	Explanation ¹⁰
	Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls	
F1	7	General test certification requirements for Calmic Type S
F3	55	General limits on flammable substances
F5	58–59	Requirements for hazardous atmosphere zones for class 2.1.1, class 2.1.2 and class 3.1 substances
F6	60–70	Requirements to reduce the likelihood of unintended ignition of Calmic Type S

⁸ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁹ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

¹⁰ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

F11	76	Segregation of incompatible substances
F12	77	Requirement to establish a hazardous substance location if flammable substances are present
F14	81	Test certification requirements for facilities where Calmic Type S is present
F16	83	Controls on transit depots where Calmic Type S is present
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle Calmic Type S
T5	8	Requirements for protective clothing and equipment
T7, F2	8, 10	Restrictions on the carriage of Calmic Type S on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I13	Regulation 22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances

Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P5, P13, P14, P15	11, 19, 20, 21	Packaging requirements for Calmic Type S
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D2, D4, D5	6, 8, 9	Disposal requirements for Calmic Type S
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM9	17	Specific documentation requirements for flammable and oxidising substances and organic peroxides
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Tank Wagons and Transportable Containers**Regulations 4 to 43 where applicable**

The Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers and must be complied with as relevant.

Section 77A Controls

Calmic Type S shall only be used as a cleaning/descaling agent in commercial applications to treat toilet systems, and is not to be supplied for retail sale for domestic uses.

The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances, set out in Schedule 10 of the New Zealand Gazette Notice of Thursday, 25 March 2004, Issue Number 35, as amended by the New Zealand Gazette Notice of Friday, 1 October 2004, Issue Number 128, shall apply, as applicable, notwithstanding clause 1 of the schedule.

Applicant: Masterchem Manufacturing Limited

Application Code: HSR05060

Purpose: To import or manufacture a range of companion animal veterinary medicines

Decision Notified: 07 September 2005

Decision: Approved with Controls

Identifier for Substance: Vitapet Flea Shampoo, Itz Magic, Canopan Ear Drops for Dogs, Benzyl Plus, Malkon, My Pet Dog Shampoo, and Milbemax Tablets for Cats

Classification:

Vitapet Flea Shampoo	Itz Magic
6.3A Skin Irritation	6.5B Skin Sensitisation
8.3A Eye Corrosion	9.1C Aquatic Ecotoxicity
9.1A Aquatic Ecotoxicity	
9.4C Terrestrial Invertebrate Ecotoxicity	
Canopan Ear Drops for Dogs	Benzyl Plus and Malkon
3.1B Flammable Liquid	9.1D (biocide rider)
6.1E Acute Toxicity	
6.3A Skin Irritation	
6.4A Eye Irritation	
9.1D Aquatic Ecotoxicity	
My Pet Dog Shampoo	Milbemax Tablets for Cats
6.3A Skin Irritation	6.1D Acute Toxicity
8.3A Eye Corrosion	6.4A Eye Irritation
6.5A Respiratory Sensitisation	6.9B Target Organ Systemic Toxicity
6.5B Skin Sensitisation	9.1A Aquatic Ecotoxicity
9.1B Aquatic Ecotoxicity	9.2B Soil Ecotoxicity
9.4C Terrestrial Invertebrate Ecotoxicity	9.3C Terrestrial Vertebrate Ecotoxicity
	9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001693 - 99

Controls:

Vitapet Flea Shampoo

Control Code ¹¹	Regulation ¹²	Explanation ¹³
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances

11 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

12 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

13 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P14, P15	19, 20, 21	Packaging requirements for Vitapet Flea Shampoo
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Vitapet Flea Shampoo
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Additional controls under section 77A		
<p>This substance may only be used as a veterinary medicine</p> <p>A statement reading as follows shall be added to the label of this substance:</p> <p>‘Eye protection should be worn when handling this substance.’</p>		

Itz Magic

Control Code ¹⁴	Regulation ¹⁵	Explanation ¹⁶
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	29, 30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Itz Magic
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

14 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

15 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

16 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Emergency Management) Regulations 2001		
EM 1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM 6	8(e)	Information requirements for toxic substances
EM 8	12–16, 18–20	Level 2 emergency management information requirements
EM 11	25–34	Level 3 emergency management requirements – emergency response plans
EM 12	35–41	Level 3 emergency management requirements – secondary containment
EM 13	42	Level 3 emergency management requirements – signage
Additional control under section 77A		
This substance may only be used as a veterinary medicine		

Benzyl Plus and Malkon

Control Code ¹⁷	Regulation ¹⁸	Explanation ¹⁹
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D5	9	Disposal requirements for Benzyl Plus and Malkon
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

¹⁷ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

¹⁸ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

¹⁹ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Additional control under section 77A		
This substance may only be used as a veterinary medicine		

Canopan Ear Drops for Dogs

Control Code ²⁰	Regulation ²¹	Explanation ²²
Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls		
F1	7	General test certification requirements for all class 1 to 5 substances
F3	55	General limits on flammable substances
F4	56	Approved handler requirements
	56A	The exception to approved handler requirement for transportation of packaged veterinary medicines as set out in Regulation 56A of Schedule 2 of the Hazardous Substances (Veterinary Medicines) Transfer Notice (New Zealand Gazette Issue No 99, 23 June 2005) shall apply to this substance.
	56B	The exception to approved handler requirement for veterinarians as set out in Regulation 56B of Schedule 2 of the Hazardous Substances (Veterinary Medicines) Transfer Notice (New Zealand Gazette Issue No 99, 23 June 2005) shall apply to this substance.
F5	58–59	Requirements for hazardous atmosphere zones for class 2.1.1, class 2.1.2 and class 3.1 substances.
F6	60–70	Requirements to reduce the likelihood of unintended ignition of class 2.1.1, class 2.1.2 and class 3.1 substances.
F11	76	Segregation of incompatible substances
F12	77	Requirement to establish a hazardous substance location if flammable substances are present
F14	81	Test certification requirements for facilities where class 2.1.1, 2.1.2 or 3.1 substances are present
F16	83	Controls on transit depots where flammable substances are present

20 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

21 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

22 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7, F2	10, 8	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I13	22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P5, P13	11, 19	Packaging requirements for flammable liquids (subclass 3.1)
PG2	Schedule 2	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 2 correlate to the packaging requirements of UN Packing Group II (UN PGII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.

Hazardous Substances (Disposal) Regulations 2001		
D2, D4, D5	6, 8, 9	Disposal requirements for Canopan Ear Drops for dogs
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM9	17	Specific documentation requirements for flammable substances
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Additional controls under section 77A		
<p>This substance may only be used as a veterinary medicine</p> <p>The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances, set out in Schedule 10 of the New Zealand Gazette Notice of Thursday, 25 March 2004, Issue Number 35, as amended by the New Zealand Gazette Notice of Friday, 1 October 2004, Issue Number 128, shall apply, as applicable, notwithstanding clause 1 of the schedule</p>		

My Pet Dog Shampoo

Control Code ²³	Regulation ²⁴	Explanation ²⁵
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment

23 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

24 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

25 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P14, P15	19, 20, 21	Packaging requirements for My Pet dog Shampoo
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the packaging requirements that may be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for My Pet dog Shampoo

D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Additional controls under section 77A		
This substance may only be used as a veterinary medicine		
A statement reading as follows shall be added to the label of this substance:		
‘Eye protection should be worn when handling this substance.’		

Milbemax Tablets for Cats

Control Code ²⁶	Regulation ²⁷	Explanation ²⁸
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements

26 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

27 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

28 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I3	9	Priority identifiers for ecotoxic substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I20	36(8)	Durability of information for class 6.1 substances
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for Milbemax Tablets for Cats
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 5kg. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the packaging requirements that that may be complied with for this substance when packaged in quantities equal to or less than 5kg.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Milbemax Tablets for Cats
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances

EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM13	42	Level 3 emergency management requirements – signage
Additional controls under section 77A		
This substance may only be used as a veterinary medicine		

Applicant: Graffiti Removal (New Zealand) Limited

Application Code: HSR05046

Purpose: To import Bare Brick Stone and Masonry Remover for the removing of spray-painted graffiti on naturally occurring surfaces

Decision Notified: 14 September 2005

Decision: Approved with Controls

Identifier for Substance: BARE BRICK STONE AND MASONRY GRAFFITI REMOVER

Classification: 3.1B Flammable liquid, 6.1D Acute Toxicant, 6.5B Skin Sensitiser, 8.2C Skin Corrosive, 8.3A Eye Corrosive, 9.1B Aquatic Eco-toxicant, 9.2D Terrestrial Environment Eco-toxicant, 9.3C Terrestrial Vertebrate Eco-toxicant

ERMA Approval Code: HSR001700

Controls:

Control Code ²⁹	Regulation ³⁰	Explanation ³¹
Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls		
F1	7	General test certification requirements for Bare Brick Stone and Masonry Graffiti Remover
F3	55	General limits on flammable substances
F4	56	Approved handler requirements
F5	58–59	Requirements for hazardous atmosphere zones for Bare Brick Stone and Masonry Graffiti Remover
F6	60–70	Requirements to reduce the likelihood of unintended ignition of Bare Brick Stone and Masonry Graffiti Remover
F11	76	Segregation of incompatible substances
F12	77	Requirement to establish a hazardous substance location if Bare Brick Stone and Masonry Graffiti Remover is present
F14	81	Test certification requirements for facilities where Bare Brick Stone and Masonry Graffiti Remover is present
F16	83	Controls on transit depots where flammable substances are present

29 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

30 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

31 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic and Ecotoxic Property Controls		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7, F2	10, 8	Restrictions on the carriage of Bare Brick Stone and Masonry Graffiti Remover on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I13	22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I20	36(8)	Durability of information for class 6.1 substances
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P5, P13, P14, P15	11, 19, 20, 21	Packaging requirements for Bare Brick Stone and Masonry Graffiti Remover

PG2	Schedule 2	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 2 correlate to the packaging requirements of UN Packing Group II (UN PGII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D2, D4, D5	6, 8, 9	Disposal requirements for Bare Brick Stone and Masonry Graffiti Remover
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM9	17	Specific documentation requirements for flammable substances
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Section 77A Controls		
GN35A	<p>Schedule 10 of Gazette Notice Issue 35 - Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004 prescribes additional requirements relating to controlling the adverse effects of unintended ignition of class 2 and 3.1 flammable substances.</p> <p>The application area is to be cordoned off from the general public whilst the product is being applied and rinsed off. This requirement is to be specified on the product label or guidance material supplied with the product.</p>	

Applicant: Caledonian Holdings

Application Code: HSR05047

Purpose: BWTD: To manufacture and release a veterinary medicine, intended for use in horses for controlling internal parasites

Decision Notified: 14 September 2005

Decision: Approved with Controls

Identifier for Substance: BWTD

Classification: 6.5B Contact Sensitiser, 9.1A Aquatic Ecotoxicity, 9.2C Soil Ecotoxicity, 9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001701

Controls:

Control Code ³²	Regulation ³³	Explanation ³⁴
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic and Ecotoxic Property Controls		
T4 & E6	7	Requirements for equipment used to handle BWTD
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of BWTD on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for BWTD
I9	18	Secondary identifiers for BWTD
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities

³² Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

³³ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

³⁴ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

P15	21	Packaging requirements for BWTD
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 5L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 5L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for BWTD
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: Nalco New Zealand Limited

Application Code: HSR05020

Purpose: To import into New Zealand 3DT288 for use as a cooling water corrosion and scale inhibitor for recycled cooling water

Decision Notified: 20 September 2005

Decision: Approved with Controls

Identifier for Substance: 3DT288

Classification: 8.1A Metal Corrosive, 8.2C Skin Corrosive, 8.3A Eye Corrosive

ERMA Approval Code: HSR001705

Controls:

Control Code ³⁵	Regulation ³⁶	Explanation ³⁷
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	29,30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities

³⁵ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

³⁶ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

³⁷ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

P14	20	Packaging requirements for corrosive substances (class 8)
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: Gro-Chem New Zealand Limited

Application Code: HSR05024

Purpose: To import or manufacture Blossom Bless for use as an agricultural compound

Decision Notified: 21 September 2005

Decision: Approved with Controls

Identifier for Substance: Blossom Bless

Classification: 6.5A respiratory sensitiser, 6.5B skin sensitiser, 9.1D biocide

ERMA Approval Code: HSR001707

Controls:

Control Code³⁸	Regulation³⁹	Explanation⁴⁰
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment

³⁸ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

³⁹ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁴⁰ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E2	46–48	Restrictions on use within application area
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13	19	Packaging requirements for toxic substances
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 3kg. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 3kg.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements

D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM13	42	Level 3 emergency management requirements – signage
Additional Controls (section 77A)		
<p>Application of Blossom Bless is restricted to ground-based application to pip fruit crops. It is not to be applied to non-cultivated areas.</p> <p>Approval is for the manufacture of Blossom Bless using strains of <i>Pantoea agglomerans</i> indigenous to New Zealand.</p> <p>Any reports of adverse effects of Blossom Bless or <i>Pantoea agglomerans</i> on honeybees and their larvae, or any other species, are to be provided to ERMA New Zealand.</p>		
Recommendation		
<p>It is recommended that application of Blossom Bless should take place in accordance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004.</p>		

Applicant: Taranaki Nuchem Limited

Application Code: HSR05029

Purpose: To import or manufacture Tnl 1584, an agricultural herbicide for the control of brush-weeds in forestry, waste and pasture areas

Decision Notified: 23 September 2005

Decision: Approved with Controls

Identifier for Substance: Tnl 1584

Classification: 6.4A Eye Irritation, 6.5B Skin Sensitisation, 9.1C Aquatic Ecotoxicity, 9.2A Soil Ecotoxicity

ERMA Approval Code: HSR001708

Controls:

Control Code⁴¹	Regulation⁴²	Explanation⁴³
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle Tnl 1584

41 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

42 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

43 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of Tnl 1584 on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to Tnl 1584
E2	46–48	Restrictions on use within application area
E5	5(2), 6	Requirements for keeping records of use
E7	9	Approved handler requirements
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–7)	General identification requirements
I3	9	Priority identifiers for Tnl 1584
I9	18	Secondary identifiers for Tnl 1584
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51-52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3, P13	9, 19	Packaging requirements for Tnl 1584
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Tnl 1584
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Tank Wagon and Transportable Containers Controls		
The Hazardous Substance (Tank Wagons and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers.		

Applicant: Bomac Laboratories Limited

Application Code: HSR05061

Purpose: To import or manufacture a range of small volume finished dose veterinary medicines

Decision Notified: 26 September 2005

Decision: Approved with Controls

Identifier for Substance:

Bucaine, Vetamox Drops, Vetamox Tablets 625 mg, Vasotop 1.25 mg, Vasotop 2.5 mg, Tricho Plus, Ornicure, Trichocure, Theraprim, Coxi Plus, and Avicas.

Classification:

Bucaine	Vetamox drops
6.1E Acute toxicity 6.9B Target organ systemic toxicity.	6.5A Respiratory sensitisation 6.5B Skin sensitisation 6.9B Target organ systemic toxicity 9.1B Aquatic ecotoxicity.
Vetamox Tablets 625 mg	Vasotop 1.25 mg and Vasotop 2.5 mg
6.5A Respiratory sensitisation 6.5B Skin sensitisation 6.9B Target organ systemic toxicity 9.1A Aquatic ecotoxicity.	6.8A Reproductive/developmental toxicity
Tricho Plus	Ornicure
6.1E Acute toxicity 6.4A Eye irritation 6.7B Carcinogenicity 6.9B Target organ systemic toxicity	6.3B Skin irritation 6.4A Eye irritation 9.1B Aquatic ecotoxicity
Trichocure	Theraprim
6.7B Carcinogenicity 6.9B Target organ systemic toxicity	6.9B Target organ systemic toxicity
Coxi Plus	Avicas
6.3A Skin irritation 6.4A Eye irritation 6.5B Skin sensitisation 9.1B Aquatic ecotoxicity	6.8B Reproductive/developmental toxicity 6.9B Target organ systemic toxicity

ERMA Approval Code: HSR001711 - 21**Controls:****Vasotop 1.25 mg, Vasotop 2.5 mg, Trichocure and Avicas**

Control Code ⁴⁴	Regulation ⁴⁵	Explanation ⁴⁶
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I9	18	Secondary identifiers for all hazardous substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges

44 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

45 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

46 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13	19	Packaging requirements for Vasotop 1.25 mg and Vasotop 2.5 mg
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for Vasotop 1.25 mg and Vasotop 2.5 mg when packaged in quantities of more than 3kg. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for Vasotop 1.25 mg and Vasotop 2.5 mg when packaged in quantities equal to or less than 3kg. Additionally, this schedule describes the minimum packaging requirements that must be complied with for Trichocure and Avicas.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans

Ornicure, Coxi Plus, Tricho Plus and Theraprim

Control Code ⁴⁷	Regulation ⁴⁸	Explanation ⁴⁹
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles

47 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

48 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

49 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13	19	Packaging requirements for Tricho Plus and Theraprim
P15, P13	21, 19	Packaging requirements for Ornicure and Coxi Pus
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for Ornicure and Coxi Plus when packaged in quantities of more than 5kg. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for Ornicure and Coxi Plus when packaged in quantities equal to or less than 5kg. Additionally, this schedule describes the minimum packaging requirements that must be complied with for Tricho Plus and Theraprim.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for Tricho Plus and Theraprim
D4, D5	8, 9	Disposal requirements for Ornicure and Coxi Plus
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Bucaine

Control Code⁵⁰	Regulation⁵¹	Explanation⁵²
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3, P13	9, 19	Packaging requirements for substances packed in limited quantities

50 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

51 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

52 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements

Vetamox Drops and Vetamox Tablets 625 mg

Control Code ⁵³	Regulation ⁵⁴	Explanation ⁵⁵
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I9	18	Secondary identifiers for all hazardous substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances

⁵³ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁵⁴ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁵⁵ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I29	51-52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for toxic substances
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for Vetamox Drops and Vetamox Tablets 625 mg when packaged in quantities of more than 3kg. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for Vetamox Drops and Vetamox Tablets 625 mg when packaged in quantities equal to or less than 3kg.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Vetamox drops and Vetamox Tablets 625 mg
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: Bayer New Zealand Limited

Application Code: HSR05032

Purpose: To import Fandango, a fungicide intended for use in the control of fungal diseases in cereals and ryegrass seed crops

Decision Notified: 30 September 2005

Decision: Approved with Controls

Identifier for Substance: FANDANGO®

Classification: 6.1E Acute Toxicant, 6.4A Eye Irritant, 6.9B Target Organ/Systemic Toxicant, 9.1B Aquatic Ecotoxicant

ERMA Approval Code: HSR001722

Controls:

Control Code ⁵⁶	Regulation ⁵⁷	Explanation ⁵⁸
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T6	9	Approved handler requirements
	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
E7	9	Approved handler requirements
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases

⁵⁶ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁵⁷ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁵⁸ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for FANDANGO®
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for FANDANGO® when packaged in quantities of more than 5L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 5L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Additional Controls under section 77A		
FANDANGO® shall only be used for application to cereal crops and ryegrass seed crops.		

DELEGATED AUTHORITY

The Chief Executive of the Environmental Risk Management Authority, acting under delegated power from the Authority, reached a decision on the following applications:

Applicant: Syngenta Crop Protection Limited

Application Code: HSC05026

Purpose: To import into containment NZF4 to conduct field trials to evaluate whether the substance is suitable for use in New Zealand agriculture and horticulture and to provide data for a future application for approval for release

Decision Notified: 01 September 2005

Decision: Approved with Controls

Identifier for Substance: NZF4

ERMA Approval Code: HSC000220

Controls:

1. The trials shall be undertaken in accordance with the Management Plan which accompanied the application. Modifications of the Management Plan may be approved in writing by ERMA New Zealand providing that they comply with the following controls.
2. Notwithstanding the requirements of control 1 above, the trials shall also comply with the following controls.
3. The trials may be carried out at a location that is not defined until an infestation of the target pest has been found, only if the applicant;
 - has permission from the owner of the land to carry out the trial; and
 - notifies ERMA New Zealand of the locations as per control 22.
4. The trial sites shall be chosen so as to prevent the substance entering any surface water or groundwater system.
5. The trial sites shall be located to prevent any building where people live or work being exposed to the substance.
6. Access to the trial sites shall be by permission of the Trial Director⁵⁹ or owner of the property on which it is located. The trial site boundaries shall be clearly marked and distinctly visible from outside the trial site throughout the life of the trials. The trial sites shall be signed indicating that unauthorized access is not allowed, that the site is subject to a trial, and that the crops should not be removed or disturbed.
7. In any location where it is possible for grazing animals to access the trial site, the trial sites shall be secured by stock proof fencing to exclude grazing animals for the duration of the trial.
8. The substance shall be stored in accordance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004.
9. The substance shall be mixed, diluted and prepared in any other way prior to application in accordance with the relevant sections of the Code of Practice for the Management of Agrichemicals NZS8409: 2004.
10. The substance shall be securely packed in suitable containers that comply with the Hazardous Substances (Packaging) Regulations 2001, and shall be labelled in accordance with the Hazardous Substances (Identification) Regulations 2001. A Safety Data Sheet shall accompany each shipment.
11. The substance shall be transported in compliance with any relevant requirements of the Land Transport Rule: Dangerous Goods 2005.
12. The substance shall be applied by way of hand-held/operator-worn equipment, using hydraulic pressure or compressed CO₂ or air on plots specifically designated and marked for each treatment, in accordance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004. Special attention shall be paid to the minimisation of spray drift, and in particular to the avoidance of drift beyond boundaries agreed with the owner of the trial site.
13. The personnel applying the substance to the crops shall be able to demonstrate that they have the qualifications necessary to carry out the trial. Ways of demonstrating this would include the holding of an appropriate Growsafe certification or an Approved Handler qualification. They should also be aware of the Management Plan and the controls in place in order to adequately manage the substance.
14. Any sprayed produce intended for human or animal consumption, or offered for sale shall comply with any withholding period and maximum residue levels set by the New Zealand Food Safety Authority.

⁵⁹ The Trial Director is the individual appointed by the applicant to be responsible for the overall conduct of the trial in accordance with the Management Plan and approval controls

15. Sprayed produce that is not fit for consumption or offered for sale shall be disposed of by ploughing in, by mulching or by burial at an approved landfill (not to be diverted to any composting operation). Sprayed produce may also be desiccated and left to decay in the field where it will be ploughed in.
16. The amount of spray prepared shall be adequate for the trial site, but if there is any surplus spray mix it shall be disposed of within the trial site by being further diluted and sprayed over a marked and designated non-crop and non-grazed area at the site.
17. Any equipment used shall be rinsed after use with the appropriate detergent or decontaminant, and rinsate disposed of within the trial site by being sprayed over a marked and designated non-crop and non-grazed area at the site.
18. Surplus substance remaining at the end of the trials shall be returned to Syngenta Crop Protection Limited for secure storage in an exempt laboratory, exported or degraded to non-hazardous substances (note that once the trials are complete the substance does not have approval to be present in New Zealand except in an exempt laboratory).
19. Any accidental spillage of the unmixed substance or spray mix shall be contained, prevented from entering waterways, and absorbed with an appropriate absorbent material. This material shall be placed into sealed containers and disposed of at an appropriate waste disposal facility (which may include a landfill), subject to the facility's waste acceptance policy.
20. A record shall be kept of all use of the substance. This record shall cover all matters referred to in Regulation 6 of the Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001.
21. Information on appropriate safety precautions necessary to provide safeguards against the substance's toxic and ecotoxic properties shall accompany the substance at all stages of its lifecycle. Personal protective equipment shall be worn when handling the substance during the use stage of the lifecycle.
22. The Department of Labour [Attn. HSNO Project Manager (Workplace Group) or equivalent position] and ERMA New Zealand shall be informed in writing (by letter, fax or email) of the location, start, and completion of the trials. Notifications shall include the following details:

Substance name	GF-1674
ERMA Application number	HSC05026
ERMA Approval number	HSC000220
ERMA Applications Advisor	Amanda McKenzie
23. If for any reason a breach of containment occurs, the Trial Director shall notify the Department of Labour and ERMA New Zealand within 24 hours of the breach being detected. It is suggested that if a breach in containment results in contamination of a waterway, the relevant iwi authorities be advised.
24. The Authority or its authorised agent or properly authorised enforcement officers, may inspect the facilities and trial sites at any reasonable time.
25. This approval remains in place for the term of any concurrent approval required under the Agricultural Compounds and Veterinary Medicines Act 1997, to a maximum of five years.
26. The maximum total quantity of NZF4 that shall be imported under this approval is 5L.

Applicant: Agrenz Limited

Application Code: HSR05027

Purpose: To import S-Methoprene IGR 1.8% Granules for use as a specific mosquito larvacide, particularly for the control of introduced species which may be disease vectors

Decision Notified: 05 September 2005

Decision: Approved with Controls

Identifier for Substance: S-Methoprene IGR 1.8% Granules

Classification: 9.1C harmful in the aquatic environment, 9.4C harmful to terrestrial invertebrates

ERMA Approval Code: HSR001691

Controls:

Control Code ⁶⁰	Regulation ⁶¹	Explanation ⁶²
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
E3	49	Controls relating to protection of terrestrial invertebrates e.g. beneficial insects
E6	7	Requirements for equipment used to handle hazardous substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance

60 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

61 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

62 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Disposal) Regulations 2001		
D5	9	Disposal requirements for ecotoxic substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM13	42	Level 3 emergency management requirements – signage
Section 77A controls		
<p>No person may apply or otherwise use S-Methoprene IGR 1.8% Granules unless that person first obtains a permission from the Authority under section 95A of the Hazardous Substances and New Organisms Act 1996.</p> <p>The additional control under section 77A shall be reflected on the label and use instructions supplied with the substance and in the documentation required in places of work (safety data sheets).</p>		

Applicant: Adria New Zealand Limited

Application Code: HSR05098

Purpose: To import DIFFERENCE 250EC for disease control in certain crops

Decision Notified: 05 September 2005

Decision: Approved with Controls

Identifier for Substance: DIFFERENCE 250EC

Classification: 3.1D flammable liquid, 6.1E acute toxicity, 6.3A skin irritancy, 6.4A eye irritancy, 6.8A reproductive / developmental toxicity, 6.9B target organ systemic toxicity, 9.1A aquatic ecotoxicity.

ERMA Approval Code: HSR001692

Controls:

Control Code ⁶³	Regulation ⁶⁴	Explanation ⁶⁵
Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls		
F6	60–70	Requirements to reduce the likelihood of unintended ignition of class 2.1.1, class 2.1.2 and class 3.1 substances.
F11	76	Segregation of incompatible substances

63 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

64 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

65 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7, F2	10, 8	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I13	22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for DIFFERENCE 250EC

PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 5L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 5L.
Hazardous Substances (Disposal) Regulations 2001		
D2	6	Disposal requirements for flammable substances
D4	8	Disposal requirements for toxic and corrosive substances
D5	9	Disposal requirements for ecotoxic substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM9	17	Specific documentation requirements for flammable and oxidising substances and organic peroxides
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Tank Wagons and Transportable Containers		
Regulations 4 to 43 where applicable		
The Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers and must be complied with as relevant.		
Section 77A Controls		
The controls relating to stationary container systems and secondary containment, as set out in Schedules 8 and 9 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004, as amended by Issue No. 128, 1 October 2004, shall apply to this substance, notwithstanding clause 1(1) of those schedules		
The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances, set out in Schedule 10 of the New Zealand Gazette Notice of Thursday, 25 March 2004, Issue Number 35, as amended by the New Zealand Gazette Notice of Friday, 1 October 2004, Issue Number 128, shall apply, as applicable, notwithstanding clause 1 of the schedule		

Applicant: Damar Industries Limited

Application Code: HSR05108

Purpose: Damar XU-100E WVCO Part A: To manufacture Part A of a two component rapid curing polyurethane filler compound for use in plywood patching for industrial use

Decision Notified: 14 September 2005

Decision: Approved with Controls

Identifier for Substance: Damar XU-100E WVCO Part A

Classification: 6.3B skin irritant, 6.4A eye irritant, 9.1D aquatic ecotoxicant

ERMA Approval Code: HSR001702

Controls:

Control Code ⁶⁶	Regulation ⁶⁷	Explanation ⁶⁸
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle hazardous substances
T7	10	Restrictions on the carriage of Damar XU-100E WVCO Part A on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3, P13	9, 19	Packaging requirements for Damar XU-100E WVCO Part A
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Damar XU-100E WVCO Part A
D6	10	Disposal requirements for packages

66 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

67 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

68 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: Aristopet Pty Limited

Application Code: HSR05021

Purpose: To approve the importation of Aristopet Aqua Master Multi Cure to aid in the treatment of White Spot, Velvet Disease and fungal diseases in aquarium fish

Decision Notified: 16 September 2005

Decision: Approved with Controls

Identifier for Substance: Aristopet Aqua Master Multi Cure

Classification: 9.1C Aquatic Ecotoxicant

ERMA Approval Code: HSR001703

Controls:

Control Code ⁶⁹	Regulation ⁷⁰	Explanation ⁷¹
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E6	7	Requirements for equipment used to handle hazardous substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I19	29–31	Alternative information in certain cases

⁶⁹ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁷⁰ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁷¹ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D5	9	Disposal requirements for ecotoxic substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: Orion Crop Protection Limited

Application Code: HSR05109

Purpose: Tiger: To import Tiger, a herbicidal product, intended for agricultural use

Decision Notified: 19 September 2005

Decision: Approved with Controls

Identifier for Substance: Tiger

Classification: 9.1A Aquatic Ecotoxicant, 9.2C Soil Ecotoxicant

ERMA Approval Code: HSR001704

Controls:

Control Code ⁷²	Regulation ⁷³	Explanation ⁷⁴
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E2	46–48	Restrictions on use within application area
E5	5(2), 6	Requirements for keeping records of use
E6	7	Requirements for equipment used Tiger
E7	9	Approved handler requirements
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P15	21	Packaging requirements for ecotoxic substances
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 5L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).

72 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

73 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

74 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 5L.
Hazardous Substances (Disposal) Regulations 2001		
D5	9	Disposal requirements for ecotoxic substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Tank Wagons and Transportable Containers		
The Hazardous Substance (Tank Wagons and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers		

Applicant: Jurox New Zealand Limited

Application Code: HSR05100

Purpose: To import for release SFM Drench, an anthelmintic for sheep

Decision Notified: 20 September 2005

Decision: Approved with Controls

Identifier for Substance: SFM Drench

Classification: 6.1E acute oral toxicant, 6.5B contact sensitiser, 6.6B possible mutagen, 6.8A reproductive/developmental toxicant, 6.9B target organ systemic toxicant

ERMA Approval Code: HSR001706

Controls:

Control Code⁷⁵	Regulation⁷⁶	Explanation⁷⁷
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to SFM Drench
T2	29, 30	Controlling exposure in places of work
T4	7	Requirements for equipment used to handle SFM Drench
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of SFM Drench on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities

75 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

76 These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

77 These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

P13	19	Packaging requirements for SFM Drench
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D4	8	Disposal requirements for SFM Drench
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment

Applicant: Bayer New Zealand Limited

Application Code: HSC05032

Purpose: To import into containment and field test the substance BCS006-05 to assess the efficacy and phytotoxicity under New Zealand conditions

Decision Notified: 26 September 2005

Decision: Approved with Controls

Identifier for Substance: BCS006-05

ERMA Approval Code: HSC000221

Controls:

- The trials shall be undertaken in accordance with the Project Plan and Management Plan, which accompanied the application. Modifications of the Project Plan or Management Plan may be approved in writing by ERMA New Zealand providing that they comply with the following controls.
- Notwithstanding the requirements of control 1 above, the trials shall also comply with the following controls.
- The trials may be carried out at a location that is not defined until an infestation of the target pest has been found, provided the applicant;
 - has permission from the owner of the land to carry out the trial; and
 - notifies ERMA New Zealand of the location as per control 22.
- The trial sites shall be chosen so as to prevent the substance entering any surface water or groundwater system.
- The trial sites shall be located to prevent any building where people live or work being exposed to the substance.

6. Access to the trial sites shall be by permission of the Trial Director⁷⁸ or owner of the property on which it is located. The trial site boundaries shall be clearly marked and distinctly visible from outside the trial site throughout the life of the trials. The primary access points shall be signed indicating that unauthorized access is not allowed, that the site is subject to a trial, and that the crops should not be removed or disturbed.
7. The trial sites shall be secured by stock proof fencing to exclude grazing animals for the duration of the trial.
8. The substance shall be stored in accordance with good practice. This would generally be achieved through compliance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004.
9. The substance shall be mixed, diluted and prepared in any other way prior to application in accordance with good practice. This would generally be achieved through compliance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004.
10. The substance shall be securely packed in suitable containers that comply with the Hazardous Substances (Packaging) Regulations 2001, and shall be labelled in accordance with the Hazardous Substances (Identification) Regulations 2001. A Safety Data Sheet shall accompany each shipment.
11. The substance shall be transported in accordance with good practice. This may require compliance with the Land Transport Rule: Dangerous Goods 1999.
12. The substance shall be applied by way of hand-held/operator-worn equipment, using hydraulic pressure or compressed CO₂ or air on plots specifically designated and marked for each treatment, in accordance with good practice. This would generally be achieved through compliance with the Code of Practice for the Management of Agrichemicals NZS8409: 2004. Special attention shall be paid to the minimisation of spray drift, and in particular to the avoidance of drift beyond boundaries agreed with the owner of the trial site.
13. The personnel applying the substance to the crops shall be able to demonstrate that they have the qualifications necessary to carry out the trial. Ways of demonstrating this include the holding of an appropriate Growsafe certification or an Approved Handler qualification. They should also be aware of the Management Plan and controls in place in order to adequately manage the substance.
14. No sprayed produce shall be consumed by people or animals or offered for sale.
15. Sprayed produce shall be disposed of by ploughing in, by mulching or by burial at an approved landfill (not to be diverted to any composting operation).
16. The amount of spray prepared shall be adequate for the trial site, but if there is any surplus spray mix it shall be disposed of within the trial site by being further diluted and sprayed over a marked and designated non-crop and non-grazed area at the site.
17. Any equipment used shall be triple rinsed after use with an appropriate detergent or decontaminant, and rinsate disposed of within the trial site by being sprayed over a marked and designated non-crop and non-grazed area at the site.
18. Surplus substance remaining at the end of the trials shall be returned to Bayer New Zealand Limited in original containers for secure storage in an exempt laboratory, or disposed of via an external commercial incineration company, (note that once the trials are complete the substance does not have approval to be present in New Zealand except in an exempt laboratory).
19. Any accidental spillage of the unmixed substance or spray mix shall be contained, prevented from entering waterways, and absorbed with an appropriate absorbent material. This material shall be placed into sealed containers and disposed of at an appropriate waste disposal facility (which may include a landfill), subject to the facility's waste acceptance policy.
20. A record shall be kept of all use of the substance. This record shall cover all matters referred to in Regulation 6 of the Hazardous Substances (Class 6, 8 and 9 Controls) Regulations 2001.
21. Information on appropriate safety precautions necessary to provide safeguards against the substance's toxic and ecotoxic properties shall accompany the substance at all stages of its lifecycle. Safety glasses, gloves and protective clothing shall be worn when handling the substance throughout the lifecycle.

⁷⁸ The Trial Director is the individual appointed by the applicant to be responsible for the overall conduct of the trial in accordance with the Management Plan and approval controls.

22. The Department of Labour [Attn. HSNO Project Manager (Workplace Group) P O Box 3705, Wellington] and ERMA New Zealand shall be informed in writing (by letter, fax or email) of the location, start, and completion of the trials. Notifications shall include the following details:

Substance name	BCS006-05
ERMA Application number	HSC05032
ERMA Approval number	HSC000221
ERMA Applications Advisor	Emma Doust

23. If for any reason a breach of containment occurs, the Trial Director shall notify the Department of Labour and ERMA New Zealand within 24 hours of the breach being detected. It

is suggested that if a breach in containment results in contamination of a waterway, the relevant iwi authorities be advised.

24. The Authority or its authorised agent or properly authorised enforcement officers, may inspect the facilities and trial sites at any reasonable time.
25. This approval remains in place for the term of any concurrent approval required under the Agricultural Compounds and Veterinary Medicines Act 1997, to a maximum of five years.
26. The maximum total quantity of BCS006-05 that shall be imported under this approval is 20L.

Applicant: Jenkins Biolab

Application Code: HSR05090

Purpose: To manufacture Pro Ewe, a mineralized probiotic digestion aid for sheep

Decision Notified: 26 September 2005

Decision: Approved with Controls

Identifier for Substance: Pro-Ewe

Classification: 6.3B skin irritant, 6.4A eye irritant, 6.5B skin sensitiser, 6.9B target organ systemic toxicant, 9.1D aquatic ecotoxicant

ERMA Approval Code: HSR001709

Controls:

Control Code⁷⁹	Regulation⁸⁰	Explanation⁸¹
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic and Ecotoxic Property Controls		
T4, E6	7	Requirements for equipment used to handle Pro-Ewe
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of Pro-Ewe on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I9	18	Secondary identifiers for Pro-Ewe
I11	20	Secondary identifiers for ecotoxic substances

⁷⁹ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁸⁰ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁸¹ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3, P13	9, 19	Packaging requirements for Pro-Ewe packed in limited quantities
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Pro-Ewe
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Applicant: PCT International Pty Limited

Application Code: HSR05094

Purpose: To import or manufacture ALPHA CYPERMETHRIN 50SC a suspension concentrate for use as an insecticide

Decision Notified: 26 September 2005

Decision: Approved with Controls

Identifier for Substance: ALPHA CYPERMETHRIN 50SC

Classification: 6.9B Target Organ Systemic Toxicity, 9.1A Aquatic Ecotoxicity, 9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001710

Controls:

Control Code ⁸²	Regulation ⁸³	Explanation ⁸⁴
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
E3	49	Controls relating to protection of terrestrial invertebrates e.g. beneficial insects
E5	5(2), 6	Requirements for keeping records of use
E7	9	Approved handler requirements
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges

⁸² Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁸³ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁸⁴ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P15	21	Packaging requirements for ALPHA CYPERMETHRIN 50SC
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities of more than 5L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance when packaged in quantities equal to or less than 5L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8	Disposal requirements for ALPHA CYPERMETHRIN 50SC
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements

Tank Wagons and Transportable Containers**Regulations 4 to 43 where applicable**

The Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers and must be complied with as relevant.

Section 77A Control

The controls relating to stationary container systems, as set out in Schedules 8 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004, as amended by Issue No. 128, 1 October 2004, shall apply to this substance, notwithstanding clause 1(1) of that schedule.

Applicant: Taranaki Nuchem Limited

Application Code: HSR05115

Purpose: To manufacture Prostar CS as a capsule suspension containing 125 g/L of myclobutanil for use to control mildew in grapes and brown rot in stone fruit

Decision Notified: 29 September 2005

Decision: Approved with Controls

Identifier for Substance: Prostar CS

Classification: 6.4A Eye Irritant, 6.8B Suspected Reproductive Toxicant, 6.9B Suspected Target Organ/Systemic Toxicant, 9.1C Aquatic Ecotoxicant

ERMA Approval Code: HSR001723

Controls:

Control Code ⁸⁵	Regulation ⁸⁶	Explanation ⁸⁷
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36(1)–(7)	General identification requirements

⁸⁵ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website www.ermanz.govt.nz/resources and is also contained in the ERMA New Zealand *User Guide to the HSNO Control Regulations*.

⁸⁶ These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁸⁷ These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I3	9	Priority identifiers for ecotoxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7(1), 8	General packaging requirements
P3 , P13	9, 19	Packaging requirements for Prostar CS
PS4	Schedule 4	This schedule describes the minimum packaging requirements that must be complied with for this substance
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for toxic and corrosive substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

AMENDMENTS TO APPROVALS

Applicant: Monsanto Australia Limited

Application Code: HSR03010

Purpose: To import and manufacture for release, Roundup Transorb, for use as a herbicide for the control of weeds in non-selective situations.

Decision Amendment Date: 02 September 2005

Amendment: To make controls consistent to those applied to similar substances during Transfer.

Applicant: Bayer New Zealand Limited

Application Code: HSR02042

Purpose: To import for release Advantage Multi, a veterinary medicine for topical application to cats and dogs for control of fleas and gastrointestinal parasites

Decision Amendment Date: 06 September 2005

Amendment: To make controls consistent to those applied to similar substances during Transfer.

Applicant: Bayer New Zealand Limited

Application Code: HSR03034

Purpose: To import Advantix K9, a veterinary medicine for dogs

Decision Amendment Date: 06 September 2005

Amendment: To make controls consistent to those applied to similar substances during Transfer.

TEST CERTIFIERS

The Chief Executive of the Environmental Risk Management Authority, acting under delegated power from the Authority, reached decisions on the following applications. The full requirements and limitations for the following Test Certifiers is available on our public register or website.

Applicant: Richard Balchin

Region: Manawatu-Wanganui

Decision: Approved with Limitations

Date of Approval: 23 September 2005

ERMA Approval Code: TST000137

Applicant: Robin Wallace

Region: Manawatu-Wanganui

Decision: Approved with Limitations

Date of Approval: 23 September 2005

ERMA Approval Code: TST000138

Applicant: Anthony Wright

Region: Northland

Decision: Approved with Limitations

Date of Approval: 27 September 2005

ERMA Approval Code: TST000139

Applicant: David Davenport

Region: Wellington

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000141

Applicant: Michael Parker

Region: Wellington

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000142

Applicant: Antony Dackers
Region: Southland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000143

Applicant: Wayne Racz
Region: Southland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000144

Applicant: John Thorn
Region: Northland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000145

Applicant: Harry Sephton
Region: Auckland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000146

Applicant: Raad Salih
Region: Auckland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000147

Applicant: Tony Young
Region: Otago
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000148

Applicant: Robert Young
Region: Otago
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000149

Applicant: David Paterson
Region: Otago
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000150

Applicant: Ian McIntyre
Region: Auckland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000151

Applicant: Hasan Soykan
Region: Auckland
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000152

Applicant: Gary Watson
Region: Nelson
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000153

Applicant: Ken Watson
Region: Nelson
Decision: Approved with Limitations
Date of Approval: 30 September 2005
ERMA Approval Code: TST000154

Applicant: Mark Watson

Region: Nelson

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000155

Applicant: Roger Orton

Region: Auckland

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000156

Applicant: Paul Singer

Region: Auckland

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000157

Applicant: Donald Mansfield

Region: Auckland

Decision: Approved with Limitations

Date of Approval: 30 September 2005

ERMA Approval Code: TST000158



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