

STANDARD 1.4.4

PROHIBITED AND RESTRICTED PLANTS AND FUNGI

Purpose

This standard regulates plants and fungi. It lists the species of plants and fungi that must not be added to food or offered for sale as food. It also lists the species of plants and fungi that may not be used in food except as a source of a flavouring substance.

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Clauses

1 Prohibited plants and fungi

(1) A plant or fungus, or a part or a derivative of a plant or fungus listed in Schedule 1, or any substance derived therefrom, must not be intentionally added to food or offered for sale as food.

(2) *Eurythroxylum coca* (coca bush) or any substance derived therefrom must not be present in a food unless the cocaine has been removed.

Editorial note:

Subclause (1) is not intended to prohibit the natural presence of plants and fungi in food; or the unintentional addition of plants and fungi to food that occur within the bounds of recognised acceptable Good Agricultural Practice or Good Manufacturing Practice. If a public health and safety concern is identified because of the presence of such substances, they will be addressed through the setting of a limit on these substances in final food products. Standard 1.4.1 establishes maximum limits for some natural toxicants in food.

2 Restricted plants and fungi

A plant or fungus, or a part or a derivative of a plant or fungus listed in Schedule 2, or any substance derived there from, may only be added to or be present in a food if it complies with the requirements for natural toxicants from the addition of a flavouring substance in the Table to clause 4 of Standard 1.4.1.

Editorial Note:

Clause 4 of Standard 1.4.1 imposes maximum levels of natural toxicants arising from the use of certain flavouring substances.

Standard 1.3.1 regulates food additives, including the addition and presence of flavourings in food.

SCHEDULE 1

Prohibited Plants and Fungi

Column 1 Species name	Column 2 Common name
<i>Abrus cantoniensis</i>	Jequirity seeds
<i>Abrus precatorius</i>	Arrow poison tree
<i>Acokanthera schimperi</i>	Aconite
<i>Aconitum</i> spp.	Calamus oil
<i>Acorus calamus</i>	False hellebore, Spring adonis
<i>Adonis vernalis</i>	Horse chestnut, Buckeye
<i>Aesculus hippocastanum</i>	Cunjevoi, Elephant ear, Kape, 'Ape, Ta'amu
<i>Alocasia macrorrhiza</i>	Alstonia
<i>Alstonia constricta</i>	Agaricus, Fly agaric
<i>Amanita muscaria</i>	Amanita Mushroom
<i>Amanita</i> spp.	Bisnaga, Khella
<i>Ammi visnaga</i>	Cohoba yope, Niopo
<i>Anadenanthera peregrina</i>	Bugloss
<i>Anchusa officinalis</i>	Bitter root, Spreading dogbane
<i>Apocynum androsaemifolium</i>	Canadian hemp, Dogbane, Indian hemp
<i>Apocynum cannabinum</i>	Betel nut
<i>Areca catechu</i> nut	Woolly morning glory
<i>Argyreia nervosa</i>	Birthwort, Snakeroot
<i>Aristolochia</i> spp.	Arnica
<i>Arnica</i> spp.	Deadly nightshade, Dwale
<i>Atropa belladonna</i>	Banisteria, Caapi
<i>Banisteriopsis</i> spp.	Borage
<i>Borago officinalis</i>	Rangiora
<i>Brachyglottis</i> spp.	Manaca, Mercury
<i>Brunfelsia uniflora</i>	European white bryony
<i>Bryonia alba</i>	White bryony
<i>Bryonia dioica</i>	
<i>Cacalia</i> spp.	
<i>Calotropis</i> spp.	Calotropis
<i>Cannabis</i> spp.	Hemp, Marijuana
<i>Catha edulis</i>	Khat, Chat
<i>Catharanthus</i> spp.	Periwinkle
<i>Cestrum nocturnum</i>	Queen of the night, Night blooming jessamine
<i>Chelidonium majus</i>	Common celandine, Greater celandine
<i>Chenopodium ambrosioides</i>	Wormseed, Mexican goosefoot, Pigweed, America wormseed
<i>Cicuta virosa</i>	Cowbane, European water hemlock
<i>Clitocybe</i> spp.	Fungi
<i>Colchicum autumnale</i>	Autumn crocus, Meadow saffron
<i>Conium maculatum</i>	Hemlock
<i>Conocybe</i> spp.	
<i>Convallaria majalis</i>	Lily of the Valley
<i>Copelandia</i> spp.	Fungi
<i>Coprinus atramentarius</i>	Common ink cap
<i>Coriaria</i> spp.	Tutu, Tuupaakihi, Puuhou, Toot
<i>Corynocarpus laevigatus</i> seed	Karaka kernel, New Zealand laurel
<i>Coronilla</i> spp.	Crown vetch
<i>Cortinarius</i> spp.	Fungi
<i>Coryanthe yohimbe</i>	Yohimbe
<i>Crotalaria</i> spp.	Crotalaria
<i>Croton tiglium</i>	Croton, Purging croton
<i>Cycas media</i>	Zamia palm
<i>Cynoglossum officinale</i>	Hound's tongue, Beggar's lice
<i>Cytisus scoparius</i> (see <i>Sarothamnus scoparius</i>)	
<i>Daphne</i> spp.	Daphne, Mezereum, Spurge laurel
<i>Datura stramonium</i>	Jimson weed, Datura, Thornapple
<i>Delphinium</i> spp.	Larkspur, Stavesacre
<i>Digitalis purpurea</i>	Foxglove
<i>Dryopteris filix-mas</i>	Male fern

Column 1	Column 2
Species name	Common name
<i>Duboisia</i> spp.	Corkwood, Pituri
<i>Echium plantagineum</i>	Patterson's curse, Salvation Jane
<i>Echium vulgare</i>	Viper's bugloss
<i>Entoloma sinuatus</i>	Fungus
<i>Ephedra sinica</i>	Ma-huang
<i>Erysimum canescens</i>	
<i>Euonymus europaeus</i>	Spindle tree, Skewer wood
<i>Eupatorium rugosum</i>	White snakeroot
<i>Euphorbia</i> spp.	Euphorbia, Milkweed, Spurge, Pennyroyal oil
<i>Farfugium japonicum</i>	
<i>Galanthus nivalis</i>	Snowdrop
<i>Galerina</i> spp.	Fungi
<i>Gelsemium sempervirens</i>	Yellow Jessamine, Gelsemium
<i>Gymnopilus</i> spp.	Fungi
<i>Gyromitra esculenta</i>	False morel
<i>Haemadictyon amazonica</i>	Yage
<i>Heliotropium</i> spp.	Heliotrope
<i>Helleborus niger</i>	Black hellebore, Christmas rose
<i>Hemerocallis fulva</i>	Pale day lily
<i>Hippomane mancinella</i>	Manzanillo
<i>Homeria breyniana</i> (see <i>Homeria collina</i>)	
<i>Homeria collina</i>	One-leaved cape tulip
<i>Homeria miniata</i>	Two-leaved cape tulip
<i>Hydrastis canadensis</i>	Goldenseal root or its extract
<i>Hydnocarpus anthelmentica</i>	Chalmoogra seed
<i>Hyoscyamus niger</i>	Black henbane, Stinking nightshade
<i>Hypholoma fasciculare</i>	Sulphur tuft
<i>Ilex aquifolium</i>	Holly, English holly
<i>Inocybe</i> spp.	Fungi
<i>Ipomoea burmanni</i>	Morning glory
<i>Ipomoea hederacea</i>	Morning glory
<i>Ipomoea tricolor</i> (see <i>Ipomoea violacea</i>)	
<i>Ipomoea violacea</i>	Morning glory
<i>Juniperus sabina</i> oil	Savin oil
<i>Kalmia latifolia</i>	Calico bush, Mountain Laurel, Ivy Bush
<i>Laburnum anagyroides</i>	Laburnum, Golden chain, Golden rain, Bean tree
<i>Lantana camara</i>	Lantana
<i>Laurelia nova-zelandiae</i>	Pukatea
<i>Lepiota morgani</i>	Fungus
<i>Lithospermum</i> spp.	
<i>Lobelia inflata</i>	Indian tobacco, Lobelia
<i>Lophophora</i> spp.	Peyote
<i>Lycium ferocissimum</i>	Boxthorn, African boxthorn
<i>Mahonia aquifolium</i>	Oregon grape or Mountain grape root or its extract
<i>Mandragora officinarum</i>	European mandrake
<i>Manihot esculenta</i> Crantz (other than Sweet Cassava)	Cassava
<i>Melia azedarach</i>	White cedar, Indian bead tree, Chinaberry
<i>Menispermum canadense</i>	Yellow parilla, Moonseed
<i>Myoporum laetum</i>	Ngaio, Kaio
<i>Narcissus jonquille</i>	Narcissus, Daffodil, Jonquil
<i>Narcissus poeticus</i>	Narcissus, Daffodil, Jonquil
<i>Narcissus pseudonarcissus</i>	Narcissus, Daffodil, Jonquil
<i>Nerium oleander</i>	Oleander
<i>Nicotiana</i> spp.	Tobacco
<i>Oenanthe aquatica</i> (see <i>Oenanthe phellandrium</i>)	
<i>Oenanthe phellandrium</i>	Water fennel, Water dropwort
<i>Omphalotus</i> spp.	Fungi
<i>Opuntia cylindrica</i>	San Pedro cactus, Cane cactus
<i>Panaeolus</i> spp.	Fungi
<i>Papaver bracteatum</i>	Oriental poppy
<i>Papaver somniferum</i> (other than seeds)	Opium poppy
<i>Pausinystalia yohimbe</i> (see <i>Coryanthe yohimbe</i>)	
<i>Peganum harmala</i>	Wild rue
<i>Petasites</i> spp.	Butterbur

Column 1 Species name	Column 2 Common name
<i>Peumus boldus</i>	Boldo
<i>Phoradendron flavescens</i> (see <i>Viscum flavescens</i>)	
<i>Phoradendron serotinum</i> (see <i>Viscum flavescens</i>)	
<i>Phoradendron tomentosum</i> (see <i>Viscum flavescens</i>)	
<i>Physostigma venenosum</i>	Calabar bean, Ordeal bean
<i>Phytolacca decandra</i>	Red pokeweed, Poke root
<i>Phytolacca americana</i> (see <i>Phytolacca decandra</i>)	
<i>Phytolacca octandra</i>	Inkweed, Red ink plant, Dyeberry
<i>Pilocarpus</i> spp.	
<i>Piptadenia macrocarpa</i>	Cebil colorado, Cura pag
<i>Piptadenia peregrina</i>	Cohoba, Coxoba, Yoke
<i>Pithomyces chartarum</i>	Fungus
<i>Pluteus</i> spp.	Fungi
<i>Podophyllum peltatum</i>	American mandrake, Mayapple, Podophyllum
<i>Prestonia amazonica</i> (see <i>Haemodictyon amazonica</i>)	
<i>Prunus laurocerasus</i>	Cherry laurel
<i>Psoralea corylifolia</i>	Malay tea
<i>Psylocybe</i> spp.	Fungi
<i>Pteridium aquilinum</i>	Bracken Fern
<i>Pulmonaria</i> spp.	Lungwort
<i>Punica granatum</i> stem and root bark	Pomegranate
<i>Rauwolfia</i> spp.	Devil pepper, Rauwolfia
<i>Ricinus communis</i>	Castor bean, Castor oil plant
<i>Robinia pseudoacacia</i>	Black locust, False acacia
<i>Sanguinaria canadensis</i>	Bloodroot, Bloodwort
<i>Sarothamnus scoparius</i>	Common broom
<i>Scopolia carniolica</i>	Scopolia
<i>Senecio</i> spp.	Ragwort
<i>Solanum aviculare</i>	Poroporo, Pooporo, Kohoho, Bullibulli
<i>Solanum diflorum</i>	False Jerusalem cherry
<i>Solanum dulcamara</i>	Bittersweet twigs, Blue bindweed, Woody nightshade, Nightshade
<i>Solanum laciniatum</i> (see <i>Solanum aviculare</i>)	
<i>Solanum linnaenum</i> (see <i>Solanum sodomeum</i>)	
<i>Solanum nigrum</i>	Black nightshade
<i>Solanum pseudocapsicum</i>	Jerusalem cherries
<i>Solanum sodomeum</i>	Apple of Sodom
<i>Sophora microphylla</i>	Kowhai
<i>Sophora secundiflora</i>	Mescal bean
<i>Spartium junceum</i>	Spanish broom
<i>Spigela marilandica</i>	Pinkroot, Worm grass
<i>Strophanthus gratus</i>	Strophanthus
<i>Strophanthus kombe</i>	Strophanthus
<i>Stropharia cubensis</i>	Fungus
<i>Strychnos gauthieriana</i>	Hoang nan
<i>Strychnos ignatii</i>	Ignatious bean
<i>Strychnos malaccensis</i> (see <i>Strychnos gauthieriana</i>)	
<i>Strychnos nux-vomica</i>	Poison nut, Nux vomica
<i>Symphytum asperum</i>	Prickly comfrey
<i>Symphytum officinale</i>	Common comfrey
<i>Symphytum x uplandicum</i>	Russian comfrey
<i>Tamus communis</i>	Blackeye root, Black bryony
<i>Taxus baccata</i>	Yew, European yew, Common yew
<i>Thevetia nerifolia</i> (see <i>Thevetia peruviana</i>)	
<i>Thevetia peruviana</i>	Snake nut
<i>Trichodesma africana</i>	
<i>Tricholoma muscarium</i>	Fungus
<i>Tussilago farfara</i>	Coltsfoot
<i>Veratrum</i> spp.	Hellebore
<i>Vinca</i> spp.	Periwinkle
<i>Viola sebifera</i>	Cuajo negro, Camaticaro
<i>Viscum album</i>	European mistletoe berries

Column 1**Column 2****Species name****Common name***Viscum flavescens*

American mistletoe

Xysmalobium undulatum

Uzara, Thornbush

Zamia integrifolia

Coonties, Florida arrowroot

Editorial note:

Requirements relating to Kava (*Piper methysticum*) are contained in Standard 2.6.3 of this Code.

Sweet cassava is defined in Standard 1.1.2 and the requirements for it are contained in clause 2 of 1.2.1 and clause 3 of Standard 1.2.6

SCHEDULE 2

Restricted Plants and Fungi

Column 1 Species name	Column 2 Common Name	Column 3 Natural Toxicant
<i>Artemisia absinthium</i>	Common wormwood	Thujone, santonin
<i>Artemisia cina Berg</i>	Levant wormseed	Thujone, santonin
<i>Artemisia maritima</i>	Levant wormseed	Thujone, santonin
<i>Artemisia vulgaris</i>	Mugwort	Thujone, santonin
<i>Chrysanthemum balsamita</i>	Costmary	Thujone
<i>Chrysanthemum parthenium</i> (see <i>Tanacetum parthenium</i>)		
<i>Cinchona</i> spp.	Cinchona	Quinine
<i>Cinnamomum camphora</i>	Camphor tree oil	Safrole, coumarin
<i>Cinnamomum micranthum</i>	Micranthum oil	Safrole, coumarin
<i>Hedeoma pulegioides</i> oil	American pennyroyal	Pulegone
	White snakeroot oil	
<i>Hypericum perforatum</i>	St John's wort	Hypericine
<i>Mentha pulegium</i> oil	European pennyroyal oil	Pulegone
<i>Sassafras albidum</i>	American sassafras oil	Safrole
<i>Sassafras officinale</i> (see <i>Sassafras albidum</i>)		
<i>Tanacetum balsamita</i> (see <i>Chrysanthemum balsamita</i>)		
<i>Tanacetum parthenium</i>	Feverfew	Santonin
<i>Tanacetum vulgare</i>	Tansy oil	Thujone
<i>Thuja occidentalis</i>	Thuja, White cedar	Thujone

Amendment History

The Amendment History provides information about each amendment to the Standard. The information includes commencement or cessation information for relevant amendments.

These amendments are made under section 92 of the *Food Standards Australia New Zealand Act 1991* unless otherwise indicated. Amendments do not have a specific date for cessation unless indicated as such.

About this compilation

This is a compilation of Standard 1.4.4 as in force on **15 January 2015** (up to Amendment No. 152). It includes any commenced amendment affecting the compilation to that date.

Prepared by Food Standards Australia New Zealand on **15 January 2015**.

Uncommenced amendments or provisions ceasing to have effect

To assist stakeholders, the effect of any uncommenced amendments or provisions which will cease to have effect, may be reflected in the Standard as shaded boxed text with the relevant commencement or cessation date. These amendments will be reflected in a compilation registered on the Federal Register of Legislative Instruments including or omitting those amendments and provided in the Amendment History once the date is passed.

The following abbreviations may be used in the table below:

ad = added or inserted	am = amended
exp = expired or ceased to have effect	rep = repealed
rs = repealed and substituted	

Standard 1.4.4 was published in the *Commonwealth of Australia Gazette* No. P 30 on 20 December 2000 as part of Amendment 53 (F2008B00621 — 30 September 2008) and has since been amended as follows:

Clause affected	A'ment No.	FRLI registration Gazette	Commencement (Cessation)	How affected	Description of amendment
Table of Provs	67	F2008B00814 24 Dec 2008 FSC9 31 July 2003	31 July 2003	am	Formatting errors in Schedule list..
1	152	F2015L00037 14 Jan 2015 FSC94 15 Jan 2015	15 Jan 2015	rs	Editorial note after clause.
Sch 1	62	F2008B00807 19 Dec 2008 FSC4 17 Sept 2002	17 Sept 2002	rep	Entries for <i>Artemisia absinthium</i> , <i>Artemisia cina Berg</i> , <i>Artemisia maritime</i> , <i>Artemisia vulgaris</i> .
Sch 1	62	F2008B00807 19 Dec 2008 FSC4 17 Sept 2002	17 Sept 2002	am	Typographical errors and omissions.
Sch 1	72	F2008B00819 24 Dec 2008 FSC14 20 May 2004	20 May 2004	ad	Entry for <i>Manihot esculenta Crantz</i> and related Editorial note for sweet cassava following the Schedule.
Sch 1	74	F2008B00821 24 Dec 2008 FSC16 14 Oct 2004	14 Oct 2004	ad	Entry for <i>Nicotiana</i> species.

Clause affected	A'ment No.	FRLI registration Gazette	Commencement (Cessation)	How affected	Description of amendment
Sch 1	103	F2008L03741 9 Oct 2008 FSC45 9 Oct 2008	9 Oct 2008	rep	Entries for <i>Ammi visnaga</i> , <i>Conocybe siligineoides</i> and <i>Senecio aureus</i> .
Sch 1	111	F2009L03145 13 Aug 2009 FSC53 13 Aug 2009	13 Aug 2009	rs	Entry for <i>Ammi</i> spp.
Sch 1	124	F2011L01450 8 July 2011 FSC66 11 July 2011	11 July 2011	rs	Entry for <i>Pluteus</i> spp. to correct a typographical error.
Sch 1	124	F2011L01450 8 July 2011 FSC66 11 July 2011	11 July 2011	rep	Asterisked footnote.
Sch 2	62	F2008B00807 19 Dec 2008 FSC4 17 Sept 2002	17 Sept 2002	ad	Entries for <i>Artemisia absinthium</i> , <i>Artemisia cina Berg</i> , <i>Artemisia maritime</i> , <i>Artemisia vulgaris</i> .
Sch 2	124	F2011L01450 8 July 2011 FSC66 11 July 2011	11 July 2011	rep	Asterisked footnote.