



REFERENCE

Dried Mushroom Identification Manual

(For departmental use only)

Purpose of the document

This manual was prepared to assist in the identification of commonly imported dried edible mushrooms during on-arrival inspections in Australia.

Important: This information is for identification purposes only. Please check BICON for import conditions on any of these mushrooms.

Note: The technical information was 'correct at the time of publication' but updated pages may be provided over time if significant changes are identified.

Content

The manual contains:

- summary table of mushroom species (and their common names)
- one page entry for each species/group including:
 - common names
 - synonyms
 - key identification features
 - colour photos
 - biosecurity status.

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Edible dried mushroom species

The following table lists the edible dried mushroom species included in this document by species and common name. Each species name links to a page with further information on that species.

Species	Common name(s)
Agaricus bisporus	Button Mushroom, Champignon, Cremini, Hara Take, Masshuruumu, Portabello, Seiyu Matsutake, Shanpinion, Shuangbaomogu, Swiss Brown, Tsukuritake, White Mushroom
Agrocybe aegerita	Tea tree or Willow mushroom, Poplar mushroom, Yanagi-matsutake
Ganoderma lucidum	Ganoderma, lingzhi mushroom or reishi mushroom, Yeong Ji or Yung Gee
Hericium erinaceus	Monkey head mushroom, lion's mane mushroom, bearded tooth mushroom, satyr's beard, bearded hedgehog mushroom, pom pom mushroom, bearded tooth fungus
Hypsizygus tessellatus	Buna shimeji, brown beech mushroom, beech mushroom, beech brown clamshell mushroom.
Lasiosphaera fenzlii	Puff ball, tuopi mabo, puffball mushroom, Ma Bo
Lyophyllum connatum	White dome-cap mushroom, fried chicken mushroom.
Morellus impudicus	Common stinkhorn, pricke mushroom, Hollanders workingtoole, Bamboo fungus
Phallus indusiatus	bamboo fungus, bamboo pith, long net stinkhorn, crinoline stinkhorn or veiled lady mushroom
Pleurotus djamor	Pink mushroom, pink oyster mushroom, the salmon oyster mushroom, the strawberry oyster
Pleurotus eryngii	King trumpet mushroom, french horn mushroom, King oyster mushroom, king brown mushroom, boletus of the steppes, caoyuan ceer, king oyster.
Pleurotus ostreatus	Oyster mushroom, tree oyster mushroom or the grey oyster mushroom
Pleurotus pulmonarius	Dhingri, fengwuigu, grey oyster mushroom, indian oyster, Italian Oyster, Phoenix mushroom, the lung oyster, usuhiratake.
Polyporus umbellatus	Zhu ling, lumpy bracket, grenticka, sakotoji skylétbudé
Poria cocos	Hoelen, poria, tuckahoe, China root, fu ling (茯苓, pīnyīn: fú líng), and matsuhodo.



Agaricus bisporus



Figure 1: Dried and sliced *Agaricus bisporus* (left) and dried whole mushrooms (right)

Synonyms: *Psalliota campestris* var. *hortensis*; *Psalliota arvensis* var. *hortensis*; *Psalliota hortensis*; *Psalliota bisporus*; *Psalliota hortensis* var. *bispora*; *Agaricus brunnescens*.

Common names: Button Mushroom, Champignon, Cremini, Hara Take, Masshuruumu, Portabello, Seiyu Matsutake, Shanpinion, Shuangbaomogu, Swiss Brown, Tsukuritake, White Mushroom, cultivated mushroom, table mushroom, Swiss brown mushroom, Roman brown mushroom, Italian brown, Italian mushroom, cremini or crimini mushroom, baby bella, brown cap mushroom, or chestnut mushroom.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Classification:

Class: Agaricomycetes
Order: Agaricales
Family: Agaricaceae
Genus: *Agaricus*
Species: *Agaricus bisporus*

Identification: Can be identified by its white inner cap with brownish outer layer.



Agrocybe aegerita



Figure 2: Dried *Agrocybe aegerita* mushroom in a retail packet (left) and whole (right)

Synonyms: *Cyclocybe aegerita*, *Pholiota aegerita*.

Common names: Tea tree or Willow mushroom, Poplar mushroom, Yanagi-matsutake, velvet pioppin, cha shu gu.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification

Class: Agaricomycetes

Order: Agaricales

Family: Strophariaceae

Genus: *Agrocybe*

Species: *Agrocybe aegerite*

Identification: Smaller cap with long narrow stem.



Ganoderma lucidum



Figure 3: Dried and sliced dried *Ganoderma lucidum* (left and middle); in a retail packet (right)

Synonyms: *Fomes lucidus*, *Polyporus lucidus*, *Grifola lucida*, *Phaeoporus lucidus*, *Placodes lucidus*, *Scindalma japonicum*, *Fomes japonicas*, *Ganoderma japonicum*, *Boletus vernicosus*, *Boletus verniceus*, *Boletus lucidus*.

Common Names: Ganoderma, lingzhi mushroom or reishi mushroom, Yeong Ji or Yung Gee.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Polyporales

Family: Ganodermataceae

Genus: *Ganoderma*

Species: *Ganoderma lucidum*

Identification: Dark brown sliced and floppy stem and cap.



Hericium erinaceus



Figure 4: Dried whole *Hericium erinaceus* in retail packets (left) and opened from packet (right)

Synonyms: *Clavaria erinaceus*, *Dryodon erinaceus*, *Hydnum erinaceus*.

Common names: Monkey head mushroom, lion's mane mushroom, bearded tooth mushroom, satyr's beard, bearded hedgehog mushroom, pom pom mushroom, bearded tooth fungus.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Classification:

Class: Agaricomycetes

Order: Russulales

Family: Hericiaceae

Genus: *Hericium*

Species: *Hericium erinaceus*

Identification: Fibrous white to brownish cap with irregular net like cap surface.



Hypsizygus tessellatus



Figure 5: Dried *Hypsizygus tessellatus* (left and middle); in a retail packet and opened from a packet (right).

Synonyms: *Hypsizygus marmoreus*, *Agaricus marmoreu*.

Common Names: Buna shimeji, brown beech mushroom, beech mushroom, beech brown clamshell mushroom.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricales

Family: Tricholomataceae

Genus: *Hypsizygus*

Species: *Hypsizygus tessellatus*

Identification: Brownish head cap with white to brown long stem.



Lasiosphaera fenzlii



Figure 6: Dried *Lasiosphaera fenzlii* fully matured (left) and yet to mature (right)

Synonyms: *Trichosanthes japonica*, *Calvatia fenzlii*.

Common Names: Puff ball, Tuopi mabo, Puffball Mushroom, Ma Bo.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricomycetidae

Family: Agaricaceae,

Genus: *Lasiosphaera*

Species: *Lasiosphaera fenzlii*

Identification: Papery in texture, small to large fruiting sacs. Reddish brown in colour when mature.



Lyophyllum connatum



Figure 7: Dried whole *Lyophyllum connatum* (left); bunch (right)

Synonyms: *Agaricus conatus*, *Clitocybe connate*, *Gyrophila connate*, *Tricholoma connatum*, *Leucocybe connate*.

Common Names: White Domecap mushroom, Fried chicken mushroom.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricales

Family: Lyophyllaceae

Genus: *Lyophyllum*

Species: *Lyophyllum connatum*

Identification: Brown medium to small fruiting sacs with long cluster stem.



Morellus impudicus



Figure 8: Dried *Morellus impudicus* inside a retail packet with net (left); without net (middle) and with net, with packaging removed (right).

Synonyms: *Phallus impudicus*, *Phallus volvatus*, *Ithyphallus impudicus*, *Phallus foetidus*.

Common Names: Common stinkhorn, pricke mushroom, Hollanders workingtoole, Bamboo fungus.

Biosecurity status: Check BICON (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Phallales

Family: Phallaceae

Genus: *Morellus*

Species: *Morellus impudicus*

Identification: Clearly distinguishable by a white to brownish stem with characteristic cap often surrounded by brown net.



Phallus indusiatus



Figure 9: Dried *Phallus indusiatus* with net, inside a retail packet (left); dried whole mushroom with net (right).

Synonyms: *Hymenophallus indusiatus*, *Dictyophora indusiata*.

Common Names: bamboo fungus, bamboo pith, long net stinkhorn, crinoline stinkhorn or veiled lady mushroom.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification

Class: Agaricomycetes

Order: Phallales

Family: Phallaceae

Genus: *Phallus*

Species: *Phallus indusiatus*

Identification: Clearly distinguishable by its whitish stem with characteristic net like cap.



Pleurotus djamor



Figure 10: Dried *Pleurotus djamor* inside a retail packet (left); outside an opened retail packet (right).

Synonyms: *Pleurotus prometheus*, *Dendrosarcus scabriusculus*, *Dendrosarcus caryophylleus*, *Pleurotus scabriusculus*, *Pleurotus placentodes*, *Pleurotus ninguidus*, *Pleurotus pacificus*, *Pleurotus moselei*.

Common names: Pink mushroom, pink oyster mushroom, the salmon oyster mushroom, the strawberry oyster.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricales

Family: Pleurotaceae

Genus: *Pleurotus*

Species: *Pleurotus djamor*

Identification: Pinkish cap with white to brown stem.



Pleurotus eryngii



Figure 11: Dried whole *Pleurotus eryngii* (left); sliced and dried *Pleurotus eryngii* in bulk packets (middle); sliced and dried *Pleurotus eryngii* inside retail packets (right).

Synonyms: *Agaricus eryngii*, *Dendrosarcus eryngii*, *Agaricus cardarella*, *Pleurotus fuscus*.

Common Names: king trumpet mushroom, french horn mushroom, King oyster mushroom, king brown mushroom, boletus of the steppes, caoyuan ceer, king oyster.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific Classification:

Class: Agaricomycetes

Order: Agaricales

Family: Pleurotaceae

Genus: *Pleurotus*

Species: *Pleurotus eryngii*

Identification: Distinct brownish oyster like brownish cup with white stem.



Pleurotus ostreatus



Figure 12: Dried *Pleurotus ostreatus* inside a retail packet (left); whole dried *Pleurotus ostreatus* (right).

Synonyms: *Agaricus revolutus*, *Agaricus salignus*, *Crepidotus ostreatus*, *Crepidotus ostreatus*, *Dendrosarcus ostreatus*, *Panellus opuntiae*, *Pleurotus opuntiae*.

Common Names: Oyster mushroom, tree oyster mushroom or the grey oyster mushroom.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricales

Family: Pleurotaceae

Genus: *Pleurotus*

Species: *Pleurotus ostreatus*

Identification: Distinct brownish oyster like brown cup.



Pleurotus pulmonarius



Figure 13: Dried *Pleurotus pulmonarius* (left), inside a retail packet (right).

Synonyms: *Agaricus pulmonarius*, *Dendrosarcus pulmonarius*, *Pleurotus ostreatus* f. *pulmonarius*, *Pleurotus ostreatus* var. *pulmonarius*, *Pleurotus araucariicola*.

Common Names: Dhingri, fengwuigu, grey oyster mushroom, indian oyster, Italian Oyster, Phoenix mushroom, the lung oyster, ushiratake.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Agaricales

Family: Pleurotaceae

Genus: *Pleurotus*

Species: *Pleurotus pulmonarius*

Identification: Distinct brownish oyster like brownish cup.



Polyporus umbellatus



Figure 14: Dried and sliced *Polyporus umbellatus* (left); cleaned, dried and chunked in a retail packet (right).

Synonyms: *Grifola umbellata*, *Dendropolyporus umbellatus*, *Boletus ramosissimus*, *Boletus ramosus*, *Boletus umbellatus*, *Cerioporus umbellatus*, *Cladodendron umbellatum*, *Cladomeris umbellata*, *Dendropolyporus umbellatus*, *Fungus ramosissimus*, *Grifola ramosissima*, *Merisma umbellatum*, *Pocillaria umbellata*, *Polypilus ramosissimus*, *Polypilus umbellatus*, *Polyporus chuling*, *Polyporus ramosissimus*, *Sclerotium giganteum*.

Common Names: Zhu ling, Lumpy Bracket, Grenticka, Šakotoji skylétbudé.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Polyporales

Family: Polyporaceae

Genus: *Polyporus*

Species: *Polyporus umbellatus*

Identification: Dark blackish cap with light brown gill.



Poria cocos



Figure 15: Dried, cleaned and sliced *Poria cocos* in a retail packet (left); dried, whole and uncleaned *Poria cocos*, with a slice removed (right).

Synonyms: *Pachyma cocos*, *Sclerotium cocos*, *Daedalea extensa*, *Macrohyporia cocos*, *Macrohyporia extensa*, *Wolfiporia cocos*, *Wolfiporia extensa*.

Common Names: Hoelen, poria, tuckahoe, China root, fu ling ([pinyin](#): fúlíng), matsuhodo.

Biosecurity status: Check [BICON](#) (Dried mushroom for human consumption) and search in the appendices for the current list of permitted species.

Scientific classification:

Class: Agaricomycetes

Order: Polyporales

Family: Polyporaceae

Genus: *Poria*

Species: *Poria cocos*

Identification: Fleshy white, smooth chalky in appearance.



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