



# Mycorrhizal Status of Plant Families and Genera

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
<i>Actinidiaceae</i>	<i>Actinidia</i>	Kiwi	Yes			
<i>Adoxaceae</i>	<i>Viburnum</i>	Viburnum	Yes			
<i>Alliaceae</i>	<i>Allium</i>	Garlic, Onion, Leek, Chives, Shallot	Yes			
<i>Altingiaceae</i>	<i>Liquidambar</i>	Sweetgum	Yes			
<i>Amaranthaceae</i>	<i>Amaranthus</i>	Amaranth				Yes
	<i>Atriplex</i>	Saltbush				Yes
	<i>Beta</i>	Sugar beet				Yes
	<i>Chenopodium</i>	Goosefoots				Yes
	<i>Spinacia</i>	Spinach	Often			
<i>Anacardiaceae</i>	<i>Anacardium</i>	Cashew	Yes			
	<i>Mangifera</i>	Mango	Yes			
	<i>Pistacia</i>	Pistachio	Yes			
	<i>Rhus</i>	Sumac	Yes			
	<i>Schinus</i>	Peppertree	Yes			
<i>Annonaceae</i>	<i>Asimina</i>	Pawpaw	Yes			
<i>Apiaceae</i>	<i>Anethum</i>	Dill	Yes			
	<i>Apium</i>	Celery	Yes			
	<i>Carum</i>	Caraway	Yes			
	<i>Coriandrum</i>	Coriander	Yes			
	<i>Daucus</i>	Carrot	Yes			
	<i>Foeniculum</i>	Fennel	Yes			
	<i>Levisticum</i>	Lovage	Yes			
	<i>Pastinaca</i>	Parsnips	Yes			
	<i>Petroselinum</i>	Parsley	Yes			
<i>Apocynaceae</i>	<i>Vinca</i>	Periwinkle	Yes			
<i>Aquifoliaceae</i>	<i>Ilex</i>	Holly	Yes			
<i>Araliaceae</i>	<i>Hedera</i>	Ivy	Yes			
	<i>Panax</i>	Ginseng	Yes			
<i>Araucariaceae</i>	<i>Araucaria</i>	Araucaria	Yes			
	<i>Wollemia</i>	Wollemi Pine	Yes			
<i>Arecaceae</i>	<i>Areca</i>	Betel Palm	Yes			
	<i>Chamaerops</i>	European fan palm	Yes			
	<i>Cocos</i>	Coconut palm	Yes			
	<i>Elaeis</i>	Oil palm	Yes			
	<i>Phoenix</i>	Date palm	Yes			

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
Asparagaceae	<i>Agave</i>	Century Plant	Yes			
	<i>Asparagus</i>	Asparagus	Yes			
	<i>Chlorophytum</i>	Chlorophytum	Yes			
	<i>Covallaria</i>	Lily of the valley	Yes			
	<i>Dracaena</i>	Dragon tree	Yes			
	<i>Hosta</i>	Hosta	Yes			
	<i>Hyacinthus</i>	Hyacinth	Yes			
	<i>Nolina</i>	Beargrass	Yes			
	<i>Ophiopogon</i>	Ophiopogon	Yes			
	<i>Polygonatum</i>	Solomon's seal	Yes			
	<i>Ruscus</i>	Butcher's broom	Yes			
Astereaceae	<i>Yucca</i>	Yucca	Yes			
	<i>Ambrosia</i>	Ambrosia	Yes			
	<i>Bellis</i>	English Daisy	Yes			
	<i>Callistephus</i>	China aster	Yes			
	<i>Chrysanthemum</i>	Chrysanthus	Yes			
	<i>Cichorium</i>	Chicory	Yes			
	<i>Dahlia</i>	Dahlia	Yes			
	<i>Helianthus</i>	Sunflower	Yes			
	<i>Matricaria</i>	Chamomile	Yes			
	<i>Lactuca</i>	Lettuce	Yes			
	<i>Stevia</i>	Sweet leaf	Yes			
Balsaminaceae	<i>Tagetes</i>	Marigold	Yes			
Berberidaceae	<i>Impatiens</i>	Impatiens, Jewelweeds	Yes			
	<i>Berberis</i>	Barberry	Yes			
Betulaceae	<i>Mahonia</i>	Oregon grape	Yes			
	<i>Alnus</i>	Alder	Yes	Yes		
	<i>Betula</i>	Birch		Yes		
	<i>Carpinus</i>	Hornbeam		Yes		
	<i>Corylus</i>	Witch hazel		Yes		
	<i>Ostrya</i>	Hop-hornbeam		Yes		
Bignoniaceae	<i>Ostryopsis</i>	Hazel-hornbeam		Yes		
	<i>Campsis</i>	Campsis	Yes			
	<i>Catalpa</i>	Catalpa	Yes			
	<i>Jacaranda</i>	Jacaranda	Yes			
	<i>Spathodea</i>	Tulip Tree	Yes			
Boraginaceae	<i>Tabebuia</i>	Ipe	Yes			
Boraginaceae	<i>Brunnera</i>	Forget-me-not	Yes			
Brassicaceae	<i>Armoracia</i>	Horseradish				Yes

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
	<i>Brassica</i>	Cabbage, Broccoli, Cauliflower, Turnip, Rapeseed				Yes
	<i>Lepidium</i>	Cress				Yes
	<i>Sinapsis</i>	White mustard				Yes
	<i>Raphanus</i>	Radish				Yes
<i>Bromeliaceae</i>	<i>Various*</i>	Various*				Yes
<i>Buddlejaceae</i>	<i>Buddleja</i>	Butterfly bush	Yes			
<i>Buxaceae</i>	<i>Buxus</i>	Boxwood	Yes			
<i>Cactaceae</i>	<i>Echinocactus</i>	Barrel cactus	Yes			
	<i>Opuntia</i>	Prickly pears	Yes			
<i>Cannabaceae</i>	<i>Cannabis</i>	Hemp	Yes			
	<i>Celtis</i>	Hackberry	Yes			
	<i>Humulus</i>	Hops	Yes			
<i>Caprifoliaceae</i>	<i>Abelia</i>	Abelia	Yes			
	<i>Lonicera</i>	Honeysuckle	Yes			
	<i>Weigela</i>	Weigela	Yes			
<i>Caricaceae</i>	<i>Carica</i>	Papaya	Yes			
<i>Caryophyllaceae</i>	<i>Dianthus</i>	Carnation				Yes
<i>Celastraceae</i>	<i>Euonymus</i>	Spindle tree	Yes			
<i>Cistaceae</i>	<i>Cistus</i>	Rock rose		Yes		
	<i>Helianthemum</i>	Rock rose		Yes		
<i>Colchicaceae</i>	<i>Colchicum</i>	Autumn crocus	Yes			
<i>Cornaceae</i>	<i>Cornus</i>	Dogwoods	Yes			
	<i>Davidia</i>	Dove tree	Yes			
<i>Crassulaceae</i>	<i>Sedum</i>	Stonecrop	Sometimes			Yes
	<i>Sempervivum</i>	Houseleek	Yes			
<i>Cucurbitaceae</i>	<i>Citrullus</i>	Watermelon	Yes			
	<i>Cucumis</i>	Cucumber, Melon	Yes			
	<i>Cucurbita</i>	Pumpkin, Squash	Yes			
	<i>Lagenaria</i>	Calabach	Yes			
	<i>Luffa</i>	Luffa	Yes			
<i>Cupressaceae</i>	<i>Calocedrus</i>	Incense-cedar	Yes			
	<i>Chamaecyparis</i>	Chamaecyparis	Yes			
	<i>Cryptomeria</i>	Japanese cedar	Yes			
	<i>Cunninghamia</i>	China-fir	Yes			
	<i>Cupressocyparis</i>	Cupressocyparis	Yes			
	<i>Cupressus</i>	Cypress	Yes			
	<i>Glyptostrobus</i>	Glyptostrobus	Yes			
	<i>Juniperus</i>	Juniper	Yes			

			Mycorrhizal Type			
Family	Genus	Common Name (s)	Endo	Ecto	Ericoid	Non
	<i>Metasequoia</i>	Dawn redwood	Yes			
	<i>Platyclusus</i>	Chinese arborvitae	Yes			
	<i>Sequoia</i>	Redwood	Yes			
	<i>Sequoidendron</i>	Giant redwood	Yes			
	<i>Taxodium</i>	Bald cypress	Yes			
	<i>Thuja</i>	Cedar	Yes			
	<i>Thujopsis</i>	Asunaro	Yes			
<i>Cyperaceae</i>	<i>Carex</i>	Sedge	Sometimes			Yes
	<i>Cyperus</i>	Papyrus sedge	Sometimes			Yes
	<i>Eriophorum</i>	Cottongrass	Sometimes			Yes
<i>Ebenacea</i>	<i>Diospyros</i>	Persimmon tree	Yes			
<i>Elaeagnaceae</i>	<i>Elaeagnus</i>	Silverberry	Yes			
	<i>Hippophae</i>	Sea-buckthorn	Yes			
	<i>Shepherdia</i>	Buffaloberry	Yes			
<i>Ericaceae</i>	<i>Arctostaphylos</i>	Manzanita		Yes		
	<i>Calluna</i>	Common heather			Yes	
	<i>Daboecia</i>	Daboecia			Yes	
	<i>Empetrum</i>	Crowberry			Yes	
	<i>Erica</i>	Heather			Yes	
	<i>Gaultheria</i>	Gaultheria		Yes	Yes	
	<i>Gaylussacia</i>	Gaylussacia			Yes	
	<i>Kalmia</i>	Lambkill		Yes	Yes	
	<i>Leucothoe</i>	Leucothoe			Yes	
	<i>Oxycoccus</i>	Crowberry			Yes	
	<i>Pieris</i>	Fetterbush			Yes	
	<i>Rhododendron</i>	Rhododendron, Azalea			Yes	
	<i>Vaccinium</i>	Blueberry, Cranberry, Huckleberry			Yes	
<i>Euphorbiaceae</i>	<i>Euphorbia</i>	Poinsettia	Yes			
	<i>Hevea</i>	Rubber tree	Yes			
	<i>Manihot</i>	Cassava	Yes			
	<i>Ricinus</i>	Castor oil plant	Yes			
<i>Fabaceae</i>	<i>Acacia</i>	Thorn tree	Yes			
	<i>Albizia</i>	Silk plant, Sirise	Yes			
	<i>Arachis</i>	Peanut	Yes			
	<i>Cercis</i>	Redbud	Yes			
	<i>Chamaecytisus</i>	Cytisus	Yes			
	<i>Cicer</i>	Chickpea	Yes			
	<i>Desmodium</i>	Tick clover	Yes			

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
	<i>Faba</i>	Fava bean	Yes			
	<i>Glycine</i>	Soybean	Yes			
	<i>Glycyrrhiza</i>	Liquorice	Yes			
	<i>Indigofera</i>	Indigofera	Yes			
	<i>Laburnum</i>	Golden chain	Yes			
	<i>Lens</i>	Lentil plant	Yes			
	<i>Lupinus</i>	Lupines	Yes			Sometimes
	<i>Medicago</i>	Medick, Burclover, Alfalfa	Yes			
	<i>Millettia</i>	Millettia	Yes			
	<i>Mimosa</i>	Mimosa	Yes			
	<i>Phaseolus</i>	Bean	Yes			
	<i>Pisum</i>	Peas	Yes			
	<i>Psoralea</i>	Indigo bush	Yes			
	<i>Robinia</i>	Locust	Yes			
	<i>Sophora</i>	Sophora	Yes			
	<i>Trifolium</i>	Clover	Yes			
<i>Wisteria</i>	Wisteria	Yes				
Fagaceae	<i>Castanea</i>	Chestnut		Yes		
	<i>Castanopsis</i>	Chinkapin		Yes		
	<i>Fagus</i>	Beech		Yes		
	<i>Chrysolepis</i>	Chinquapin		Yes		
	<i>Lithocarpus</i>	Tan oak		Yes		
	<i>Quercus</i>	Oak		Yes		
Gentianaceae	<i>Gentiana</i>	Gentian	Yes			
Geraniaceae	<i>Pelargonium</i>	Geraniums	Yes			
Ginkgoaceae	<i>Ginkgo</i>	Ginkgo	Yes			
Grossulariaceae	<i>Ribes</i>	Currant, Gooseberry	Yes			
Hamamelidaceae	<i>Corylopsis</i>	Corylopsis	Yes			
	<i>Fothergilla</i>	Witch alder	Yes			
	<i>Hamamelis</i>	Witch-hazel	Yes			
	<i>Parrotia</i>	Ironwood tree	Yes			
Hydrangeaceae	<i>Hydrangea</i>	Hortensia	Yes			
Hypericaceae	<i>Hypericum</i>	St. John's wort	Yes			
Iridaceae	<i>Crocus</i>	Crocus	Yes			
	<i>Freesia</i>	Freesia	Yes			
	<i>Gladiolus</i>	Gladiolus	Yes			
	<i>Iris</i>	Iris	Yes			
Juglandaceae	<i>Carya</i>	Hickory, Pecan		Yes		
	<i>Juglans</i>	Walnut	Yes			

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
	<i>Pterocarya</i>	Wingnut	Yes			
<b>Lamiaceae</b>	<i>Melissa</i>	Balm	Yes			
	<i>Mentha</i>	Mint	Yes			
	<i>Lamium</i>	Deadnettle	Yes			
	<i>Lavandula</i>	Lavender	Yes			
	<i>Ocimum</i>	Basil	Yes			
	<i>Origanum</i>	Marjoram, Oregano	Yes			
	<i>Salvia</i>	Sage	Yes			
	<i>Thymus</i>	Thyme	Yes			
<b>Lauraceae</b>	<i>Cinnamomum</i>	Cinnamon	Yes			
	<i>Laurus</i>	Laurus	Yes			
	<i>Persea</i>	Avocado	Yes			
<b>Lecythidaceae</b>	<i>Bertholletia</i>	Brazil nut	Yes			
<b>Liliaceae</b>	<i>Lilium</i>	Lily of the valley	Yes			
	<i>Tulipa</i>	Tulip	Yes			
<b>Linaceae</b>	<i>Linum</i>	Flax	Yes			
<b>Linderniaceae</b>	<i>Torenia</i>	Wishbone flower	Yes			
<b>Magnoliaceae</b>	<i>Liriodendron</i>	Tulip tree	Yes			
	<i>Magnolia</i>	Magnolia	Yes			
<b>Malvaceae</b>	<i>Abelmoschus</i>	Okra	Yes			
	<i>Adansonia</i>	Baobab	Yes			
	<i>Cola</i>	Kola nut	Yes			
	<i>Durio</i>	Durian	Yes			
	<i>Gossypium</i>	Cotton	Yes			
	<i>Hibiscus</i>	Hibiscus	Yes			
	<i>Theobroma</i>	Cacao	Yes			
	<i>Tilia</i>	Lime tree, Linden tree		Yes		
<b>Moraceae</b>	<i>Ficus</i>	Fig tree	Yes			
	<i>Morus</i>	Mulberry	Yes			
<b>Musaceae</b>	<i>Musa</i>	Banana	Yes			
<b>Myrtaceae</b>	<i>Eucalyptus</i>	Eucalyptus	Yes	Yes		
	<i>Melaleuca</i>	Tea tree	Yes	Yes		
	<i>Leptospermum</i>	Leptospermum	Yes	Yes		
	<i>Myrtus</i>	Myrtle	Yes			
	<i>Psidium</i>	Guava	Yes			
<b>Nothofagaceae</b>	<i>Nothofagus</i>	Southern beech		Yes		
<b>Oleaceae</b>	<i>Forsythia</i>	Forsythia	Yes			
	<i>Fraxinus</i>	Ash	Yes			
	<i>Jasminum</i>	Jasmine	Yes			

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
	<i>Ligustrum</i>	Privet	Yes			
	<i>Olea</i>	Olive	Yes			
	<i>Syringa</i>	Lilac	Yes			
<b>Onagraceae</b>	<i>Fuchsia</i>	Fuchsia	Yes			
<b>Orchidaceae</b>	<i>Orchis</i>	Orchid				Orchid only
	<i>Dactylorhiza</i>	Dactylorhiza				Orchid only
	<i>Cattleya</i>	Cattleya, epiphyte	Sometimes			Usually
	<i>Cymbidium</i>	Cymbidium, epiphyte	Sometimes			Usually
	<i>Dendrobium</i>	Dendrobium, epiphyte	Sometimes			Usually
	<i>Epidendrum</i>	Epidendrum, epiphyte	Sometimes			Usually
	<i>Oncidium</i>	Oncidium, epiphyte	Sometimes			Usually
	<i>Paphiopedilum</i>	Paphiopedilum, epiphyte	Sometimes			Usually
	<i>Phalaenopsis</i>	Phalaenopsis, epiphyte	Sometimes			Usually
<b>Paeoniaceae</b>	<i>Paeonia</i>	Peony	Yes			
<b>Paulowniaceae</b>	<i>Paulownia</i>	Paulownia	Yes			
<b>Pinaceae</b>	<i>Abies</i>	Fir		Yes		
	<i>Cedrus</i>	Cedar		Yes		
	<i>Larix</i>	Larch		Yes		
	<i>Picea</i>	Spruce		Yes		
	<i>Pinus</i>	Pine		Yes		
	<i>Pseudolarix</i>	Golden larch		Yes		
	<i>Pseudotsuga</i>	Douglas fir		Yes		
	<i>Tsuga</i>	Hemlock		Yes		
<b>Plantaginaceae</b>	<i>Antirrhinum</i>	Snapdragon	Yes			
	<i>Digitalis</i>	Foxgloves	Yes			
	<i>Hebe</i>	Hebe	Yes			
	<i>Plantago</i>	Plantain	Yes			
	<i>Veronica</i>	Speedwell	Yes			
<b>Platanaceae</b>	<i>Platanus</i>	Sycamore. Plane tree	Yes			
<b>Poaceae</b>	<i>Avena</i>	Oat	Yes			
	<i>Cortaderia</i>	Pampas grass	Yes			
	<i>Hordeum</i>	Barley	Yes			
	<i>Miscanthus</i>	Miscanthus	Yes			
	<i>Oryza</i>	Rice	Yes			
	<i>Panicum</i>	Panicum	Yes			
	<i>Poa</i>	Meadow grass	Yes			
	<i>Triticum</i>	Wheat	Yes			

Family	Genus	Common Name (s)	Mycorrhizal Type			
			Endo	Ecto	Ericoid	Non
	<i>Zea</i>	Maize, Corn	Yes			
<b>Podocarpaceae</b>	<i>Podocarpus</i>	Podocarpus	Yes			
<b>Primulaceae</b>	<i>Cyclamen</i>	Cyclamen, Sowbread	Yes			
	<i>Primula</i>	Primrose	Yes			
<b>Ranunculaceae</b>	<i>Clematis</i>	Clematis	Yes			
	<i>Dicentra</i>	Bleeding heart	Yes			
	<i>Papaver</i>	Poppy	Yes			
<b>Rhamnaceae</b>	<i>Ceanothus</i>	Ceanothus, California lilac	Yes			
	<i>Frangula</i>	Alder buckthorn	Yes			
	<i>Rhamnus</i>	Buckthorn	Yes			
	<i>Ziziphus</i>	Jujube	Yes			
<b>Rosaceae</b>	<i>Amelanchier</i>	Shadbush	Yes			
	<i>Aronia</i>	Chokeberry	Yes			
	<i>Cotoneaster</i>	Cotoneaster	Yes			
	<i>Crataegus</i>	Hawthorn	Yes			
	<i>Cydonia</i>	Quince	Yes			
	<i>Dryas</i>	Avens		Generally		
	<i>Eriobotrya</i>	Loquat	Yes			
	<i>Fragaria</i>	Strawberry	Yes			
	<i>Malus</i>	Apple	Yes			
	<i>Mespilus</i>	Medlar	Yes			
	<i>Prunus</i>	Almond, Peach, Plum, Apricot, Cherry	Yes			
	<i>Pyrus</i>	Pear	Yes			
	<i>Rubus</i>	Blackberry, Raspberry	Yes			
	<i>Sorbus</i>	Rowan	Yes	Yes		
<i>Spiraea</i>	Meadowsweet	Yes				
<b>Rutaceae</b>	<i>Citrus</i>	Lemon, Lime, Orange, Grapefruit	Yes			
<b>Salicaceae</b>	<i>Populus</i>	Poplar	Yes	Yes		
	<i>Salix</i>	Willow	Yes	Yes		
<b>Sapindaceae</b>	<i>Acer</i>	Maple	Yes			
	<i>Aesculus</i>	Horse chestnut	Yes			
	<i>Dimocarpus</i>	Longan	Yes			
	<i>Koelreuteria</i>	Koelreuteria	Yes			
	<i>Lithchi</i>	Lychee	Yes			
	<i>Nephelium</i>	Rambutan	Yes			
	<i>Paullinia</i>	Guarana	Yes			



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			Endo	Ecto	Ericoid	Non
	<i>Xanthoceras</i>	Yellowhorn	Yes			
<b>Saxifragaceae</b>	<i>Saxifraga</i>	Saxifrage	Yes			
<b>Sciadopityaceae</b>	<i>Sciadopitys</i>	Koyamaki, Japanese umbrella pine	Yes			
<b>Scrophulariaceae</b>	<i>Diascia</i>	Twinspur	Yes			
<b>Solanaceae</b>	<i>Capsicum</i>	Pepper	Yes			
	<i>Mandragora</i>	Mandrake	Yes			
	<i>Nicotiana</i>	Tobacco	Yes			
	<i>Solanum</i>	Eggplant, Potato, Tomato	Yes			
	<i>Petunia</i>	Petunia, Surfinia	Yes			
<b>Styracaceae</b>	<i>Halesia</i>	Silverbell	Yes			
	<i>Styrax</i>	Styrax, Storax	Yes			
<b>Tamaricaceae</b>	<i>Tamarix</i>	Salt cedar	Yes			
	<i>Taxus</i>	Yew	Yes			
<b>Theaceae</b>	<i>Camellia</i>	Camellia, Tea tree	Yes			
<b>Ulmaceae</b>	<i>Ulmus</i>	Elm	Yes			
<b>Verbenaceae</b>	<i>Lantana</i>	Lantana	Yes			
	<i>Verbena</i>	Vervains, Verbena	Yes			
<b>Violaceae</b>	<i>Viola</i>	Violet	Yes			
<b>Vitaceae</b>	<i>Parthenocissus</i>	Creeper	Yes			
	<i>Vitis</i>	Grapevine	Yes			

**\*Plants with minimal or no soil have minimal or no mycorrhizal relationships.**

This list is constantly updated as new species are identified with or without mycorrhizal relationships. Please check our website ([www.mycorrhizae.com](http://www.mycorrhizae.com)) for the latest update. If a family or genus is not included on the list, then an internet search may be helpful. However, if you are performing trials, then the use of Sumitomo mycorrhizae product will not cause harm to your plants. If you wish to confirm colonization of an unlisted plant in your trials, then follow the instructions on the Trial Analysis sheet for submission directions and fee.

For further information, please contact:

Patrick Press (QLD & N NSW)	0417 085 160
Andrew Franklin (FNQ)	0408 063 371
Phil Glover (N NSW)	0418 668 586
Charles McClintock (S NSW)	0429 004 290
Barry Kerr (VIC & TAS)	0418 681 891
Jack Bartels (VIC)	0467 877 478
Imre Toth (WA)	0429 105 381
Frank Galluccio (W VIC & Sunraysia)	0418 502 466
Matthew Hincks (SA)	0409 807 301
Ardina Jackson (N NSW & S QLD)	0477 967 509
OR our Sydney office:	(02) 8752 9000

[www.sumitomo-chem.com.au](http://www.sumitomo-chem.com.au)

ABN 21 081 096 255

Level 5, 51 Rawson Street  
EPPING NSW 2121

TEL: (02) 8752 9000

FAX: (02) 8752 9099



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