

The following list of fungus associates of ectotrophic mycorrhizae in Colorado was compiled from -

Diseases of Forest and Shade Trees of the United States - USDA, Forest Service Handbook Number 386, and

Fungus Associates of Ectotrophic Mycorrhizae - James M. Trappe - The Botanical Review 28: 538-606.

COTTONWOOD

Lepista nuda

PONDEROSA PINE

Amanita muscaria
pantherina
vaginata

Boletus edulis
Laccaria laccata
Cortinarius rutilus
vinicolor

Marasmius oreades
Suillus granulatus
tomentosus

Rhizopogon luteolus

DOUGLAS-FIR

Amanita muscaria
pantherina
vaginata

Boletus edulis
zelleri

Cantharellus cibarius
Cortinarius cinnamomeus
Gomphidius glutinosus
subroseus

Hebeloma crustuliniforme "poison pie" + Aspera

Hydnum repandum
Hygrophorus chrysodon
Laccaria laccata
Lactarius deliciosus
rufus

Lycoperdon perlatum
Paxillus involutus
Pisolithus tinctorius
Rhizopogon rubescens
vinicolor

Russula emetica
foetens
xerampelina

Scleroderma sp.
Suillus granulatus
lakei

ENGELMANN SPRUCE

Amanita pantherina
Lactarius deliciosus
Russula emetica

SUBALPINE FIR

Gomphidius subroseus

ASPEN

Leccinum aurantiacum
scabrum

Requ.,
L. insignae

LODGEPOLE PINE

Amanita muscaria
pantherina
vaginata

Gomphidius rutilus
vinicolor

Laccaria laccata
Lactarius deliciosus
Leccinum aurantiacum

Pisolithus tinctorius
Rhizopogon luteolus
Suillus granulatus
tomentosus

Tricholoma flavovirens

lose A. muscaria

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Fungi to look for which are reported to form mycorrhizae with different tree species outside of Colorado. These fungi (are found) in Colorado and not reported as mycorrhizal on our tree species.

NOT
all

ASSOCIATED WITH PINE SPECIES

Amanita inaurata not
 verna not

Boletus luridus not

Calvatia bovista

Cortinarius collinitus

Hydnum imbricatum

Hygrophorus pudorinus

Lactarius subdulcis not

Suillus brevipes

 grevillei not

Tricholoma equestre

 pessundatum

 portentosum

 saponaceum

 sejunctum

 vaccinum

 virgatum

ASSOCIATED WITH SPRUCE SPECIES

Cortinarius collinitus
 semi-sanguineus not

Tricholoma pessundatum

 saponaceum

 vaccinum

Ramaria aurea

Phallus impudicus

Polyporus confluens not

ASSOCIATED WITH FIR SPECIES

Tricholoma equestre

ASSOCIATED WITH COTTONWOOD OR ASPEN SPECIES

Cortinarius collinitus

Tricholoma pessundatum