

## The *Cortinariaceae* of Argentina's *Nothofagus* forests

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ABSTRACT – We present a checklist of species in the *Cortinariaceae* (*Agaricales*) described from the *Nothofagus* forests of Argentina up to 2013. Names of the 247 species in *Cortinarius*, *Dermocybe*, *Descolea*, and *Stephanopus* have been revised and are accompanied by references and updated distributions.

KEY WORDS – *Agaricales*, *Basidiomycetes*, mycobiota, Patagonia native forest

### Introduction

*Nothofagus* forests extend from 35° 35' S in the province of Neuquén to 55° S in the province of Tierra del Fuego (Fig. 1) (Cabrera 1976, López Bernal et al. 2012). *Nothofagus pumilio*, known locally as lenga, is not only the *Nothofagus* most resistant to cold, but also the most historically important to the forestry industry of the region. Lenga can withstand extremely low temperatures, and therefore is the dominant tree species at the timber line, reaching elevations of 1400 masl in the northern and 400 masl in the southern region (Hueck 1978). It is often associated with coihue (*Nothofagus dombeyi*), cypress (*Austrocedrus chilensis*), guindo (*Nothofagus betuloides*) and some shrub species (Merenson 2005). Because of the regional and ecological value of *N. pumilio*, different techniques to conserve these forests and management regimes have been developed, including selective and protection systems (Bava & López Bernal 2005). The selective systems generate uneven-aged stands, as it consists of the removal of individual or small groups of trees, opening small gaps where the regeneration layer can interact strongly with the mature forest (López Bernal et al. 2012). Protection systems involve removal of bigger areas of trees, generating large regeneration layers, consequently forming even-aged stands.

*Cortinariaceae* is the most frequently encountered family of *Agaricales* in *Nothofagus* forests. Species of *Cortinariaceae* play a very important role in these forests because they form ectomycorrhizal associations with *N. pumilio* (Singer 1986).

This checklist summarizes and updates what is currently known about species of *Cortinariaceae* for the Argentinean *Nothofagus* forests.

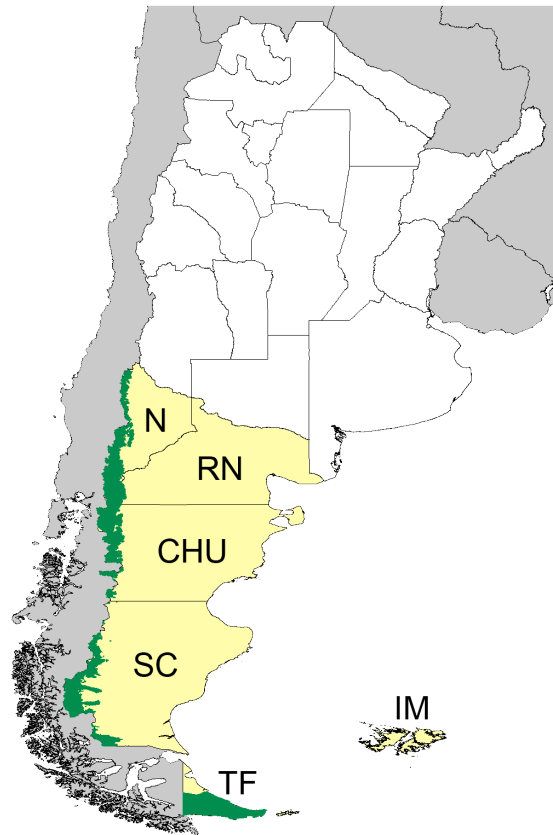


FIGURE 1: Map of *Nothofagus* forests (green shading) in the Argentinean Patagonia (yellow shading).

### Materials and methods

All the species names cited for Argentina were taken from research papers until June 2013 (Spegazzini 1887a, 1887b; Horak & Moser 1965; Singer 1969; Moser & Horak 1975; Horak 1979; Wright 1988; Gamundí & Horak 2002; Peintner et al. 2002a, 2002b, 2004). All nomenclature and the classification system follow Kirk et al. (2008). All specific epithets were updated when necessary with their current name using Index Fungorum (<http://www.indexfungorum.org>) and Mycobank (<http://mycobank.org/>). The abbreviations of Argentinean provinces follow Niveiro & Albertó (2012) (Table 1). Specimens deposited in the herbaria BAFC & LPS are reported. Herbarium acronyms are from Holmgren et al. (1990). Even though the CIEFAP (Centro de Investigación y Extensión Forestal Andino Patagónico) located in

Esquel, province of Chubut, is not listed in Index Herbariorum, its specimens were also taken into account. For all herbaria, we selected only those specimens determined to the species level. All author names were also checked and are spelled and abbreviated according to Authors of Fungal Names (<http://www.indexfungorum.org/authorsoffungalnames.htm>).

TABLE 1 – Abbreviations used for the Argentinian provinces

Province	Abbreviation
Neuquén	N
Rio Negro	RN
Chubut	CHU
Santa Cruz	SC
Tierra del Fuego	TF
Islas Malvinas	IM

## Results

Checklist of Agaricales *Cortinariaceae* grouped alphabetically by genus:

### *Cortinarius* (Pers.) Gray 1821

*Cortinarius absinthiacus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:239, 1975

REF.: Moser & Horak 1975:239, Horak 1979:414 (LPS 38004).

DISTR.: N, TF.

*Cortinarius acerbus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:114, 1975

= *Cortinarius pihur* Speg., *Bol. Acad. nac. cienc.* **11**:160, 1887

REF.: Spegazzini 1887b:160 (LPS 1279, holotype), Moser & Horak 1975:114, Horak 1979:422 (LPS 38015).

DISTR.: N, TF.

*Cortinarius aganochrous* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:177, 1975

REF.: Moser & Horak 1975:177, Horak 1979:401 (LPS 38003).

DISTR.: TF.

*Cortinarius albobrunneus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:71, 1975

REF.: Moser & Horak 1975:71, Horak 1979:466 (LPS 38032, LPS 38065).

DISTR.: N, TF.

***Cortinarius albocanus*** (E. Horak & M.M. Moser) Peintner & M.M. Moser,  
*Mycotaxon* **81**:178, 2002  
= *Thaxterogaster albocanus* E. Horak & M.M. Moser, *Nova Hedwigia* **10**: 234, 1965  
REF.: Horak & Moser 1965:234, Horak 1979:27 (LPS 37972), BAFC30801.  
DISTR.: RN, TF.

***Cortinarius albocinctus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:377, 1975  
REF.: Moser & Horak 1975:377, Horak 1979:434 (LPS 38048).  
DISTR.: N, RN, TF.

***Cortinarius albo-ochraceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:87, 1975  
REF.: Moser & Horak 1975:87.  
DISTR.: RN.

***Cortinarius amoenus*** (M.M. Moser & E. Horak) G. Garnier, *Bibliographie des Cortinaires*, A-C (France): 26, 1991  
= *Dermocybe amoena* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:486, 1975  
= *Dermocybe hypoxantha* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:510, 1975  
REF.: Moser & Horak 1975:485 (LPS 38082, LPS 38077), Horak 1979:484, LPS 39993.  
DISTR.: CHU, N, RN, TF.

***Cortinarius antarcticus*** Speg., *Bol. Acad. nac. cienc.* **11**:158, 1887  
REF.: Spegazzini 1887b:158.  
DISTR.: TF.

***Cortinarius anuliferus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:266, 1975  
REF.: Moser & Horak 1975:266.  
DISTR.: N, RN.

***Cortinarius argenteohygrophanus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:75, 1975  
REF.: Moser & Horak 1975:75.  
DISTR.: RN.

***Cortinarius argillohygrophanicus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:83, 1975  
REF.: Moser & Horak 1975:83.  
DISTR.: N, RN, TF.

***Cortinarius atroacutus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:354, 1975  
 REF.: Moser & Horak 1975:354.  
 DISTR.: N.

***Cortinarius atropurpureus*** (E. Horak) Kuhnert & Peintner, *Mycotaxon* **87**:115, 2003  
 = *Dermocybe atropurpurea* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:481, 1975  
 REF.: Moser & Horak 1975:481, Horak 1979:390.  
 DISTR.: TF.

***Cortinarius aurantiovillosus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:202, 1975  
 REF.: Moser & Horak 1975:202.  
 DISTR.: RN.

***Cortinarius austroacutus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:287, 1975  
 REF.: Moser & Horak 1975:287, Horak 1979:432 (LPS38049).  
 DISTR.: TF.

***Cortinarius austroclaricolor*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:131, 1975  
 REF.: Moser & Horak 1975:131, Horak 1979:454 (LPS 38058, LPS 38073).  
 DISTR.: N, RN, TF.

***Cortinarius austroduracinus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:400, 1975  
 = *Cortinarius chusqueae* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:387, 1975  
 REF.: Moser & Horak 1975:387, 400, Horak 1979:424, LPS 38040, LPS 40039.  
 DISTR.: N, TF.

***Cortinarius austrolimonius*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:454, 1975

***Cortinarius austrolimonius* var. *fuscovelatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:456, 1975

***Cortinarius austrolimonius* var. *ochrovelatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:456, 1975

REF.: Moser & Horak 1975:454, Horak 1979:482.  
 DISTR.: RN, TF.

***Cortinarius austrosalor*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:248, 1975

REF.: Moser & Horak 1975:248.  
 DISTR.: N, RN.

*Cortinarius austroserarius* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:78, 1975

REF.: Moser & Horak 1975:78.

DISTR.: N.

*Cortinarius austroturmalis* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:151, 1975

*Cortinarius austroturmalis* var. *innatus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:154, 1975

*Cortinarius austroturmalis* var. *macrosporus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:153, 1975

*Cortinarius austroturmalis* var. *tenacipes* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:155, 1975

REF.: Moser & Horak 1975:151, Horak 1979:449 (LPS 38057, LPS 38061).

DISTR.: N, RN, TF.

*Cortinarius avellaneus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:298, 1975

REF.: Moser & Horak 1975:298.

DISTR.: N.

*Cortinarius brunneo-olivascens* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:268, 1975

REF.: Moser & Horak 1975:268.

DISTR.: RN.

*Cortinarius brunneovelatus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:431, 1975

REF.: Moser & Horak 1975:431, Horak 1979:418 (LPS 38006, LPS 38008).

DISTR.: RN, TF.

*Cortinarius brunneovirescens* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:328, 1975

REF.: Moser & Horak 1975:328.

DISTR.: N, RN.

*Cortinarius bulbosomustellinus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:64, 1975

= *Cortinarius chrysophaeus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:195, 1975

REF.: Moser & Horak 1975:64, 195, Horak 1979:467 (LPS 38033).

DISTR.: N, RN, TF.

*Cortinarius caelicolor* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:252, 1975

= *Cortinarius cinereobrunneus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:280, 1975

REF.: Moser & Horak 1975:252, Horak 1979:410 (LPS 37994).

DISTR.: N, RN, TF.

*Cortinarius carnealbus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:420, 1975

REF.: Moser & Horak 1975:420.

DISTR.: RN.

*Cortinarius carneocrassus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:421, 1975

REF.: Moser & Horak 1975:421.

DISTR.: RN.

*Cortinarius carneolus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:419, 1975

REF.: Moser & Horak 1975:419.

DISTR.: RN.

*Cortinarius carneoroseus* (E. Horak) Peintner & M.M. Moser, *Mycotaxon* **81**:179, 2002

= *Thaxterogaster carneoroseus* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 229, 1965

REF.: Singer 1969:366, Horak 1979:33 (LPS 37973, LPS 37974), LPS 38427.

DISTR.: N, RN, TF.

*Cortinarius catervatus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:306, 1975

REF.: Moser & Horak 1975:306.

DISTR.: RN.

*Cortinarius cervinus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:148, 1975

REF.: Moser & Horak 1975:148.

DISTR.: N, RN.

*Cortinarius chlorophanus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:197, 1975

REF.: Moser & Horak 1975:197, Horak 1979:442 (LPS 38052).

DISTR.: N, TF.

*Cortinarius choloides* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:62, 1975

REF.: Moser & Horak 1975:62, Horak 1979:470 (LPS 38066).

DISTR.: N, RN, TF.

***Cortinarius chrysophthalmus*** (M.M. Moser) Kuhnert & Peintner,  
*Mycotaxon* **87**:115, 2003

= *Dermocybe chrysophthalma* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:494, 1975

REF.: Moser & Horak 1975:494.

DISTR.: N, TF.

***Cortinarius cinereus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia*  
**52**:412, 1975

REF.: Moser & Horak 1975:280.

DISTR.: RN.

***Cortinarius cinnamophyllus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:461, 1975

REF.: Moser & Horak 1975:461.

DISTR.: N.

***Cortinarius coartatus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia*  
**52**:176, 1975

= *Cortinarius rancidus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:178, 1975

REF.: Horak 1979:404 (LPS 37996).

DISTR.: TF.

***Cortinarius coleopus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia*  
**52**:191, 1975

***Cortinarius coleopus* var. *ovatoeystis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:193, 1975

***Cortinarius coleopus* var. *variegatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:194, 1975

REF.: Moser & Horak 1975:191, Horak 1979:440 (LPS 38043, LPS 38054).

DISTR.: N, TF.

***Cortinarius collariatus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:234, 1975

= *Rozites collariatus* (E. Horak & M.M. Moser) E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 345, 1979

REF.: Moser & Horak 1975:234, Horak 1979:345 (LPS 38097, LPS 38109), Wright 1988:144.

DISTR.: N, RN, TF.

***Cortinarius columbinus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia*  
**52**:250, 1975

REF.: Moser & Horak 1975:250.

DISTR.: N, RN.



***Cortinarius concolor*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:425, 1975

REF.: Moser & Horak 1975:425, Horak 1979:457 (LPS 38070).

DISTR.: TF.

***Cortinarius corynecystis*** (M.M. Moser) Kuhnert & Peintner, *Mycotaxon* **87**:115, 2003

= *Dermocybe corynecystis* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:499, 1975

REF.: Moser & Horak 1975:499, Horak 1979:483.

DISTR.: N, TF.

***Cortinarius cosmoxanthus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:196, 1975

REF.: Moser & Horak 1975:196.

DISTR.: N.

***Cortinarius crassoides*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:125, 1975

REF.: Moser & Horak 1975:125.

DISTR.: RN.

***Cortinarius cretaceus*** (E. Horak) E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 464, 1979

= *Thaxterogaster cretaceum* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 236, 1965

REF.: Horak & Moser 1965:236, Horak 1979:464.

DISTR.: TF.

***Cortinarius crystallophorus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:96, 1975

REF.: Moser & Horak 1975:96, Horak 1979:460 (LPS 38068, LPS 38069), Gamundi & Horak 2002:98, LPS 38428.

DISTR.: TF.

***Cortinarius cucullatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:292, 1975

REF.: Moser & Horak 1975:292.

DISTR.: N.

***Cortinarius cucumis*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:80, 1975

REF.: Moser & Horak 1975:80.

DISTR.: N.

***Cortinarius cylindrospermus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:401, 1975

REF.: Moser & Horak 1975:401.

DISTR.: N, RN.

***Cortinarius cystidiorapaceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:94, 1975

REF.: Moser & Horak 1975:94.

DISTR.: N.

***Cortinarius dactylchrous*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:113, 1975

REF.: Moser & Horak 1975:113.

DISTR.: RN.

***Cortinarius darwinii*** Speg., *Bol. Acad. nac. cienc.* **11**:158, 1887

= *Cortinarius virgineus* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:89, 1975

= *Cortinarius rapaceus* var. *luridus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:92, 1975

REF.: Spegazzini 1887b:158 (LPS 39337, holotype), Moser & Horak 1975:89, 91, 92, Horak 1979:462 (LPS 38071).

DISTR.: N, TF.

***Cortinarius daucodes*** Peintner & M.M. Moser, *Mycotaxon* **81**:179, 2002

= *Thaxterogaster subulatus* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 233, 1965 (non *C. subulatus* (Rob. Henry) Bidaud, Moëgne-Loccoz & Reumaux 1997)

REF.: Horak & Moser 1965:233, Singer 1969:366, Horak 1979:27.

DISTR.: N, RN, TF.

***Cortinarius dibaphoides*** (E. Horak) Peintner & M.M. Moser, *Mycotaxon* **81**:179, 2002

= *Thaxterogaster dibaphoides* E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 33, 1979

REF.: Horak 1979:33.

DISTR.: TF.

***Cortinarius dichrous*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:396, 1975

REF.: Moser & Horak 1975:396.

DISTR.: N, RN.

***Cortinarius diemii*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:472, 1975

REF.: Moser & Horak 1975:472.

DISTR.: N.

***Cortinarius difficilis*** Speg., *Bol. Acad. nac. cienc.* **11**:159, 1887

REF.: Spegazzini 1887b:159.

DISTR.: TF.

*Cortinarius discophaeus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:104, 1975

REF.: Moser & Horak 1975:104.

DISTR.: RN.

*Cortinarius dissimulans* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:231, 1975

REF.: Moser & Horak 1975:231, Horak 1979:476 (LPS 38079).

DISTR.: N, TF.

*Cortinarius dombeyi* (Singer) Peintner & M.M. Moser, *Mycotaxon* **81**:179, 2002

= *Thaxterogaster dombeyi* Singer, *Persoonia* **1**(3): 385, 1960

REF.: Horak 1979:30, BAFC52330.

DISTR.: N, TF.

*Cortinarius effundens* M.M. Moser, E. Horak & Singer, in Moser & Horak, *Beih. Nova Hedwigia* **52**:144, 1975

REF.: Moser & Horak 1975:144.

DISTR.: N.

*Cortinarius egenus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:342, 1975

= *Cortinarius laetifolius* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:344, 1975

REF.: Moser & Horak 1975:342, 344, Horak 1979:437 (LPS 38044).

DISTR.: TF.

*Cortinarius elaphinus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:383, 1975

= *Cortinarius nothodamascenus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:384, 1975

REF.: Moser & Horak 1975:383, 384, Horak 1979:431 (LPS 37991, LPS 38001).

DISTR.: N, RN, TF.

*Cortinarius epileucus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:221, 1975

REF.: Moser & Horak 1975:221.

DISTR.: RN.

*Cortinarius erebius* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:300, 1975

REF.: Moser & Horak 1975:300.

DISTR.: RN.

*Cortinarius exaltatus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:107, 1975

REF.: Moser & Horak 1975:107.  
DISTR.: N.

***Cortinarius exilis*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52:355**, 1975

REF.: Moser & Horak 1975:355, Horak 1979:397.  
DISTR.: TF.

***Cortinarius flammuloides*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:185**, 1975

REF.: Moser & Horak 1975:185, Horak 1979:444 (LPS 38051).  
DISTR.: N, RN, TF.

***Cortinarius flavoferrugineus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:427**, 1975

REF.: Moser & Horak 1975:427.  
DISTR.: N, RN.

***Cortinarius flavofucatus*** (E. Horak & M.M. Moser) G. Garnier, *Bibliographie des Cortinaires*, D-O (France): 67, 1991

■ *Dermocybe flavofucata* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:503**, 1975

REF.: Moser & Horak 1975:503.  
DISTR.: RN.

***Cortinarius fluorescens*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52:449**, 1975

= *Cortinarius luteifolius* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* 52:318, 1975  
REF.: Moser & Horak 1975:318, Horak 1979:487 (LPS 37920, LPS 37921, LPS 37922).  
DISTR.: RN, TF.

***Cortinarius formosus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:467**, 1975

REF.: Moser & Horak 1975:467.  
DISTR.: N, RN.

***Cortinarius fragilis*** (Zeller & C. W. Dodge) Peintner & M.M. Moser, *Mycotaxon* **81:180**, 2002

■ *Hymenogaster fragilis* Zeller & C. W. Dodge, in Dodge & Zeller, *Ann. Miss. Bot. Gard.* **21:646**, 1934

= *Thaxterogaster fragile* (Zeller & Dodge) A. H. Sm. & Singer, in Singer & Smith, *Madroño* **17:25**, 1963

***Cortinarius fragilis* var. *cortinariopsis*** (Singer) Peintner & M.M. Moser, *Mycotaxon* **81:180**, 2002

■ *Thaxterogaster fragile* var. *cortinariopsis* Singer, *Beih. Nova Hedwigia* **29:364**, 1969

REF.: Singer 1969:363, Horak 1979:19, BAFC52331, BAFC52332, BAFC52333.  
DISTR.: N, TF.

***Cortinarius fuligineoviolaceus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:233, 1975

REF.: Moser & Horak 1975:233, Horak 1979:412 (LPS 38007, LPS 38011).  
DISTR.: TF.

***Cortinarius fulvoconicus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:297, 1975

REF.: Moser & Horak 1975:297, Horak 1979:430 (LPS 38039).  
DISTR.: N, TF.

***Cortinarius furnaceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:112, 1975

REF.: Moser & Horak 1975:112.  
DISTR.: N.

***Cortinarius fuegianus*** Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

= *Thaxterogaster magellanicum* Singer, *Mycologia* **43**(2): 219, 1951  
REF.: Horak & Moser 1965:217, Horak 1979:30 (LPS 37976).  
DISTR.: N, TF.

***Cortinarius fuscus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:349, 1975

REF.: Moser & Horak 1975:349.  
DISTR.: RN.

***Cortinarius gamundiae*** (E. Horak) E. Horak, Peintner, M.M. Moser & Vilgalys, in Peintner, Horak, Moser & Vilgalys, *Mycotaxon* **83**:449, 2002

= *Rozites gamundiae* E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 346, 1979  
REF.: Horak 1979:346 (LPS 38087), Wright 1988:145.  
DISTR.: TF.

***Cortinarius gaudiosus*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 478, 1979

REF.: Horak 1979:478.  
DISTR.: TF.

***Cortinarius gayi*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 396, 1979

REF.: Horak 1979:396 (LPS 37997).  
DISTR.: TF.

***Cortinarius gliocyclus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:275, 1975

REF.: Moser & Horak 1975:275.

DISTR.: TF.

***Cortinarius glutinopallens*** (E. Horak) Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

= *Thaxterogaster glutinopallens* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 220, 1965

REF.: Horak & Moser 1965:220, Horak 1979:26.

DISTR.: TF.

***Cortinarius hebes*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:343, 1975

= *Cortinarius perlaetus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:309, 1975 (non *C. perlaetus* Rob. Henry 1969)

REF.: Moser & Horak 1975:309, 343, Horak 1979:438 (LPS 38046).

DISTR.: TF.

***Cortinarius heterochroma*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:487, 1975

= *Dermocybe heterochroma* M.M. Moser ex Kuhnert & Peintner, *Mycotaxon* **87**:115, 2003

REF.: Moser & Horak 1975:487.

DISTR.: N.

***Cortinarius holojanthinus*** Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

= *Thaxterogaster violaceum* Singer, *Mycologia* **43**:216, 1951 (non *C. violaceus* (L.: Fr.) Fr. 1838)

***Cortinarius holojanthinus* var. *citrisporus*** Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

= *Thaxterogaster violaceum* var. *citrisporum* M.M. Moser, in Horak & Moser, *Nova Hedwigia* **10**:223, 1965

REF.: Horak & Moser 1965:222, Horak 1979:24 (LPS 37977), LPS 38426.

DISTR.: N, RN, TF.

***Cortinarius humilis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:332, 1975

REF.: Moser & Horak 1975:332.

DISTR.: N.

***Cortinarius hydrocephalus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:282, 1975

REF.: Moser & Horak 1975:282.

DISTR.: RN.

***Cortinarius hygrophoroides*** Speg., *Bol. Acad. nac. cienc.* **11**:161, 1887

REF.: Spegazzini 1887b:161.

DISTR.: TF.

***Cortinarius iaganicus*** (Speg.) E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:336, 1975

- = *Agaricus iaganicus* Speg., *Bol. Acad. nac. cienc.* **11**:140, 1887
  - = *Tricholoma iaganicum* (Speg.) Sacc., *Syll. fung.* (Abellini) **9**:17, 1891
  - = *Hydrocybe iaganica* (Speg.) E. Horak, *Darwiniana* **14**(2-3): 360, 1967
- REF.: Spegazzini 1887b:140, Moser & Horak 1975:336.  
DISTR.: TF.

***Cortinarius icterinus*** (E. Horak) G. Moreno & E. Valenz., in Valenzuela & Moreno, *Bol. Micol.*, Valparaíso **12**(1-2): 116, 1997

- = *Dermocybe icterina* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:484, 1975
- REF.: Moser & Horak 1975:484, Horak 1979:488 (LPS 38083).  
DISTR.: N, RN, TF.

***Cortinarius illitus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:237, 1975

- REF.: Moser & Horak 1975:237, Horak 1979:416 (LPS 38012).
- DISTR.: N, TF.

***Cortinarius imbecillis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:166, 1975

- REF.: Moser & Horak 1975:166.
- DISTR.: N.

***Cortinarius inflatipes*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:69, 1975

- REF.: Horak 1979:424 (LPS 38009).
- DISTR.: TF.

***Cortinarius inocybiphyllus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:368, 1975

- REF.: Moser & Horak 1975:368.
- DISTR.: N.

***Cortinarius interlectus*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 480, 1979

- REF.: Horak 1979:480.
- DISTR.: TF.

***Cortinarius ionipus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:353, 1975

- REF.: Moser & Horak 1975:353.
- DISTR.: N.

***Cortinarius janthinocaulis*** Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

■ *Thaxterogaster violeipes* M.M. Moser, in Horak & Moser, *Nova Hedwigia* **10**:230, 1965 (non *C. violeipes* M.M. Moser 1975)  
 REF.: Horak & Moser 1965:230.  
 DISTR.: N.

***Cortinarius janthinophaeus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:365, 1975  
 REF.: Moser & Horak 1975:365.  
 DISTR.: RN.

***Cortinarius lazulinus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:364, 1975  
 REF.: Moser & Horak 1975:364, Horak 1979:404.  
 DISTR.: N, RN, TF.

***Cortinarius leptocystis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:471, 1975  
 REF.: Moser & Horak 1975:471.  
 DISTR.: N.

***Cortinarius leucoloma*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:381, 1975  
 REF.: Moser & Horak 1975:381, Horak 1979:430 (LPS 38026).  
 DISTR.: N, TF.

***Cortinarius lignyotus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:348, 1975  
 REF.: Horak 1979:427 (LPS 38029).  
 DISTR.: TF.

***Cortinarius limbatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:436, 1975  
 REF.: Moser & Horak 1975:436.  
 DISTR.: RN.

***Cortinarius limonioides*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:463, 1975  
 REF.: Moser & Horak 1975:463.  
 DISTR.: RN, TF.

***Cortinarius lividus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:363, 1975  
 REF.: Moser & Horak 1975:363, Horak 1979:397.  
 DISTR.: N, TF.



***Cortinarius longicaudus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:141, 1975

REF.: Moser & Horak 1975:141.

DISTR.: N, RN.

***Cortinarius lubricus*** (M.M. Moser) Peintner & M.M. Moser, *Mycotaxon* **81**:180, 2002

= *Thaxterogaster lubricum* M.M. Moser, in Horak & Moser, *Nova Hedwigia* **10**:226, 1965

REF.: Horak & Moser 1965:226.

DISTR.: N.

***Cortinarius lugubris*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:357, 1975

REF.: Moser & Horak 1975:357.

DISTR.: N.

***Cortinarius luteoeruleus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:179, 1975

REF.: Moser & Horak 1975:179.

DISTR.: N.

***Cortinarius luteolus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:322, 1975

REF.: Moser & Horak 1975:322.

DISTR.: RN.

***Cortinarius luteomelleus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:66, 1975

REF.: Moser & Horak 1975:66.

DISTR.: N.

***Cortinarius luteostriatulus*** (M.M. Moser & E. Horak) E. Valenz. & G. Moreno, in Valenzuela, Moreno, Garnica & Grinbergs, *Boln Soc. Micol. Madrid* **19**:289, 1994

= *Dermocybe luteostriatula* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:501, 1975

REF.: Moser & Horak 1975:501.

DISTR.: RN.

***Cortinarius macilentus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:310, 1975

REF.: Moser & Horak 1975:310.

DISTR.: N, RN.

***Cortinarius magellanicus*** Speg., *Bol. Acad. nac. cienc.* **11**:15, 1887

= *Cortinarius aiacapitae* Speg., *Bol. Acad. nac. cienc.* **11**:155, 1887

= *Cortinarius capitellinus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:260, 1975

REF.: Spegazzini 1887b:155 (LPS 248, holotype), Moser & Horak 1975:258, 260, 261, Horak 1979:411 (LPS 37999), BAFC 31547, BAFC 33651.  
DISTR.: N, RN, TF.

*Cortinarius malvaceus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:241, 1975

REF.: Moser & Horak 1975:241, Horak 1979:474 (LPS 38067).  
DISTR.: TF.

*Cortinarius melizeus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:111, 1975

REF.: Moser & Horak 1975:111.  
DISTR.: N.

*Cortinarius melleomitis* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:222, 1975

REF.: Moser & Horak 1975:222.  
DISTR.: N.

*Cortinarius melleus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:68, 1975

= *Cortinarius unguularis* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:65, 1975  
REF.: Moser & Horak 1975:65, 68, Horak 1979:471 (LPS 38081).  
DISTR.: N, RN, TF.

*Cortinarius mendicus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:325, 1975

REF.: Moser & Horak 1975:325.  
DISTR.: N.

*Cortinarius micaceus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:214, 1975

REF.: Moser & Horak 1975:214.  
DISTR.: N, RN.

*Cortinarius mitis* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:220, 1975

REF.: Moser & Horak 1975:220.  
DISTR.: RN.

*Cortinarius mustella* (M.M. Moser) Peintner & M.M. Moser, *Mycotaxon* **81**:181, 2002

= *Thaxterogaster mustella* M.M. Moser, in Horak & Moser, *Nova Hedwigia* **10**:227, 1965  
REF.: Horak & Moser 1965:227.  
DISTR.: N.

*Cortinarius mustellinus* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:150, 1975

REF.: Moser & Horak 1975:150, Horak 1979:450 (LPS 38062).

DISTR.: N, RN, TF.

*Cortinarius myxacioides* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:271, 1975

REF.: Moser & Horak 1975:271.

DISTR.: N.

*Cortinarius myxoclaricolor* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:157, 1975

REF.: Moser & Horak 1975:157.

DISTR.: RN.

*Cortinarius myxothecae* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:254, 1975

REF.: Moser & Horak 1975:254.

DISTR.: N.

*Cortinarius napivolvata* E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 467, 1979

REF.: Horak 1979:467.

DISTR.: TF.

*Cortinarius naucinus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:386, 1975

REF.: Moser & Horak 1975:386.

DISTR.: N.

*Cortinarius nitellinus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:379, 1975

REF.: Moser & Horak 1975:379.

DISTR.: N.

*Cortinarius nitens* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:215, 1975

REF.: Moser & Horak 1975:215.

DISTR.: RN.

*Cortinarius nothoanomalus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:209, 1975

REF.: Moser & Horak 1975:209, Horak 1979:400 (LPS 38013).

DISTR.: N, RN, TF.

***Cortinarius nothocollinitus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:128, 1975

REF.: Moser & Horak 1975:128.

DISTR.: N.

***Cortinarius nothofagi*** (E. Horak) E. Horak *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 452, 1979

= *Thaxterogaster nothofagi* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 238, 1965

REF.: Horak & Moser 1965:238, Horak 1979:452.

DISTR.: TF.

***Cortinarius nothovenetus*** (M.M. Moser) Kuhnert & Peintner, *Mycotaxon* **87**:115, 2003

= *Dermocybe nothoveneta* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:491, 1975

REF.: Moser & Horak 1975:491.

DISTR.: N.

***Cortinarius obesus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:416, 1975

= *Cortinarius bovinoides* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:414, 1975

= *Cortinarius fatuus* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:417, 1975

REF.: Moser & Horak 1975:414, 416, 417, Horak 1979:420.

DISTR.: N, TF.

***Cortinarius obrusseus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:184, 1975

REF.: Moser & Horak 1975:184.

DISTR.: N.

***Cortinarius obscuroarmeniacus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:380, 1975

REF.: Moser & Horak 1975:380.

DISTR.: RN.

***Cortinarius obscuro-oliveus*** (M.M. Moser) Kuhnert & Peintner, *Mycotaxon* **87**:116, 2003

= *Dermocybe obscure-olivea* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:507, 1975

***Cortinarius obscuro-oliveus* var. *brunneus*** (M.M. Moser) Kuhnert & Peintner, *Mycotaxon* **87**:116, 2003

= *Dermocybe obscuro-olivea* var. *brunnea* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:509, 1975

REF.: Moser & Horak 1975:507, 509.

DISTR.: N, RN.

*Cortinarius obscurus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia*  
**52:360**, 1975

REF.: Moser & Horak 1975:360.  
 DISTR.: RN.

*Cortinarius obvius* E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires)  
**11(6): 393**, 1979

REF.: Horak 1979:393 (LPS 37993).  
 DISTR.: TF.

*Cortinarius occentus* E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires)  
**11(6): 423**, 1979

REF.: Horak 1979:423.  
 DISTR.: TF.

*Cortinarius ocellatus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia*  
**52:105**, 1975

REF.: Moser & Horak 1975:105, Horak 1979:472 (LPS 38085).  
 DISTR.: N, RN, TF.

*Cortinarius ochraceoazureus* (E. Horak) Peintner & M.M. Moser,  
*Mycotaxon* **81:181**, 2002

= *Thaxterogaster ochraceoazureum* E. Horak, in Horak & Moser, *Nova Hedwigia* **10: 237**, 196  
 = *Rozites ochraceoazureus* (E. Horak) E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires)  
**11(6): 348**, 1979

REF.: Horak & Moser 1965:237, Horak 1979:348 (LPS 38086), Wright 1988:145,  
 LPS 39996.  
 DISTR.: N, RN, TF.

*Cortinarius ochraceocinctus* M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52:123**, 1975

REF.: Moser & Horak 1975:123.  
 DISTR.: RN.

*Cortinarius ochraceocoeruleus* M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52:180**, 1975

REF.: Horak 1979:408 (LPS 37995).  
 DISTR.: TF.

*Cortinarius ochrojanthinus* E. Horak & M.M. Moser, in Moser & Horak,  
*Beih. Nova Hedwigia* **52:274**, 1975

REF.: Moser & Horak 1975:274.  
 DISTR.: N, RN, TF.

*Cortinarius olivellostriatus* M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52:444**, 1975

REF.: Moser & Horak 1975:444.  
DISTR.: RN.

***Cortinarius olivipes*** (M.M. Moser) Kuhnert & Peintner, *Mycotaxon* **87**:116,  
2003

= *Dermocybe olivipes* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:506, 1975  
REF.: Moser & Horak 1975:506.  
DISTR.: RN.

***Cortinarius olorinus*** (E. Horak) Peintner & M.M. Moser, *Mycotaxon*  
**81**:181, 2002

= *Thaxterogaster olorinum* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**:218, 1965  
REF.: Horak & Moser 1965:218.  
DISTR.: N.

***Cortinarius ombrophilus*** M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52**:283, 1975

REF.: Moser & Horak 1975:283.  
DISTR.: N.

***Cortinarius opulentus*** M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52**:256, 1975

REF.: Moser & Horak 1975:256.  
DISTR.: N.

***Cortinarius pachythelis*** M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52**:409, 1975

REF.: Moser & Horak 1975:409.  
DISTR.: N.

***Cortinarius pallidolamellatus*** E. Horak & M.M. Moser, in Moser & Horak,  
*Beih. Nova Hedwigia* **52**:74, 1975

***Cortinarius pallidolamellatus* var. *stenosporus*** M.M. Moser, in Moser &  
Horak, *Beih. Nova Hedwigia* **52**:75, 1975

REF.: Moser & Horak 1975:74.  
DISTR.: N, RN.

***Cortinarius paludicola*** M.M. Moser, in Moser & Horak, *Beih. Nova*  
*Hedwigia* **52**:327, 1975

REF.: Moser & Horak 1975:327, Horak 1979:393.  
DISTR.: N, TF.

***Cortinarius panchrous*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia*  
**52**:174, 1975

REF.: Horak 1979:405.  
DISTR.: TF.

***Cortinarius paraochraceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:224, 1975

REF.: Moser & Horak 1975:224.

DISTR.: RN.

***Cortinarius parazureus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:361, 1975

REF.: Spegazzini 1887b:24 (as "*C. alboviolaceus*"), Moser & Horak 1975:361, Horak 1979:402 (LPS 38002).

DISTR.: TF.

***Cortinarius pellucidus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:269, 1975

REF.: Moser & Horak 1975:269.

DISTR.: N.

***Cortinarius perizonium*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:137, 1975

REF.: Moser & Horak 1975:137.

DISTR.: RN.

***Cortinarius perochraceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:423, 1975

REF.: Moser & Horak 1975:423.

DISTR.: N, RN.

***Cortinarius perpallidus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:86, 1975

REF.: Moser & Horak 1975:86.

DISTR.: RN.

***Cortinarius phaeocephalus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:284, 1975

REF.: Moser & Horak 1975:284, Horak 1979:458.

DISTR.: TF.

***Cortinarius phellochrous*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:404, 1975

REF.: Moser & Horak 1975:404.

DISTR.: N.

***Cortinarius porphyreus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:253, 1975

REF.: Moser & Horak 1975:253.

DISTR.: N.

*Cortinarius psammopodioides* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:102, 1975

REF.: Horak 1979:446.

DISTR.: TF.

*Cortinarius pseudoclaricolor* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:132, 1975

REF.: Moser & Horak 1975:132.

DISTR.: N.

*Cortinarius pseudotriumphans* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:135, 1975

REF.: Moser & Horak 1975:135, Horak 1979:449, Gamundi & Horak 2002:99.

DISTR.: N, RN, TF.

*Cortinarius pugionipes* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:146, 1975

*Cortinarius pugionipes* var. *azonatus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:147, 1975

REF.: Moser & Horak 1975:146.

DISTR.: N.

*Cortinarius purpurellus* M.M. Moser, E. Horak, Peintner & Vilgalys, in Peintner, Horak, Moser & Vilgalys, *Mycotaxon* **83**:450, 2002

= *Rozites violacea* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:516, 1975

REF.: Moser & Horak 1975:516.

DISTR.: RN.

*Cortinarius purpureobrunneus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:395, 1975

REF.: Moser & Horak 1975:395.

DISTR.: RN.

*Cortinarius pyromyxa* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:228, 1975

REF.: Moser & Horak 1975:228.

DISTR.: RN.

*Cortinarius rhodophyllus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:161, 1975

REF.: Moser & Horak 1975:161.

DISTR.: N, RN.

*Cortinarius roseocalceolatus* E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:120, 1975



REF.: Moser & Horak 1975:120, Horak 1979:443.  
DISTR.: N, TF.

***Cortinarius roseopurpurascens*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:406, 1975

REF.: Moser & Horak 1975:406, Horak 1979:398.  
DISTR.: N, RN, TF.

***Cortinarius rubrobasalis*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:442, 1975

REF.: Moser & Horak 1975:442, Horak 1979:417, Gamundi & Horak 2002:97.  
DISTR.: N, RN, TF.

***Cortinarius rufobrunneus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:434, 1975

REF.: Moser & Horak 1975:434.  
DISTR.: N.

***Cortinarius rufus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:335, 1975

REF.: Moser & Horak 1975:335.  
DISTR.: N.

***Cortinarius russulariellus*** Speg., *Bol. Acad. nac. cienc.* **11**:157, 1887

REF.: Spegazzini 1887b:157.  
DISTR.: TF.

***Cortinarius saccharatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:118, 1975

***Cortinarius saccharatus* var. *bulbosus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:119, 1975

REF.: Moser & Horak 1975:118, Horak 1979:457.  
DISTR.: N, TF.

***Cortinarius sagatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:126, 1975

REF.: Moser & Horak 1975:126.  
DISTR.: RN.

***Cortinarius sarmienti*** Speg., *Bol. Acad. nac. cienc.* **11**:154, 1887

= *Rozites sarmienti* (Speg.) E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 350, 1979

REF.: Spegazzini 1887b:154 (LPS 38971, holotype), Horak 1979:350, Wright 1988:145.

DISTR.: TF.

***Cortinarius scabrosporus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:330, 1975

= *Cortinarius xanthopus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:320, 1975  
REF.: Moser & Horak 1975:320, 330, Horak 1979:483.  
DISTR.: N, TF.

***Cortinarius scintillatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:212, 1975

REF.: Moser & Horak 1975:212.  
DISTR.: N, RN.

***Cortinarius sciurodes*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:108, 1975

REF.: Moser & Horak 1975:108.  
DISTR.: RN.

***Cortinarius sclerosperma*** Peintner & M.M. Moser, *Mycotaxon* **81**:182, 2002

= *Thaxterogaster verrucisporus* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 226, 1965  
(non *C. verrucisporus* Thiers & A.H. Sm. 1969)  
= *Setchelliogaster fragilis* (Zeller et Dodge) E. Horak, *Nova Hedwigia* **10**: 19, 1979  
REF.: Horak & Moser 1965:226, Singer 1969:366, Horak 1979:19.  
DISTR.: N, TF.

***Cortinarius scolecinus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:304, 1975

REF.: Moser & Horak 1975:304.  
DISTR.: N, RN, TF.

***Cortinarius semiamictus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:272, 1975

REF.: Moser & Horak 1975:272.  
DISTR.: RN.

***Cortinarius semirubicundulus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:464, 1975

REF.: Moser & Horak 1975:464.  
DISTR.: RN.

***Cortinarius siccus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:435, 1975

REF.: Moser & Horak 1975:435.  
DISTR.: RN.

***Cortinarius simplex*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:79, 1975

REF.: Moser & Horak 1975:79, Horak 1979:456.

DISTR.: TF.

***Cortinarius singeri*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:393, 1975

REF.: Moser & Horak 1975:393.

DISTR.: RN.

***Cortinarius singerianus*** Peintner, in Kuhnert & Peintner, *Mycotaxon* **87**:118, 2003

= *Thaxterogaster bibulum* Singer, *Beih. Nova Hedwigia* **29**:361, 1969 (non *C. bibulus* Quél. 1881)

REF.: Singer 1969:361 (BAFC50103, holotype).

DISTR.: RN.

***Cortinarius sphaerocephalum*** (E. Horak & M.M. Moser) Peintner & M.M. Moser, *Mycotaxon* **81**:182, 2002

= *Thaxterogaster sphaerocephalum* E. Horak & M.M. Moser, *Nova Hedwigia* **10**:232, 1965

REF.: Horak & Moser 1965:232.

DISTR.: N, RN.

***Cortinarius spodoleucus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:85, 1975

REF.: Moser & Horak 1975:85.

DISTR.: N, RN.

***Cortinarius squamiger*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:346, 1975

REF.: Horak 1979:437.

DISTR.: TF.

***Cortinarius squamipes*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:134, 1975

REF.: Moser & Horak 1975:134.

DISTR.: RN.

***Cortinarius stephanopus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:164, 1975

REF.: Moser & Horak 1975:164, Horak 1979:356.

DISTR.: N, RN, TF.

***Cortinarius strictipes*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:473, 1975

REF.: Moser & Horak 1975:473.

DISTR.: RN.

***Cortinarius striolatus*** Speg., *Bol. Acad. nac. cienc.* **11**:159, 1887

REF.: Spegazzini 1887b:159 (LPS 1287, holotype).  
DISTR.: TF.

***Cortinarius subconicus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:290**, 1975

REF.: Moser & Horak 1975:290.  
DISTR.: N.

***Cortinarius succineus*** M.M. Moser, in Moser & Hora, *Beih. Nova Hedwigia* **52:226**, 1965

REF.: Moser & Horak 1975:226, Horak 1979:476.  
DISTR.: N, TF.

***Cortinarius sulphureomyceliatus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52:99**, 1975

REF.: Moser & Horak 1975:99, Horak 1979:448.  
DISTR.: N, TF.

***Cortinarius surreptus*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11(6): 428**, 1979

REF.: Horak 1979:428.  
DISTR.: TF.

***Cortinarius tarnensis*** Speg., *Bol. Acad. nac. cienc.* **11:158**, 1887

OBS.: According to Horak (1979), probably *C. crystallophorus* M.M. Moser & E. Horak.  
REF.: Spegazzini 1887b:158 (LPS 1289, holotype).  
DISTR.: TF.

***Cortinarius tenellus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:308**, 1975

REF.: Moser & Horak 1975:308.  
DISTR.: N.

***Cortinarius tenuis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:311**, 1975

REF.: Moser & Horak 1975:311.  
DISTR.: RN.

***Cortinarius tephrophyllus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:302**, 1975

REF.: Moser & Horak 1975:302.  
DISTR.: RN.

***Cortinarius teraturgus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52:459**, 1975

REF.: Moser & Horak 1975:459.  
DISTR.: N, RN.

***Cortinarius terebrinus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:143, 1975  
REF.: Moser & Horak 1975:143.  
DISTR.: RN.

***Cortinarius terebripes*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 426, 1979  
REF.: Horak 1979:426.  
DISTR.: TF.

***Cortinarius thyoneus*** E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 436, 1979  
REF.: Horak 1979:436.  
DISTR.: TF.

***Cortinarius togularis*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:277, 1975  
REF.: Moser & Horak 1975:277.  
DISTR.: TF.

***Cortinarius trachycystis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:469, 1975  
REF.: Moser & Horak 1975:469.  
DISTR.: RN.

***Cortinarius trechisporus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:138, 1975  
REF.: Moser & Horak 1975:138.  
DISTR.: N.

***Cortinarius tricholomoides*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:70, 1975  
REF.: Moser & Horak 1975:70, Horak 1979:443.  
DISTR.: N, TF.

***Cortinarius tristis*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:446, 1975  
REF.: Moser & Horak 1975:446.  
DISTR.: RN.

***Cortinarius truncatoides*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:122, 1975  
REF.: Moser & Horak 1975:122.

DISTR.: RN.

***Cortinarius tumidipes*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:109, 1975

REF.: Moser & Horak 1975:109.

DISTR.: N.

***Cortinarius tundrae*** Speg., *Bol. Acad. nac. cienc.* **11**:156, 1887

OBS.: According to Horak (1979), probably *C. fuligineoviolaceus* E. Horak.

REF.: Spegazzini 1887b:156.

DISTR.: TF.

***Cortinarius turpis*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:392, 1975

REF.: Moser & Horak 1975:392.

DISTR.: N, RN.

***Cortinarius tylostomatoides*** (Singer) Peintner & M.M. Moser, *Mycotaxon* **81**:182, 2002

■ *Thaxterogaster tylostomatoides* Singer, *Beih. Nova Hedwigia* **29**:365, 1969

REF.: Singer 1969:365.

DISTR.: N, RN.

***Cortinarius tympanicus*** (E. Horak) Peintner & M.M. Moser, *Mycotaxon* **81**:182, 2002

■ *Thaxterogaster tympanicum* E. Horak, in Horak & Moser, *Nova Hedwigia* **10**: 224, 1965

REF.: Horak & Moser 1965:224, Horak 1979:28.

DISTR.: TF.

***Cortinarius umbrinocarneus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:77, 1975

REF.: Moser & Horak 1975:77.

DISTR.: N.

***Cortinarius umbrinus*** P. Kumm., *Führ. Pilzk. (Zerbst)*: **88**, 1871

REF.: Moser & Horak 1975:350.

DISTR.: RN.

***Cortinarius vaginatus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:189, 1975

REF.: Moser & Horak 1975:189, Horak 1979:439.

DISTR.: N, TF.

***Cortinarius variegatulus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:211, 1975

REF.: Moser & Horak 1975:211.

DISTR.: RN.

***Cortinarius vinaceomaculatus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:324, 1975

REF.: Moser & Horak 1975:324.

DISTR.: N.

***Cortinarius violaceo-olivaceus*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:358, 1975

REF.: Moser & Horak 1975:358.

DISTR.: RN.

***Cortinarius violeipes*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:210, 1975

REF.: Moser & Horak 1975:210.

DISTR.: N.

***Cortinarius viridibasalis*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:321, 1975

REF.: Moser & Horak 1975:321.

DISTR.: RN.

***Cortinarius viridulifolius*** M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:182, 1975

REF.: Moser & Horak 1975:182.

DISTR.: N, RN.

***Cortinarius xanthocholus*** E. Horak & M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:218, 1975

REF.: Moser & Horak 1975:218, Horak 1979:477.

DISTR.: N, RN, TF.

***Cortinarius xerampelinus*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:410, 1975

REF.: Moser & Horak 1975:410, Horak 1979:392.

DISTR.: TF.

***Cortinarius xiphidipus*** M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:156, 1975

REF.: Moser & Horak 1975:156.

DISTR.: N, RN.

***Cortinarius xylochroma*** E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:61, 1975

REF.: Moser & Horak 1975:61, Horak 1979:470.

DISTR.: TF.

*Cortinarius xylocinnamomeus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:457, 1975

*Cortinarius xylocinnamomeus* var. *fusco-ornatus* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:459, 1975

REF.: Moser & Horak 1975:457, Horak 1979:486.

DISTR.: RN, TF.

*Dermocybe* (Fr.) Wünsche 1877

*Dermocybe alcalisensibilis* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:511, 1975

REF.: Moser & Horak 1975:511.

DISTR.: RN.

*Dermocybe austronanceiensis* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:489, 1975

REF.: Moser & Horak 1975:489.

DISTR.: N.

*Descolea* Singer 1952

*Descolea antarctica* Singer, *Lilloa* **23**:257, 1952

REF.: Horak 1979:240 (LPS 38037), Gamundí & Horak 2002:96, LPS 38019, LPS 38429.

DISTR.: TF.

*Stephanopus* M.M. Moser & E. Horak 1975

*Stephanopus azureus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:520, 1975

REF.: Moser & Horak 1975:520, LPS 40036.

DISTR.: RN.

*Stephanopus coerulea* (M.M. Moser) E. Horak, *Sydowia* **34**:106, 1981

= *Rozites coerulea* M.M. Moser, in Moser & Horak, *Beih. Nova Hedwigia* **52**:518, 1975

REF.: Moser & Horak 1975:518.

DISTR.: N, RN.

*Stephanopus stropharioides* E. Horak, in Moser & Horak, *Beih. Nova Hedwigia* **52**:522, 1975

REF.: Moser & Horak 1975:522, Horak 1979:356, Wright 1988:144, CIEFAP N°53.

DISTR.: N, RN, TF.

*Stephanopus trachyphyloeus* (M.M. Moser & E. Horak) E. Horak, *Fl. criptog. Tierra del Fuego* (Buenos Aires) **11**(6): 354, 1979

= *Cortinarius trachyphyloeus* M.M. Moser & E. Horak, *Beih. Nova Hedwigia* **52**:159, 1975



REF.: Moser & Horak 1975:159, Horak 1979:354, Wright 1988:144.

DISTR.: N, RN, TF.

### General remarks

Members of the *Cortinariaceae* family in the *Nothofagus* forests of Argentina are represented by 4 genera: *Cortinarius* (240 species), *Dermocybe* (2 species), *Descolea* (1 species) and *Stephanopus* (4 species).

Neuquén province has 136 cited species, Río Negro has 118, Tierra del Fuego has 113, Chubut only 1 and both Santa Cruz and Islas Malvinas none. Differences in cited distributions between species are not necessarily reflecting real distribution: most expeditions were historically conducted from summer to autumn, i.e. December to May (Gamundí & Amos 2007), and species not fruiting in those seasons or that fruit infrequently were either missed or likely to be underestimated. Thus, species of *Cortinariaceae* present in Neuquén, Río Negro and Tierra del Fuego are likely present also in Chubut and Santa Cruz, mainly because *Nothofagus* forests extend across all Patagonian territory from Neuquén to Tierra del Fuego.

According to the distribution information of taxa obtained from the literature, Moser & Horak (1975) cited 200 species, Horak (1979) cited 98 species, Horak & Moser (1965) cited 15 species, Spegazzini (1887b) cited 13 species, Singer (1969) cited 6 species and Gamundí & Horak (2002) cited 4 species. Although Spegazzini (1887a) described 4 new species (*C. magellanicus*, *C. tarnensis*, *C. darwinii* and *C. hookeri*) originally from Chile, they were eventually reported from Argentina (Moser & Horak 1975, Horak 1979 and Gamundí & Horak 2002). LPS herbarium has 57 species (79 exsiccatae), BAFC five species (eight exsiccatae), and CIEFAP herbarium has one species (only one exsiccata). Other exsiccatae are deposited in the IB and Z+ZT herbaria.

*Cortinariaceae* is certainly among the most valuable taxon in the *Agaricales*, not only for its species richness but also for its ecological importance as ectomycorrhizal fungi in native forests. Recent molecular research involving phylogenetic analysis of the rDNA internal transcribed spacers (ITS) and of the large subunit (LSU) confirms the inclusion of *Thaxterogaster* into *Cortinarius* (Peintner et al. 2002b). *Rozites*, as well as other genera not present in Argentina (*Cuphocybe* and *Rapacea*), were also included and synonymized with *Cortinarius* (Peintner et al. 2002a). This family was recently used as a test case to create and analyse Barcode Similarity Groups. Such creation would enable the identification of genetically similar groups, which would facilitate the sharing of biogeographic and ecological data (Harrower 2010).

This bibliographic research is the first update of *Cortinariaceae* species present in the Argentinean *Nothofagus* forests since 1979 (Horak 1979).

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