

Checklist of the Argentine Agaricales 5. Agaricaceae

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ABSTRACT— A checklist of species belonging to the family *Agaricaceae* (*Agaricomycetes*) in Argentina is provided. The list includes all species published up to 2011. Of the 13 genera and 171 species represented, *Agaricus* and *Lepiota* have the greatest number of species names recorded (85 and 37 respectively) followed by *Leucoagaricus* (13 species), *Leucocoprinus* (8) *Cystolepiota* (7), *Macrolepiota* (7), and *Cystoderma* (4). The remaining genera — *Cystoagaricus*, *Micropsalliota*, *Chlorophyllum*, *Cystodermella*, *Pheolepiota* — are represented with fewer than 3 species each.

KEY WORDS— biodiversity, fungal nomenclature, South America, taxonomy

Introduction

In previous papers, partial checklists of the Argentine *Agaricales* were presented, for the families *Amanitaceae*, *Pluteaceae*, and *Hygrophoraceae* (Niveiro & Albertó 2012a); *Coprinaceae* and *Strophariaceae* (Niveiro & Albertó 2012b); *Bolbitaceae* and *Crepidotaceae* (Niveiro & Albertó 2012c); and *Tricholomataceae* (Niveiro & Albertó 2012d). The purpose of this study is to establish a baseline of knowledge about the diversity of species described from the family *Agaricaceae* in Argentina as a base for future studies of mushroom biodiversity.

Materials & Methods

Nomenclature and classification systems

This checklist was based on all publications recorded for Argentina up to 2011. For genera and species, Kirk et al. (2008) and IndexFungorum (<http://www.indexfungorum.org>) are followed. Synonyms lists are simplified and only the basionym and the synonyms recorded for Argentina of each species are included. Index Fungorum was consulted for current names of species and synonyms.

For journal abbreviations, the Botánico Periodico Huntianum (http://fmhibd.library.cmu.edu/fmi/iwp/cgi?db=BPH_Online&loadframes) web site was used. For authors abbreviations, the International Plant Names Index (IPNI) (<http://www.ipni.org>) and Authors of Fungal Names (<http://www.indexfungorum.org/names/AuthorsOfFungalNames.asp>) were used. References cited for each species are ordered firstly by author in alphabetical order and secondly by year of publication.

Because type materials were not studied, currently non-valid or illegitimate genera (Kirk et al., 2008), whose species were partially transferred to a different genus (i.e. *Hiatula*, at present *Mycena*), are cited as they were originally published and the valid genus according to Kirk et al. (2008) is given between brackets followed by the symbol =.

Remarks are added only for those taxa that showed a nomenclatural conflict such as a species non validly published (NVP), the holotype is missing (MH), doubtful names or synonyms, unpublished transference of genus, or when the distribution of a species was not clear.

Distribution

Species distribution was cited according to the Province (State) where it was collected. For abbreviations and a map see Table 1 and Niveiro & Albertó (2012a), respectively. Occasionally, authors described a region or area to indicate the distribution; in this case we reproduced author's comments between quotations marks; for example "central Argentina". Although many species were recorded in the provinces of Patagonian Argentina (Neuquén, Rio Negro, Chubut, Santa Cruz, Tierra del Fuego), most were found in the Patagonian Andes forest which is located in a narrow strip in the west of the southern provinces.

Table 1—Abbreviations used for Provinces of Argentina. ND: No data; AP: Patagonian Andes forest

Province	Abbrev.	Province	Abbrev.
Buenos Aires	BA	Misiones	MNES
Catamarca	CAT	Mendoza	MZA
Córdoba	CBA	Neuquén	N
Chaco	CH	Rio Negro	RN
Chubut	CHU	Salta	S
Corrientes	CTES	Santa Cruz	SC
Entre Ríos	ER	Santiago del Estero	SE
Formosa	FSA	Santa Fe	SF
Islas Malvinas	IM	San Juan	SJ
Jujuy	J	San Luis	SL
La Pampa	LP	Tucumán	T
La Rioja	LR	Tierra del Fuego	TF

Despite that many species were recorded in the Argentinian provinces of Patagonia (Neuquén, Rio Negro, Chubut, Santa Cruz and Tierra del Fuego), most of them were collected in the Andes forests located in a narrow strip towards the west.

Books and journal citation

Books and journals were cited in the "literature cited" section by the year printed in the publication. This is the case, for example, of "Pródromo de la flora Agaricina" which was cited as Singer & Digilio (1951) but the book was really published in 1952. In this case, two years are provided for species citation: the real year of publication and between brackets the year printed in the book or publication

CHECKLIST OF *AGARICACEAE* FROM ARGENTINA**Agaricus** L.

Agaricus abruptibulbus Peck, *Bull. New York State Mus. Nat. Hist.* **94**: 36, 1905.

Dist: BA

Ref: Ramarodi (1985, 1992).

Agaricus alabamensis Murrill, *Mycologia* **14**: 202, 1922.

Dist: BA

Ref: Albertó (1999), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus angelicus Speg., *Anales Soc. Cit. Argent.* **10** (4): 278, 1880.

Dist: BA

Ref: Farr (1973), Spegazzini (1880a, 1899a).

Agaricus aff. **annae** Pilát, *Sborn. Nár. Mus. Praze, Řada B, Přír. Vědy* 7B(1): 132, 1951.

Dist: BA

Ref: Albertó (1996).

Agaricus argentinus Speg., *Anales Mus. Nac. Buenos Aires* **6**: 142, 1899 [1898].

Dist: BA

Ref: Albertó (1996), Farr (1973), Spegazzini (1899a, 1926b).

Agaricus argyropotamicus Speg., *Anales Mus. Nac. Buenos Aires* **6**: 146, 1899 [1898].

Dist: BA

Ref: Albertó (1996), Farr (1973), Spegazzini (1899a, 1926b).

Agaricus arvensis Schaeff., *Fung. Bavar. Palat.* **4**: 310, 1774.

= *Phaeomarasmium chilotrichi* Singer, 1951.

Dist: BA, N, RN, CHU, SC, TF, IM

Ref: Heinemann (1987), Horak (1980), Raithelhuber (1977, 1988b, 1991, 2004), Ramarodi (1985), Singer (1953b, 1954, 1969).

Agaricus augustus Fr., *Epicr. syst. mycol.* (Upsaliae): 212, 1838 [1836].

Dist: TF, PAT

Ref: Heinemann (1987).

Agaricus bambusae Beeli, *Bull. Soc. Roy. Bot. Belgique* **61** (1): 93, 1928.

Dist: T

Ref: Heinemann (1990).

Agaricus bisporus (J.E. Lange) Imbach, *Mitt. naturf. Ges. Luzern* **15**: 15, 1946.

≡ *Psalliota hortensis* f. *bispora*, 1926.

≡ *Agaricus bisporus* (J.E. Lange) Imbach var. *bisporus*

= *Agaricus bisporus* var. *albidus* (J.E. Lange) Singer, 1961.

= *Agaricus hortensis* (Cooke) S. Imai, 1938.

= *Agaricus hortensis* (Cooke) Pilát, 1951.

Dist: BA, N, RN, CHU, SC, TF

Ref: Albertó (1996), Heinemann (1986, 1987, 1990), Raithelhuber (1974, 1988b, 1991, 2004), Singer (1969), Wright & Albertó (2002).

Agaricus bitorquis (Quél.) Sacc., *Syll. fung.* **5**: 998, 1887.

≡ *Psalliota bitorquis* Quél., 1884 [1883].

Dist: TF

Ref: Albertó (1996), Heinemann (1987), Raithelhuber (1988b, 1991, 2004).

Agaricus bruchii Speg., *Bol. Acad. Ci. (Córdoba)* **28**: 237, 1926.

Dist: BA

Ref: Farr (1973), Spegazzini (1926b).

Agaricus brunneolus (J.E. Lange) Pilát, *Acta Mus. Nat. Pragae* **7**(1): 10, 1951.

≡ *Psalliota brunneola* J.E. Lange, 1940.

Dist: T, BA

Ref: Heinemann (1990).

Agaricus brunneostictus Heinem., *Bull. Jard. Bot. État. Bruxelles* **32**: 18, 1962.

Dist: TF

Ref: Heinemann (1986, 1987).

Agaricus campestris L., *Sp. Plantarum* **2**: 1173, 1753.

≡ *Psalliota campestris* (L.) Quél., 1872.

Dist: CBA, BA, RN, CHU, SC, TF

Ref: Albertó (1996), Heinemann (1987), Raithelhuber (1974, 1977, 1988b, 1991, 2004), Ramarodi (1985, 1992), Singer (1969), Spegazzini (1880b, 1887, 1899a, 1926a), Wright & Albertó (2002).

Agaricus chacoensis Heinem., *Bull. Jard. Bot. Natl. Belg.* **60**(3-4): 338, 1990.

Dist: T

Ref: Heinemann (1990).

Agaricus cheilotulus Heinem., *Bull. Jard. Bot. Natl. Belg.* **60** (3-4): 346, 1990.

Dist: T.

Ref: Heinemann (1990, 1993)

Agaricus chlamydopus Peck, *Bull. New York State Mus.* **94**: 36, 1905.

Dist: TF

Ref: Heinemann (1990)

Agaricus cinereus Speg., *Anales Mus. Nac. Buenos Aires* **6**: 145, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Agaricus comtulus Fr., *Epicr. syst. mycol.* (Upsaliae): 215, 1838.

Dist: BA, TF

Ref: Albertó et al. (1996), Albertó (1999), Heinemann (1987), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus cupreobrunneus (Jul. Schäff. & Steer) Pilát, *Sborn. Nár. Mus. Praze, Řada B, Přír. Vědy* **7**(1): 14, 1951.

≡ *Psalliota campestris* var. *cupreobrunnea* Jul. Schäff. & Steer, 1939.

Dist: TF

Ref: Heinemann (1987).

Agaricus devoniensis P.D. Orton, *Trans. Brit. Mycol. Soc.* **43**: 173, 1960.

Dist: BA

Ref: Raithelhuber (2004), Wright & Albertó (2002).

Agaricus dicystis Heinem., *Bull. Jard. Bot. État. Bruxelles* **32**: 18, 1962.

Dist: T

Ref: Heinemann (1990, 1993).

Agaricus diminutivus Peck, *Bull. Buffalo Soc. Nat. Sci.* **1**: 53, 1873.

Dist: J, T

Ref: Heinemann (1990).

Agaricus dulcidulus Schulzer, *Icon. Sel. Hymenomyc. Hung.*: 29, 1874.

= *Agaricus purpurellus* (F.H. Møller) F.H. Møller, 1952.

Dist: TF

Ref: Heinemann (1986, 1987, 1990, 1993), Horak (1980), Raithelhuber (1988b, 1991, 2004).

Agaricus endoxanthus Berk. & Broome, *J. Linn. Soc., Bot.* **11**(56): 548, 1871.

Dist: MNES

Ref: Wright et al. (2008), Wright & Wright (2005).

Agaricus farinosus Speg., *Anales Mus. Nac. Buenos Aires* **6**: 143, 1899 [1898].

Dist: BA

Ref: Albertó (1996), Farr (1973), Raithelhuber (2004), Spegazzini (1899a, 1926b).

Agaricus farinosus var. **gracillis** Speg., *Anales Mus. Nac. Buenos Aires* **6**: 143, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Agaricus farinosus var. **laevipes** Speg., *Anales Mus. Nac. Buenos Aires* **6**: 143, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Agaricus fiardii Pegler, *Kew Bull., Addit. Ser.* **9**: 447, 1983.

Dist: BA

Ref: Albertó (1999), Heinemann (1990).

Agaricus ficophilus Heinem., *Kew Bull.* **15**(2): 241, 1961.

Dist: BA

Ref: Heinemann (1990).

Agaricus fulveolus Lasch, *Syll. fung.* **15**: 20, 1900.

Dist: BA

Ref: Raitelhuber (1974, 1988b, 1991, 2004).

Agaricus fuscofibrillosus (F.H. Møller) Pilát, *Sborn. Nár. Mus. Praze, Řada B, Přír. Vědy* **7**(1): 7, 1951.

≡ *Psalliota fuscofibrillosa* F.H. Møller, 1950 [1949-50].

Dist: TF

Ref: Heinemann (1987).

Agaricus goossensiae Heinem., *Bull. Jard. Bot. État. Bruxelles* **26**: 42, 1956.

Dist: T

Ref: Heinemann (1990).

Agaricus heinemannii Albertó & G. Moreno, *Micol. Veg. Medit.* **15**(1): 72, 2000.

Dist: BA

Ref: Raitelhuber (2004), Wright & Albertó (2002)

Agaricus horakii Heinem., *Bull. Jard. Bot. Natl. Belg.* **44**: 359, 1974.

Dist: TF, BA

Ref: Raitelhuber (1988b).

Agaricus impudicus (Rea) Pilát, *Klic Kurc. Naš. Hub Hrib. Bedl. (Praha)*: 403, 1951.

≡ *Psalliota impudica* Rea, 1932.

= *Agaricus variegans* F.H. Møller, 1952.

Dist: N, TF

Ref: Heinemann (1986, 1987).

Agaricus langei (F.H. Møller) F.H. Møller, *Friesia* 4: 203, 1952.

≡ *Psalliota langei* F.H. Møller, 1950 [1949-50]

= *Agaricus mediofuscus* (F.H. Møller) Pilát, 1951.

Dist: N, RN, CHU, SC, TF

Ref: Heinemann (1986, 1987, 1990, 1993), Horak (1980), Raithelhuber (1977, 1988b, 1991, 2004), Singer (1969).

Agaricus lignophilus Raithelh., *Metrodiana* 5(3-4): 72, 1974.

Dist: N, RN, CHU, SC, TF

Ref: Heinemann (1986, 1987, 1990), Raithelhuber (1977, 1987c, 1988b, 1991, 2004).

Agaricus litoralis (Wakef. & A. Pearson) Pilát, *Klíč Kurc. Naš. Hub Hrib. Bedl.* (Praha): 403, 1952.

≡ *Psalliota litoralis* Wakef. & A. Pearson, 1946.

= *Agaricus spissicaulis* F.H. Møller, 1950.

= *Agaricus maskae* Pilát, 1954.

Dist: BA

Ref: Albertó (1996, 1999), Heinemann (1993), Raithelhuber (1974, 1988b, 1991, 2004).

Agaricus lividus Speg., *Anales Mus. Nac. Buenos Aires* 6: 144, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Agaricus lotenensis Speg., *Bol. Acad. Ci. (Córdoba)* 28: 328, 1926.

Dist: N, TF

Ref: Farr (1973), Heinemann (1990), Spegazzini (1926b).

Agaricus luteomaculatus (F.H. Møller) F.H. Møller, *Friesia* 4: 204, 1952.

≡ *Psalliota luteomaculata* F.H. Møller, 1952.

Dist: BA

Ref: Albertó et al. (1996), Albertó (1999).

Agaricus luteotactus Raithelh., *Metrodiana, Sonderh.* 4: 5, 1990.

= *Agaricus semotus* Fr. sensu Raithelhuber, 1988.

Dist: BA

Ref: Raithelhuber (1990, 1991, 2004).

Agaricus lutosus (F.H. Møller) F.H. Møller, *Friesia* 4: 204, 1952.

≡ *Psalliota lutosus* F.H. Møller, 1952.

Dist: T

Ref: Heinemann (1990).

Agaricus martineziensis Heinem., *Bull. Jard.Bot. Natl. Belg.* **60**(3-4): 339, 1990.

= *Agaricus volvatus* A.T. Martínez 1957, non *Agaricus volvatus* Peck 1872.

Dist: BA

Ref: Albertó (1996), Heinemann (1990), Martínez (1957), Raithelhuber (2004).

Agaricus moelleri Wasser, *Novosti. Sist. Nizsh. Rast.* **13**: 77, 1977 [1976].

= *Agaricus praeclaresquamosus* A.E. Freeman, 1979.

= *Agaricus meleagris* (Jul. Schaeff.) Pilát, 1951.

Dist: N, RN, TF, CHU, SC

Ref: Heinemann (1987, 1990).

Agaricus nivescens (F.H. Møller) F.H. Møller, *Friesia* **4**: 204, 1952.

≡ *Psalliota nivescens* F.H. Møller, 1952.

Dist: BA

Ref: Albertó (1999), Heinemann (1990), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus nothofagorum Heinem., *Bull. Jard.Bot. Natl. Belg.* **56**(3-4): 430, 1986.

Dist: N, RN, CHU, SC, TF

Ref: Heinemann (1986, 1987, 1990).

Agaricus oligocystis Heinem., *Bull. Jard.Bot. Natl. Belg.* **44**: 364, 1974.

Dist: T

Ref: Heinemann (1990).

Agaricus osecanus Pilát, *Sborn. Nár. Mus. Praze, Řada B, Přír. Vědy* **7**(1): 133, 1951.

Dist: BA

Ref: Albertó (1999), Heinemann (1990).

Agaricus pampeanus Speg., *Anales Soc. Ci. Argent.* **9**: 280, 1880.

Dist: S, T, MNES, FSA, CH, BA, CBA, MZA, N, RN, CHU, SC, TF

Ref: Albertó (1996), Farr (1973), Heinemann (1986, 1987, 1990), Raithelhuber (1974, 1988b, 1991, 2000a, 2004), Singer (1954), Spegazzini (1880a, 1899a, 1926b), Wright & Albertó (2002).

Agaricus parasilvaticus Heinem., *Bull. Jard. Bot. État. Bruxelles* **32**: 156, 1962.

Dist: MNES

Ref: Wright et al. (2008).

Agaricus phaeocyclus var. **pucatrihuensis** Heinem., *Bull. Jard.Bot. Natl. Belg.* **56**(3-4): 438, 1986.

Dist: N, RN, CHU, SC, TF

Ref: Heinemann (1986, 1987)

Agaricus phaeolepidotus (F.H. Møller) F.H. Møller, *Friesia* **4**: 204, 1952.

≡ *Psalliota phaeolepidota* F.H. Møller, 1952.

Dist: N, RN, CHU, SC, TF

Ref: Heinemann (1987, 1990)

Agaricus phaeolepidotus var. **minimus** Raithelhuber, *Hong. Argentin.* **1**: 145, 1974.

Dist: BA

Ref: Raithelhuber (1974, 1988b, 1991, 2004)

Agaricus pilatianus (Bohus) Bohus, *Ann. Hist.-Nat. Mus. Natl. Hung.* **66**: 78, 1974.

≡ *Agaricus xanthodermus* var. *pilatianus* Bohus (1971).

Dist: BA

Ref: Heinemann (1990).

Agaricus placomyces Peck, *Rep. (Annual) New York State Mus. Nat. Hist.* **29**: 40, 1878 [1877].

≡ *Psalliota placomyces* (Peck) Lloyd, 1899.

Dist: T, BA, N, TF

Ref: Heinemann (1986, 1987, 1990), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus platensis Sacc. & P. Syd., *Syll. fung.* **16**: 116, 1902, *nom. illegit.* [*non* Speg. 1880].

≡ *Agaricus lepiotooides* Speg. 1898, *nom. illegit.* [*non* Berk. & Broome 1871].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Agaricus platensis Speg., *Bol. Acad. Ci. (Córdoba)* **28**: 329, 1926, *nom. illegit.* [*non* Speg. 1880].

Dist: BA

Ref: Farr (1973), Spegazzini (1926b).

Agaricus porosporus Heinem., *Kew Bull.* **15**(2): 235, 1961.

Dist: S, BA

Ref: Albertó (1996), Heinemann (1990), Raithelhuber (2004).

Agaricus porphyizon P.D. Orton, *Trans. Brit. Mycol. Soc.* **43**(2): 174, 1960.

Dist: T, BA, N, RN, TF

Ref: Heinemann (1986, 1987, 1990), Raithelhuber (1991, 2004), Singer (1969).

Agaricus pseudoargentinus Albertó & J.E. Wright, *Mycotaxon* **50**: 272, 1994.

Dist: BA

Ref: Albertó (1996), Albertó & Wright (1994), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus pseudoaugustus Raithelhuber, *Metrodiana* **3**(1): 28, 1972.

Dist: TF

Ref: Heinemann (1986, 1987, 1990), Horak (1980), Raithelhuber (1972, 1977, 1988b, 1991, 2004).

Agaricus rhinocerotis Jungh., *Tijdschr. Natuurl. Gesch. Physiol.* **7**: 292, 1840.

Dist: TF

Ref: Raithelhuber (1974, 1988b, 1991).

Agaricus rosalamellatus Raithelh., *Metrodiana* **14**(1): 22, 1986 [1985].

Dist: TF, BA

Ref: Raithelhuber (1991, 2004).

Agaricus santacatalinensis Albertó, *Mycotaxon* **66**: 208, 1998.

Dist: BA

Ref: Albertó (1998), Raithelhuber (2004), Wright & Albertó (2002).

Agaricus semotus Fr., *Monogr. Hymenomyc. Suec.* (Upsaliae) **2**(2): 347, 1863.

Dist: BA

Ref: Albertó (1999), Heinemann (1986, 1987, 1990), Raithelhuber (1974, 1977, 1988b, 1991, 2004).

Agaricus singeri Heinem., *Bull. Jard. Bot. État. Bruxelles* **32**: 18, 1962.

Dist: BA, TF

Ref: Albertó (1999), Heinemann (1987, 1990, 1993).

Agaricus spgazzinianus Heinem., *Bull. Jard. Bot. Natl. Belg.* **60**(3-4): 364, 1990.

Dist: BA

Ref: Heinemann (1990).

Agaricus subfloccosus (J.E. Lange) Hlaváček, *C.C.H.* **28**(4-6): 67, 1951.

≡ *Psalliota hortensis* f. *subfloccosa* J.E. Lange, 1926.

Dist: BA

Ref: Raithelhuber (2004), Wright & Albertó (2002).

Agaricus subrufescens Peck, *Bull. New York State Mus. Nat. Hist.* **46**: 25, 1894 [1893].

= *Agaricus heterocystis* Heinem. & Gooss.-Font., 1956, sensu Singer (Heinemann, 1990).

Dist: BA

Ref: Albertó (1999), Heinemann (1990), Martínez (1949).

Agaricus subperonatus (J.E. Lange) Singer, *Lilloa* **22**: 432, 1949.

≡ *Psalliota hortensis* f. *subperonata* J.E. Lange, 1926.

Dist: BA

Ref: Raithelhuber (1974, 1988b, 1991, 2004), Singer (1949).

Agaricus subrufescens Peck, *Bull. New York State Mus. Nat. Hist.* **46**: 25, 1894 [1893].

Dist: T, BA

Ref: Heinemann (1990).

Agaricus sulcatellus Heinem., *Bull. Jard. Bot. Natl. Belg.* **60**(3-4): 365, 1990.

Dist: MNES

Ref: Heinemann (1990, 1993).

Agaricus sylvaticus Schaeff., *Fung. Bavar. Palat.* **4**: 62, 1774.

= *Agaricus haemorrhoidarius* Schulzer, 1874.

Dist: TF

Ref: Heinemann (1987, 1990, 1993).

Agaricus sylvicola (Vittad.) Peck, *Rep. (Annual) New York State Mus. Nat. Hist.* **23**: 97, 1872

[1869].

≡ *Agaricus campestris* var. *sylvicola* Vittad., 1832.

Dist: TF

Ref: Heinemann (1987, 1990, 1993).

Agaricus taculensis Raithelh., *Hong. Argentin.* **2**: 127, 1977.

Dist: RN, TF

Ref: Heinemann (1986, 1987, 1990), Raithelhuber (1977, 1988b, 1991, 2004).

Agaricus tucumanensis Heinem., *Bull. Jard. Bot. Natl. Belg.* **60**(3-4): 344, 1990.

Dist: T

Ref: Heinemann (1990).

Agaricus unguentolens Heinem., *Bull. Jard. Bot. Natl. Belg.* **60**(3-4): 360, 1990.

Dist: T

Ref: Heinemann (1990).

Agaricus valdiviae Singer, *Mycopathol. Mycol. Appl.* **26**: 161, 1965.

Dist: BA, TF

Ref: Albertó (1996), Heinemann (1987, 1990), Raithelhuber (2004), Singer (1969).

Agaricus valdiviae var. **saturatus** Heinem., *Bull. Jard. Bot. Natl. Belg.* **56**(3-4): 424, 1986.

Dist: TF

Ref: Heinemann (1986, 1987).

Agaricus xanthodermus Genev., *Bull. Soc. Bot. France.* **23**: 28, 1876.

= *Agaricus jodoformicus* Speg., 1899 [1898].

= *Agaricus xanthodermus* var. *griseus* (A. Pearson) Bon & Cappelli, 1983.

Dist: T, BA, N, RN, CHU, SC, TF

Ref: Farr (1973), Heinemann (1986, 1987, 1990), Raithelhuber (1974, 1988b, 1991, 2004),
Ramarodi (1985, 1992), Singer (1969), Spegazzini (1899a, 1919), Wright & Albertó (2002).

Agaricus xanthodermus var. **croceus** Raithelhuber, *Hong. Argentin.* **1**: 145, 1974.

Dist: BA

Ref: Raithelhuber (1974, 1988b, 1991, 2004).

Agaricus xantholepis (F.H. Møller) F.H. Møller, *Friesia* **4**: 204, 1952.

≡ *Psalliota xantholepis* F.H. Møller, 1952.

Dist: TF

Ref: Heinemann (1986, 1987, 1990), Singer (1969).

Chlorophyllum Masee

Chlorophyllum molybdites (G. Mey.) Maseem, *Bull. Misc. Inform. Kew*: 136, 1898.

≡ *Agaricus molybdites* G. Mey., 1818.

= *Annularia camporum* Speg., 1899 [1898].

= *Lepiota camporum* (Speg.) Speg., 1926.

Dist: T, BA, CBA

Ref: Farr (1973), Raithelhuber (1974, 1988b, 1991, 2004), Singer (1950a, 1969), Singer & Digilio (1952), Spegazzini (1899a, 1926a, 1926b), Wright & Albertó (2002).

Chlorophyllum rachodes (Vittad.) Vellinga, *Mycotaxon* **83**: 416, 2002.

≡ *Agaricus rachodes* Vittad., 1835.

≡ *Lepiota rachodes* (Vittad.) Quél., 1872.

≡ *Macrolepiota rachodes* (Vittad.) Singer, 1951 [1949].

Dist: T, BA

Ref: Raithelhuber (1988a, 1991, 2004), Singer (1969), Wright & Albertó (2002).

Cystoagaricus Singer

Cystoagaricus jujuyensis Singer, *Beih. Sydowia* **7**: 65, 1973.

Dist: J

Ref: Raithelhuber (1987a, 1991, 2004), Singer (1973).

Cystoagaricus strobilomyces (Murrill) Singer, *Mycologia* **39**(1): 86, 1947.

≡ *Nolanea strobilomyces* Murrill, 1945 [1944].

Dist: T

Ref: Heinemann (1993), Raithelhuber (1991, 2004), Singer (1959).

Cystoderma Fayod

Cystoderma amianthinum (Scop.:Fr.) Fayod, *Ann. Sci. Nat., Bot.*, sér. 7 **9**: 351, 1889.
 ≡ *Agaricus amianthinus* Scop., 1772.

Dist: BA, N, RN, TF

Ref: Horak (1980), Raithelhuber (1977, 1987a, 1991, 2004), Singer (1954, 1969), Singer & Digilio (1952).

Cystoderma aureolum (Raithelh.) Raithelh., *Fl. Mycol. Argentina, Hongos I* (Stuttgart): 290, 1987.

≡ *Cystolepiota aureola* Raithelh., 1985.

Dist: BA

Ref: Raithelhuber (1985, 1987a, 1991, 2004).

Cystoderma fulvolateritium (Raithelh.) Raithelh., *Metrodiana, Sonderh.* **2**: 13, 1983.

≡ *Lepiota fulvolateritia* Raithelh., 1974.

Dist: BA

Ref: Raithelhuber (1974, 1983, 1987a, 1991, 2004).

Cystoderma subornatum (Raithelh.) Raithelh., *Fl. Mycol. Argentina, Hongos I* (Stuttgart): 290, 1987.

≡ *Lepiota subornata* Raithelh., 1985.

= *Lepiota denticulata* Raithelh. 1974, non *Lepiota denticulata* Speg. 1898.

Dist: BA

Ref: Raithelhuber (1974, 1985, 1987a, 1990, 1991, 2004).

Cystodermella Harmaja

Cystodermella granulosa (Batsch) Harmaja, *Karstenia* **42**(2): 46, 2002.

≡ *Agaricus granulosis* Batsch, 1783.

≡ *Cystoderma granulorum* (Batsch) Fayod, 1889.

Dist: BA, TF

Ref: Horak (1980), Raithelhuber (1987a, 1991).

Cystolepiota Singer

Cystolepiota adulterina (F.H. Møller) Bon, *Doc. Mycol.* **6**(24): 43, 1976.

≡ *Lepiota adulterina* F.H. Møller, 1959 [1957-58]

Dist: MNES

Ref: Niveiro et al. (2010).

Cystolepiota australis Singer, *Beih. Nova Hedwigia* **29**: 174, 1969.

Dist: N, RN

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Cystolepiota brunneotagens Singer, *Lilloa* **25**: 283, 1952 [1951].

Dist: T

Ref: Raithelhuber (1987a, 1991, 2004), Singer & Digilio (1952).

Cystolepiota constricta Singer, *Lilloa* **25**: 283, 1952 [1951].

Dist: T

Ref: Raithelhuber (1987a, 1991, 2004), Singer & Digilio (1952).

Cystolepiota marthae Singer, *Beih. Nova Hedwigia* **29**: 168, 1969.

Dist: N, RN, CHU

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Cystolepiota rosea Singer, *Beih. Nova Hedwigia* **29**: 168, 1969.

Dist: BA, N, RN

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Cystolepiota rubra Singer, *Lilloa* **25**: 282, 1952 [1951].

Dist: T

Ref: Raithelhuber (1987a, 1991, 2004), Singer & Digilio (1952).

Lepiota (Pers.) Gray

Lepiota aspera (Pers.) Quél., *Enchir. fung.* (Paris): 5, 1886.

≡ *Agaricus asper* Pers., 1793.

= *Lepiota acutesquamosa* (Weinm.) P. Kumm., 1871.

Dist: N, RN, TF

Ref: Gamundí & Horak (2002), Horak (1980), Raithelhuber (1977, 1987a, 1990, 1991, 2004), Singer (1969).

Lepiota azurea Singer, *Lilloa* **25**: 278, 1952 [1951].

Dist: S

Ref: Raithelhuber (1987a, 1991, 2004), Singer & Digilio (1952).

Lepiota cepistipes var. **pluvialis** (Speg.) Rick, *Iheringia, Bot.* **8**: 313, 1961.

≡ *Lepiota pluvialis* Speg., 1899 [1898].

Dist: CH

Ref: Farr (1973), Spegazzini (1899a).

Obs: *Lepiota cepistipes* was transferred to the genus *Leucocoprinus* (Patouillard 1889). However it has been cited as originally published since the combination of the variety has not been made.

Lepiota clypeolaria (Bull.) P. Kumm., *Führ. Pilzk.* (Zwickau): 137, 1871.
 ≡ *Agaricus clypeolarius* Bull., 1789.

Dist: BA

Ref: Ramarodi (1985, 1992).

Lepiota cristata (Bolton) P. Kumm., *Führ. Pilzk.* (Zwickau): 137, 1871.
 ≡ *Agaricus cristatus* Bolton, 1788.

Dist: BA, N, RN

Ref: Ramarodi (1985, 1992), Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969), Wright & Albertó (2002).

Lepiota cristata var. **vicarii** (Raithelh.) Raithelh., *Nueva Flora Micológica Argentina* (Stuttgart): 177, 2004.

≡ *Lepiota vicarii* Raithelh., 1987.

Dist: BA

Ref: Raithelhuber (1987a, 1991, 2004).

Lepiota echinella var. **asperula** (G.F. Atk.) J.E. Lange, *Fl. Agaric. Danic.* 1: 27, 1935.

≡ *Lepiota asperula* G.F. Atk., 1900.

Dist: BA

Ref: Martínez (1949).

Lepiota erythrella subsp. **fibrillosa** Speg., *Anales Mus. Nac. Buenos Aires* 6: 93, 1899 [1898].

Dist: T, BA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Obs: *Lepiota erythrella* was transferred to the genus *Leucoagaricus* (Singer 1969). However it has been cited as originally published since the combination of the subspecies has not been made.

Lepiota erythrella subsp. **levigatula** Speg., *Anales Mus. Nac. Buenos Aires* 6: 93, 1899 [1898].

Dist: T, BA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Obs: *Lepiota erythrella* was transferred to the genus *Leucoagaricus* (Singer 1969). However it has been cited as originally published since the combination of the subspecies has not been made.

Lepiota erythrella subsp. **squamulosa** Speg., *Anales Mus. Nac. Buenos Aires* 6: 93, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Obs: *Lepiota erythrella* was transferred to the genus *Leucoagaricus* (Singer 1969). However it has been cited as originally published since the combination of the subspecies has not been made.

Lepiota excoriata f. **bonaerensis** (Speg.) Rick, *Lilloa* 1: 318, 1937.

≡ *Agaricus bonaerensis* Speg., 1899.

Dist: BA.

Ref: Farr (1973), Spegazzini (1880a)

Lepiota fuscoroseola Speg., *Anales Mus. Nac. Buenos Aires* **6**: 95, 1899 [1898].

Dist: CBA, BA

Ref: Farr (1973), Raithelhuber (1974, 1987a, 1991, 2004), Spegazzini (1899a, 1926a).

Lepiota gigantea Speg., *Anales Mus. Nac. Buenos Aires* **19**(12): 260, 1909.

Dist: MNES

Ref: Farr (1973), Spegazzini (1909).

Lepiota goliath (Speg.) Speg., *Anales Mus. Nac. Buenos Aires* **19**(12): 85, 1909.

≡ *Agaricus (Annularia) goliath* Speg., 1881, as “goliath”.

Dist: CBA, BA

Ref: Farr (1973), Spegazzini (1881, 1899a, 1926a, 1926b).

Lepiota grangei (Eyre) J.E. Lange, *Fl. Agaric. Danic.* **1**: 30, 1935.

≡ *Schulzeria grangei* Eyre, 1903 [1902].

Dist: TF

Ref: Horak (1980), Raithelhuber (1987a, 1991, 2004).

Lepiota helveola Bres., *Fung. Trident.* **1**(1): 15, 1882 [1881].

Dist: MNES, BA

Ref: Ramarodi (1985), Wright et al (2008), Wright & Wright (2005).

Lepiota holmbergi Speg., *Anales Mus. Nac. Buenos Aires* **6**: 97, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Lepiota islagarciae Raithelh., *Metrodiana, Sonderh.* **5**: 53, 2000.

Dist: BA

Ref: Raithelhuber (2000b, 2004).

Lepiota jujuyensis Speg., *Anales Mus. Nac. Buenos Aires* **19**(12): 261, 1909.

Dist: J

Ref: Farr (1973), Spegazzini (1909).

Lepiota lycoperdinea Rick, *Egatea* **11**: 17, 1926.

Dist: CH

Ref: Spegazzini (1899a).

Lepiota microscopica Speg., *Anales Mus. Nac. Buenos Aires* **6**: 96, 1899 [1898].

Dist: T, BA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Lepiota neuquenensis Singer, *Beih. Nova Hedwigia* **29**: 171, 1969.

Dist: N, RN

Ref: Raithelhuber (1987a, 1991, 2004), Singer (1969).

Lepiota ochroleuca Speg., *Anales Soc. Ci. Argent.* **47**(6): 262, 1899.

Dist: BA

Ref: Farr (1973), Spegazzini (1899b).

Lepiota patagonica Singer, *Beih. Nova Hedwigia* **29**: 172, 1969.

Dist: RN

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Lepiota pratensis Speg., *Anales Mus. Nac. Buenos Aires* **6**: 92, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Lepiota pusilla Speg., *Anales Mus. Nac. Buenos Aires* **6**: 96, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a).

Lepiota pygmaea Speg., *Anales Mus. Nac. Buenos Aires* **6**: 84, 1899 [1898].

Dist: BA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Lepiota spgazzinii Sacc. & Trotter, *Syll. fung.* **21**: 11, 1912.

= *Lepiota cinerascens* Speg., 1899 [1898], non *Lepiota cinerascens* Quél. 1893.

Dist: CH, CBA

Ref: Farr (1973), Spegazzini (1899a, 1926b).

Lepiota stelligera Speg., *Bol. Acad. Ci. (Córdoba)* **28**: 274, 1926.

Dist: SGO

Ref: Farr (1973), Spegazzini (1926b).

Lepiota subcortinaria Singer, *Beih. Nova Hedwigia* **29**: 171, 1969.

Dist: BA, RN

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Lepiota subgracilis Kühner, *Bull. Soc. Mycol. France* **52**: 231, 1936.

Dist: N, TF

Ref: Horak (1980), Raithelhuber (1987a, 1991, 2004), Singer (1969).

Lepiota subincarnata J.E. Lange, *Fl. Agaric. Danic.* **5**(Appx.): 5, 1940.
= *Lepiota josserandii* Bon & Boiffard, 1974.

Dist: BA

Ref: Raithelhuber (2004), Wright & Albertó (2002).

Lepiota submarasmioides (Speg.) Sacc., *Syll. fung.* **5**: 68, 1887.
≡ *Agaricus submarasmioides* Speg., 1899 [1898].

Dist: T, BA

Ref: Farr (1973), Spegazzini (1881, 1899a, 1926b).

Lepiota sulfureofloccosa Speg., *Anales Mus. Nac. Buenos Aires* **19**(12): 261, 1909.

Dist: MNES

Ref: Farr (1973), Spegazzini (1909).

Lepiota toba Speg., *Anales Mus. Nac. Buenos Aires* **6**: 85, 1899 [1898].

Dist: CH

Ref: Farr (1973), Spegazzini (1899a).

Lepiota universitaria Speg., *Anales Soc. Ci. Argent.* **12**: 13, 1881.

Dist: BA

Ref: Farr (1973), Spegazzini (1881, 1926b).

Lepiota virescens (Speg.) Morgan, *J. Mycol.* **12**(6): 245, 1906.

≡ *Lepiota erythrella* subsp. *virescens* Speg., 1899 [1898].

Dist: T

Ref: Farr (1973), Spegazzini (1899a).

Leucoagaricus Locq. ex Singer

Leucoagaricus acaciarum Singer, *Beih. Sydowia* **7**: 67, 1973.

Dist: CTES

Ref: Raithelhuber (1987a, 1991, 2004), Singer (1973).

Leucoagaricus atrofibrillosus Singer, *Beih. Nova Hedwigia* **29**: 162, 1969.

Dist: N, RN, TF

Ref: Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969).

Leucoagaricus denticulatus (Speg.) E. Horak, *Darwiniana* **14**(2-3):371, 1967.

≡ *Lepiota denticulata* Speg., 1899 [1898].

Dist: BA

Ref: Farr (1973), Horak (1967), Raithelhuber (1987a, 1991, 2004), Spegazzini (1899a, 1926b).

- Leucoagaricus erythrellus** (Speg.) Singer, *Beih. Nova Hedwigia* **29**: 162, 1969.
 ≡ *Lepiota erythrella* Speg., 1899 [1898].
 Dist: N, RN, T, CBA
 Ref: Farr (1973), Raithelhuber (1977, 1987a, 1991, 2004), Singer (1969), Spegazzini (1899a, 1919, 1926a, 1926b).
- Leucoagaricus exannulatus** Singer, *Beih. Sydowia* **7**: 68, 1973.
 Dist: T
 Ref: Raithelhuber (1987a, 1991, 2004), Singer (1973).
- Leucoagaricus globisporus** (Raithelh.) Raithelh., *Nueva Flora Micológica Argentina* (Stuttgart): 190, 2004.
 ≡ *Leucoagaricus exannulatus* var *globispora* Raithelh., 2000.
 Dist: BA
 Ref: Raithelhuber (2004).
- Leucoagaricus leucothites** (Vittad.) Wasser, *Ukrayins'k Bot. Zhurn.* **34**(3): 308, 1977.
 ≡ *Agaricus leucothites* Vittad., 1835.
 = *Leucoagaricus naucinus* (Fr.) Singer, 1951 [1949].
 Dist: BA
 Ref: Raithelhuber (1987a, 1991, 2004), Singer (1969), Wright & Albertó (2002).
- Leucoagaricus lilaceus** Singer, *Lilloa* **25**: 274, 1952 [1951].
 Dist: T
 Ref: Raithelhuber (1987a, 1991, 2004), Singer & Digilio (1952).
- Leucoagaricus morenoi** Raithelh., *Fl. Mycol. Argentina, Hongos I* (Stuttgart): 299, 1987.
 Dist: BA
 Ref: Raithelhuber (1987a, 1991, 2004).
- Leucoagaricus platensis** (Speg.) Raithelh., *Fl. Mycol. Argentina, Hongos I* (Stuttgart): 298, 1987.
 ≡ *Lepiota platensis* Speg., 1899 [1898].
 Dist: ER, BA, CBA
 Ref: Farr (1973), Raithelhuber (1987a, 1991, 2004), Spegazzini (1899a, 1926a).
- Leucoagaricus rickianus** (Speg.) Singer, *Beih. Sydowia* **7**: 68, 1973.
 ≡ *Lepiota rickiana* Speg., 1919.
 = *Lepiota erythrella* subsp. *rimulosa* Speg., 1899 [1898].
 Dist: T, MNES
 Ref: Farr (1973), Singer (1973), Spegazzini (1899a, 1926b).
- Leucoagaricus rubrosquamosus** (Rick) Singer, *Lilloa* **22**: 422, 1951 [1949].
 ≡ *Lepiota rubrosquamosa* Rick, 1920.
 Dist: MNES
 Ref: Lechner et al. (2006), Wright et al (2008), Wright & Wright (2005).

Leucoagaricus sublittoralis (Kühner ex Hora) Singer, *Nova Hedwigia* **29**: 163, 1969.
 ≡ *Lepiota sublittoralis* Kühner ex Hora, 1960.

Dist: CTES

Ref: Raithelhuber (1987a, 1991, 2004), Singer (1969).

Leucocoprinus Pat.

Leucocoprinus acer Raithelh., *Metrodiana* **16**(1-3): 9, 1988.

Dist: BA

Ref: Raithelhuber (1988b, 1991, 2004).

Leucocoprinus birnbaumii (Corda) Singer, *Sydowia* **15**: 67, 1962 [1961].

≡ *Agaricus birnbaumii* Corda, 1839.

= *Lepiota flos-sulphuris* (Schnizl.) Matt., 1925.

= *Leucocoprinus flos-sulphuris* (Schnizl.) Cejp, 1948.

= *Leucocoprinus luteus* (Bolton) Locq., 1945.

Dist: T, SF, BA

Ref: Raithelhuber (1987a, 1987b, 1991, 2004), Singer & Digilio (1952), Spegazzini (1899a), Wright & Albertó (2002).

Leucocoprinus cepistipes (Sowerby) Pat., *J. Bot. (Paris)* **3**: 336, 1889.

≡ *Agaricus cepistipes* Sowerby, 1797 [1795-97].

≡ *Lepiota cepistipes* (Sowerby) P. Kumm., 1871.

Dist: T, SGO, BA

Ref: Raithelhuber (1987a, 1987b, 1991, 2004), Singer & Digilio (1952), Spegazzini (1899a, 1926b), Wright & Albertó (2002).

Leucocoprinus cepistipes var. **hiatuloides** (Speg.) Rick, *Iheringia, Bot.* **8**: 312, 1961.

≡ *Lepiota hiatuloides* Speg., 1899 [1898].

Dist: BA

Ref: Farr (1973), Raithelhuber (1987b, 1991, 2004), Spegazzini (1899a).

Leucocoprinus straminellus (Bagl.) Narducci & Caroti, *Atti Soc. Tosc. Sci. Nat. Pisa, Mem.* **102**:49, 1995.

≡ *Agaricus straminellus* Bagl., 1865.

= *Leucocoprinus denudatus* (Rabenh.) Singer, 1951.

= *Lepiota citrinella* Speg., 1899 [1898].

= *Leucocoprinus citrinellus* (Speg.) Raithelh., 1987.

Dist: S, BA

Ref: Farr (1973), Raithelhuber (1987a, 1987b, 1991, 2004), Spegazzini (1899a).

Leucocoprinus fibrillosus Raithelh., *Metrodiana* **16**(1-3): 22, 1988.

Dist: BA

Ref: Raithelhuber (1988b, 2004).

Leucocoprinus magnusianus (Henn.) Singer, *Lilloa* **22**: 424, 1951 [1949].
 ≡ *Lepiota magnusiana* Henn., 1892.

Dist: BA

Ref: Raithelhuber (1974).

Leucocoprinus noctiphilus (Ellis) Heinem., *Bull. Jard. Bot. Nat. Belg.* **47**(1-2): 84, 1977.
 ≡ *Agaricus noctiphilus* Ellis, 1874.

Dist: "America".

Ref: Raithelhuber (1991).

Obs: Raithelhuber (1991) has cited this species from America, but does not indicate if it is present in Argentina.

Macrolepiota Singer

Macrolepiota bonaerensis (Speg.) Singer, *Lilloa* **22**: 417, 1951 [1949].
 ≡ *Lepiota bonaerensis* Speg., 1919.

Dist: S, T, SGO, CH, CTES, ER, SF, CBA, BA

Ref: Farr (1973), Horak (1967), Raithelhuber (1974, 1987a, 1988a, 1991, 2004), Singer (1969),
 Singer & Digilio (1952), Spegazzini (1887, 1899a, 1919, 1926b), Wright & Albertó (2002).

Macrolepiota brunnescens Vellinga, *Mycotaxon* **85**: 184, 2003.
 = *Volvolepiota albida* Singer, 1959.

Dist: T

Ref: Singer (1959).

Macrolepiota formica Raithelh., *Metrodiana* **15**(3): 61, 1988 [1987].

Dist: S

Ref: Raithelhuber (1987a, 1988a, 1991, 2004).

Macrolepiota gracilentia (Krombh.) Wasser, *Ukrayins'k Bot. Zhurn.* **35**(5): 516, 1978.
 ≡ *Agaricus gracilentus* Krombh., 1836.

Dist: MNES, BA

Ref: Ramarodi (1995), Wright & Wright (2005).

Macrolepiota gracilentia var. **goossensiae** (Beeli) Heinem., *Bull. Jard. Bot. Nat. Belg.* **39**:211,
 1969.

≡ *Lepiota goossensiae* Beeli, 1927.

Dist: MNES

Ref: Lechner et al. (2006), Wright et al. (2008).

Macrolepiota kerandi (Speg.) Singer, *Lilloa* **22**: 417, 1951 [1949].
 ≡ *Lepiota kerandi* Speg. 1899 [1898].

Dist: BA

Ref: Farr (1973), Raithelhuber (1974, 1987a, 1988a, 1991, 2004), Singer & Digilio (1952),
 Spegazzini (1899a), Wright & Albertó (2002).

Macrolepiota procera (Scop.) Singer, *Pap. Michigan Acad. Sci.* **32**: 141, 1948 [1946].
≡ *Agaricus procerus* Scop., 1772.

Dist: BA

Ref: Ramarodi (1985).

Melanophyllum Velen.

Melanophyllum haematospermum (Bull.) Kreisel, *Feddes Repert. Spec. Nov. Regni Veg.* **95**(9-10): 700, 1984.

≡ *Agaricus haematospermus* Bull., 1793.

= *Melanophyllum echinatum* (Roth) Singer, 1951 [1949].

Dist: N

Ref: Heinemann (1990, 1993), Raithelhuber (1991, 2004), Singer (1953a, 1969).

Micropsalliota Höhn.

Micropsalliota brunneosperma (Singer) Pegler, *Kew Bull.* **23**: 369, 1969.

≡ *Lepiota brunneosperma* Singer, 1952 [1951].

Dist: T

Ref: Heinemann (1993).

Micropsalliota cardinalis Heinem., *Bull. Jard. Bot. Nat. Belg.* **59**(3-4): 459, 1989.

Dist: MNES

Ref: Heinemann (1993).

Phaeolepiota Maire ex Konrad & Maubl.

Phaeolepiota aurea (Matt.) Maire, *Icon. Select. Fung.* **6**: 111, 1928.

≡ *Agaricus aureus* Matt., 1777.

≡ *Pholiota aurea* (Matt.) Sacc., 1887.

= *Pholiota spectabilis* (Fr.) P. Kumm., 1871.

Dist: BA

Ref: Spegazzini (1926b).

GENERAL REMARKS

When data were analyzed we concluded that 171 species belonging to the family *Agaricaceae* have been recorded. They are distributed in 13 genera, the most important being *Agaricus* (86 species), *Lepiota* (37), *Leucoagaricus* (13), *Leucocoprinus* (8), *Cystolepiota* (7) and *Macrolepiota* (7). The remaining genera had only a few species recorded (1–4).

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