

GUIDE TO AMANITAS OF NORTH CAROLINA

According to Jenkins, the genus amanita is divided into 6 sections as follows:

- Lepidella--largest of the sections; have large basal bulb, many odd odors, & color changes
- Phalloidae--next largest; saccate volva & contains deadly species which destroy the liver
- Validae--generally has non-striate cap like the first 2 sections, colorful caps, & some bruise red
- Amidella--smallest section; non-striate & saccate volva; no annulus in NC species
- Vaginatae--saccate volva (with exception) and striate cap; some edible but not recommended
- Amanita--no saccate volva but generally has striate cap, some are hallucinogenic

Recent work with DNA indicates that two of Singer's sections should be recognized.

Caesarea—split off from Vaginatae, saccate volva & contains various forms of Caesar's amanita
 Mappae—split off from Phalloidae, contains NC species *A. citrina* & *A. brunnescens*

No amanitas are recommended for human consumption but forms of Caesar's amanita have been used as edibles in the past.

TO USE THIS GUIDE, CHECK FOR A BAGGY STRUCTURE AT THE BASE OF THE AMANITA. IF PRESENT, USE THE TABLE ON THIS PAGE. IF NOT, CHECK FOR A LARGE OR ROOTING BULB. IF PRESENT, USE THE TABLE ON THE NEXT PAGE. IF NOT, USE THE TABLE ON THE LAST PAGE.

COMMON SPECIES SHOWN IN ALL CAPITAL LETTERS

NC AMANITAS WITH SACCATE VOLVAS

NOTE: COLOR IN "[]" IS COLOR OF THE CAP

	CAP STRIATE -----	CAP NOT STRIATE -----
STEM WITH ANNULUS	section caesarea CAESAREA [ORANGE] Spreta [BROWN] Arkansana [YELLOW]	section phalloidae VERNA [WHITE] VIROSA [" Bisporigera [" Hygroscopica["]
STEM WITHOUT ANNULUS	section vaginatae VAGINATA [GRAY] FULVA [BROWN]	section amidella VOLVATA [BR/WHITE] Peckiana [WHITE]

**NC AMANITAS WITHOUT SACCATE VOLVAS BUT WITH
A LARGE AND/OR ROOTING BASAL BULB** (species in section lepidella)

NOTE: + = LARGE BULB, * = ROOTING BULB

WART COLOR ///////// ///////// PINK CREAM	***** PRESENCE OF ODOR ***** NOTHING UNUSUAL -----	CHLORINE OR AS NOTED -----
		+DAUCIPES(meaty odor)
WHITE	+POLYPYRAMIS (small, conical warts) +ABRUPTA (abrupt bulb; pointed warts) *Rhoadsii var flavotogens (no annulus; mostly coastal; turns Y) *Solitariiformis *Subsolitaria	(*Chlorinosina (strong CL OF LIME odor) *Crassifolia (same odor, bruises gold Y)
BROWNISH WHITE	+,(*COKERI	+,*RHOPALOPUS("strong odor")
CREAMY TAN		+Mutabilis (gills bruise pink, oily odor) +Microlepis
RED BROWN		+,(*)ATKINSONIANA(weak Cl smell)
BROWN		+,*RAVENELII (large, truncate warts)
	*Altifissura (cap with deep fissures; no annulus)	
BROWNISH GRAY	Hesleri (large, pyramidal warts)	*Cinereoconia(powder, not warts)
DARK GRAY		(*Cinereopannosa(meaty odor) *Onusta [PALE GRAY CAP] (CLORIDE OF LIME odor)
GRAY	*Tephera [PALE GRAY CAP] (no odor reported)	
YELLOW/GRAY	Cinereoconia/croceescens (stains yellow)	
GRAY/OLIVE		(*Pelioma

**NC AMANITAS WITHOUT SACCATE VOLVAS OR SPECIAL BULBS
BUT WITH WARTS OR PATCHES ON THE CAP; WART COLOR IN "[]"**

***** **ODOR AND CAP CHARACTER** *****

	CAP STRIATE	CAP NOT STRIATE AND POTATO ODOR	CAP NOT STRIATE & NO SUCH ODOR
CAP COLOR ////////////////////	section amanita -----	section mappae -----	section validae -----
CRIMSON TO RED ORANGE	PARCIVOLVATA[Y] (no annulus)		{ Wellsii[Y] }(Y stem) (Wellsii in section amanita)
ORANGE	Frostiana[Y]		FLAVOCONIA[Y] (W stem)
LT. ORANGE TO MELLON	MUSCARIA var PERSICIA[TAN]		
YELLOW/OR	MUSCARIA var FORMOSA[TAN] (rings above bulb)		
GOLDEN YELLOW			FLAVORUBESCENS[Y] (Bruises RED)
PALE Y/GREEN		CITRINA[PALLID]	
PALE YELLOW	GEMMATA[W] (with or without annulus)		
CREAMY W	Komarekensis [PINKISH POWDER] Albocreata		
WHITE	Farinosa [GRAY POWDER] (no annulus) Cothurnata = Pantherina		
TANNISH W			Excelsa/alba[W] (Bruises BR)
TANNISH BR	{ Ceciliae [GRAY] } in section vaginatae (no annulus)		
RED BR TO BROWN			RUBESCENS[TAN] (Bruises RED)
DARK BR			Excelsa[GRAY] (apple odor) Submaculata[W]
GRAY BR	PANTHERINA[W]	BRUNNESCENS (bruises R/BR) (basal bulb splitting)	