**Boletus edulis** Bull.:Fr.

*Cep; Porcini; King bolete*

**Description:**
bolete

**Fruiting Body:**
cap 8-15 (25) cm; stalk central, 10-18 cm long x 2-3 (4) cm diameter at apex, 4-6 (10) cm diameter at base; pores 2-3/mm, round.

**Spore Print Color:** olive brown.

**Spores:**
basidiospores (13) 14-17 (19) x 4-6.5 µm, subfusiform, smooth, inequilaterla.

**Diagnostic macroscopic feature:**
this is thought to be a species complex. The Iowa variety tends to be paler in color and with stalks that are almost equal.

[Image of Boletus edulis]

[Map of Iowa with highlighted area, not common, usually parasitized by other fungus]
from apex to base; reticulations on the top half of the stalk are a distinguishing feature of the species

**Nutritional Mode:** ectomycorrhizal  
**Substrate:** on ground  
**Habitat:** woodlands  
**Fruiting Season:** summer, fall  

**Kingdom:** Fungi  
**Phylum:** Basidiomycota  
**Order:** Boletales