

## SIMPLIFIED FUNGI IDENTIFICATION KEY



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## Simplified Fungi Identification Key:

| 1a. | Conidia (spores) produced of | on naked (open) conidiophores |  |
|-----|------------------------------|-------------------------------|--|
|-----|------------------------------|-------------------------------|--|





| 1c. | No conidia readily produced by fungus or seen on sample   |   |
|-----|---|---|
| 2a. | Both conidia and conidiophores (stalk-like, spore-bearing structures) hyaline (colorless) or brightly colored | 3 |
| 2b. | Either conidia or conidiophores (or both) with a distinct pigment (brown, black, gray, etc.)                  | 7 |
| 3a. | Conidia typically 1-celled, round to elongated  | 4 |
| 3b. | Conidia typically 2-celled, elongated to cylindrical  | 6 |

3c. Conidia 3 or more-celled, elongated to slightly curved, "canoe-shaped" ...... Fusarium



4a. Conidiophores short, truncated; ovoid to "barrel-shaped" conidia produced in single chain; white mycelium evident on tissue; conidial state of powdery mildew ...... *Oidium* 















7a. Conidia 1-celled, ellipsoid, and darkly pigmented produced in a "head" at the apex of branched, long conidiophores (sporangiophores) ...... *Choanephora* 





| 7b. | Conidia 2 or more-celled  | 8    |
|-----|---|------|
| 8a. | Conidia produced singularly at apex of simple conidiophores                       | 9    |
| 8b. | Conidia produced singularly or more often in chains at apex of conidiophores      | 10   |
| 8c. | Conidia (chlamydospores) produced on short conidiophores within or on root tissue | psis |





9a. Conidia 3 to 4-celled, bent, "boomerang-shaped", with enlarged central cell ....... Curvularia





































- 16c. Conidia of one type, darkly pigmented, elliptical ...... Sphaeropsis (Botryosphaeria)







17c. Conidia, hyaline, "large" (greater than 10µm), elliptical ....... Macrophoma (Botryosphaeria)













## ATTENTION! Pesticide Precautions

Observe all directions, restrictions and precautions on pesticide labels. It is dangerous, wasteful and illegal to do otherwise.

- 1. Store all pesticides in original containers with labels intact and behind locked doors. "KEEP PESTICIDES OUT OF REACH OF CHILDREN."
- 2. Use pesticides at correct label dosage and intervals to avoid illegal residues or injury to plant and animals.
- 3. Apply pesticides carefully to avoid drift or contamination of non-target areas.
- 4. Surplus pesticides and containers should be disposed of in accordance with label instructions so that contamination of water and other hazards will not result.
- 5. Follow directions on the pesticide label regarding restrictions as required by State and Federal Laws and Regulations.
- 6. Avoid any action that may threaten an Endangered Species or its habitat. Your County Extension Agent can inform you of Endangered species in your area, help you identify them and through the Fish and Wildlife Service Office identify actions that may threaten Endangered species or their habitat.

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