

VERSION: 1.0	DATE: 2001
PATHOGEN: <i>Cercospora zeaе-maydis</i> (syn: <i>Cercospora sorghi</i> var. <i>maydis</i> ; <i>Mycosphaerella</i> sp.)	
HOST: Maize (<i>Zea mays</i>)	
COMMON NAME: gray leaf spot (GLS)	
METHOD: Mz 13.1 Culture Plate (formerly Cf 10.1)	
METHOD CLASS: REGULATED NON-SEEDBORNE PEST	
SAMPLE: 400 seeds	

PROCEDURE:

1. Randomly select 400 seeds; 4 replicates of 100.
2. Wash thoroughly in running water to remove chemical seed treatment.
3. Immerse seeds in 1.0% (v/v) solution of sodium hypochlorite for 3 minutes. Triple rinse with sterile water.
4. Aseptically place seeds on PDA (potato dextrose agar), usually 5 to 10 seeds per petri plate.
5. Inoculate one PDA plate per replicate with a known culture of *C. zeaе-maydis*
6. Incubate samples at 25°C with 12 hours of light per day for 7 days.
7. Examine the plates for colonies typical of *C. zeaе-maydis*.
8. Suspect mycelium and/or fruiting bodies should be examined under magnification to confirm the identity.

REFERENCES:

- McGee, D. C. 1988. Maize Diseases. APS Press, St. Paul, MN.
- CABI. Crop Protection Compendium cabi.org/cpc/datasheet/12299