

<b>VERSION:</b> 1.0	<b>DATE:</b> 2001
<b>PATHOGEN:</b> <i>Phyllosticta maydis</i> (sexual: <i>Mycosphaerella zeae-maydis</i> )	
<b>HOST:</b> Maize ( <i>Zea mays</i> )	
<b>COMMON NAME:</b> yellow leaf blight	
<b>METHOD:</b> Mz 15.1 Culture Plate (formerly Cf 12.1)	
<b>METHOD CLASS:</b> REGULATED NON-SEEDBORNE PEST	
<b>SAMPLE:</b> 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 *P. 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 *P. 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