

VERSION: 1.0	DATE: 2001
PATHOGEN: <i>Phialophora gregatum</i> (syn: <i>Cephalosporium gregatum</i> ; <i>Phialophora gregata</i> ; <i>Cadophora gregata</i>)	
HOST: Soybean (<i>Glycine max</i>)	
COMMON NAME: brown stem rot	
METHOD: Sb 10.1 Culture Plate (formerly Sf 5.1)	
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 *P. gregatum*.
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. gregatum*.
8. Suspect mycelium and/or fruiting bodies should be examined under magnification to confirm the identity.

REFERENCES:

McGee, D. C. 1991. Soybean Diseases. APS Press, St. Paul, MN.