VERSION: 1.0	**DATE:** 2001
PATHOGEN: Phytophthora megasperma fp. glycinea (syn: Phytophthora sojae)	
HOST: Soybean (Glycine max)	
COMMON NAME: Phytophthora root and stem rot	
METHOD: Sb 11.1 Culture Plate (formerly Sf 6.1)	
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. megasperma fp. glycinea.

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. megasperma fp. glycinea.

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.

CABI. Crop Protection Compendium cabi.org/cpc/datasheet/40974