**VERSION:** 1.0  
**DATE:** 2001

**PATHOGEN:** Phialophora gregatum (syn: Cephalosporium gregatum; Phialophora gregata; Cadophora gregata)

**HOST:** Soybean (Glycine max)

**COMMON NAME:** brown stem rot

**METHOD:** Sb 10.1 Culture Plate (formerly Sf 5.1)

**METHOD CLASS:** REGULATED NON-SEEDBORNE PEST

**SAMPLE:** 400 seeds

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**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.

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**REFERENCES:**