



VERSION: 1.0	DATE: 12/2012
PATHOGEN: <i>Peronospora farinosa</i> f.sp. <i>spinaciae</i>	
HOST: spinach (<i>Spinacia oleracea</i>)	
COMMON NAME: downy mildew	
METHOD: Lcb 3.1 Wash Test (Inaba et al., 1983)	
METHOD CLASS: TEMPORARY STANDARD (B)	
SAMPLE: 1,000 seeds	

PROCEDURE:

1. Soak approximately 1,000 seeds in 50ml of water and stir for approx. 5 minutes.
2. Filter the water with cheesecloth to separate the washings from the seeds.
3. Centrifuge the water suspension at 3,000 rpm for 5 minutes.
4. Resuspend the precipitate in 5ml of water and examine 10 drops of 10ul looking for oospores of *P. farinosa* f.sp. *spinaciae* under the microscope.

REFERENCES:

Inaba, T., Takahashi, K. and Morinaka, T. 1983. Seed transmission of spinach downy mildew. *Plant Disease*. 67(10):1139-1141.