

## Downy mildew of lettuce sample collection for phenotyping

Please fill in as completely as possible and include with sample. This will help entry into the database but do not worry if some of this information is not available.

Date Collected: \_\_\_/\_\_\_/\_\_\_

Collector ID: \_\_\_\_\_

Collector: \_\_\_\_\_

(UC Lab ID: \_\_\_\_\_)

Location: \_\_\_\_\_

GPS coordinates if known: \_\_\_\_\_

Disease Intensity / Level of infection (circle one):

Low (Few infected plants),

Intermediate (Infected plants scattered throughout field).

Severe (Many infected plants)

Please comment whether collected from a single plant or from several plants and whether from multiple locations in the field:

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Fungicide treatment: Yes No Not known

If yes: Alliete Ridomil Orondis Revus Forum Other: \_\_\_\_\_

Type: Crisphead Romaine Looseleaf Butterhead Babyleaf Other: \_\_\_\_\_

Cultivar/Variety: \_\_\_\_\_

Approximate planting/wet date: \_\_\_\_\_

Other Comments:

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### **Collection and Shipping Instructions:**

Please send leaves with fresh sporulating lesions. These should be green or only slightly chlorotic:



Please not send leaves with dark necrotic lesions; it is difficult to rescue isolates from such samples because of bacterial contamination:



### **Drop-off in Yuma:**

1. Yuma Agricultural Center, 6425 W. 8<sup>th</sup> Street-Refrigerator located across from front desk.
2. Yuma Center of Excellence for Desert Agriculture, 899 E. Plaza Circle, Suite 2 (entrance on back side of building)-Drop off at front desk.

Contact Stephanie Slinski with Yuma drop-off questions, [sslinski@arizona.edu](mailto:sslinski@arizona.edu) or 928-782-5891

### **Or ship directly to lab:**

Please send overnight by Fed Ex (Account # 2630-4693-5) in a box rather than an envelope (to prevent samples being crushed) along with the datasheet and the words "Refrigerate upon arrival" on the outermost packaging to:

Attn: Charlotte Acharya  
The Genome Center  
Genome and Biomedical Sciences Facility  
451 East Health Sciences Drive  
University of California  
Davis, CA 95616  
Tel. 530-752-8889

Please notify Charlotte Acharya ([cacharya@ucdavis.edu](mailto:cacharya@ucdavis.edu)) with the tracking number when sent.

Please time the sending so that the isolate is not in the Fed Ex system over a weekend (i.e. do not send on a Friday). Isolates can be kept in a fridge at 5°C for a few days before sending, if necessary, although sending samples immediately after collection is best.

**Thank you for your help.** Please address questions to Charlotte Acharya [cacharya@ucdavis.edu](mailto:cacharya@ucdavis.edu), and/or Richard Michelmore, [rwmichelmore@ucdavis.edu](mailto:rwmichelmore@ucdavis.edu).

**Results will be available from [http://bremia.ucdavis.edu/bremia\\_database.php](http://bremia.ucdavis.edu/bremia_database.php).**