

PVY Testing Options Form - 2020

Please complete the following form to indicate your preference for PVY testing on your Winter Grow-Out lots. PVY testing is not required on Winter Grow-Out lots in Oregon but are in many other states. There are two basic choices to make (1) Type of PVY testing; (2) Whether to have follow-up strain testing on PVY positive wells. More detail on the testing options and the cost is found on page 2.

Once completed either mail/eMail back to the OSCS office in Corvallis, or bring in with your WGO sample.

Grower: _____ Date: _____

OPTION A: To test or not test, and extent of testing

- I do not want PVY testing done on my WGO lots;
- I want the type of PVY testing indicated below on ALL my WGO lots;
- I only want the type of PVY testing indicated below only on the following lots*1:

_____.

- Other request: _____.

OPTION B: Amount of testing

- 400 Leaf sample on all lots (the 'Standard' sample);
- 100% testing - Test all plants that emerge in all lots (or those noted above);
- Other request: _____.

_____.

OPTION C: PVY Strain testing options

Please note: PVY strain testing is only an option for PVY tested lots.

- NONE:** I do not want a PVY strain test done on any lots;
- 5 + WELL TEST:** I want a PVY strain test on + ELISA wells, but not to exceed 5 randomly chosen wells per lot. Note any exception below.

_____;

- TEST ALL:** I want a PVY strain test on ALL + ELISA wells *1. Note any exception below.

_____;

- Call me at** _____ **before proceeding with the strain test if any of my lots exceeds 5 + wells.**

<p>*1 - NOTE: at approximately \$10 per well this option can become rather expensive if unexpectantly high levels of PVY found in the lot.</p>



TESTING INFORMATION

PVY ELISA testing: A ‘standard’ PVY test on a lot involves a 400-leaf sample tested for PVY by the OSU Seed Lab. Fewer plants are sampled for lots smaller than 400 plants. The test must be requested in advance. The growers are billed \$32 per lot ‘sampling fee’ by OSCS and billed directly by the lab for PVY testing costs. Any shipping cost (i.e., for samples sent to other labs) will also be billed to the grower. The total cost per 400-tuber lot comes to about \$210. This test is mandatory for all lots entering Idaho and Washington for re-certification, but currently not required for final certification in Oregon.

The grower has an option for having leaf samples taken from the WGO sample:

- (a) ‘Standard’ 400-leaf sample (regardless of the number of tubers submitted); or
- (b) ‘100% of plants emerged’ sample. The cost being a multiple of the 400-leaf sample charge.

PVY Strain Survey (via PCR): A strain survey can be run on mosaic plants if requested in advance. This test is performed by North Dakota State University or the OSU Seed Lab. The grower is billed by OSCS at the end of the season for all PVY strain testing done. The cost is somewhat dependent on the amount of testing done at one time but generally comes to about \$11/ELISA well tested.

NOTE: PVY Strain testing is only offered on lots that have been PVY tested. It is not offered as a ‘stand-alone’ testing option.

The OSU Seed Lab can also test for PVX and PLRV. When done on the same leaf sample there is no extra ‘sampling fee’. The seed lab’s fee schedule for testing is posted at: <https://seedlab.oregonstate.edu/testing-services/testing-fees>.

NOTE: Due to the manner Winter Grow-Out tuber samples are handled and stored, it is not possible to use these samples for testing of bacterial or fungal pathogens (like Bacterial Ring Rot or Late Blight).

Also - just a reminder some important Winter Grow-Out dates:

- November 20** - Deliveries received after this date will be assessed a late fee;
- December 15** - OSCS should be notified in advance of any samples to arrive after Dec 15;
- January 2** - No winter test samples will be accepted after.