

Seed Certification Service

Crop Science Building 31
 Corvallis, OR 97331-3003
 Phone: 541-737-4513 Fax: 541-737-2624



Grower ID: _____ No. Leaves: _____

**Potato Latent Virus Testing
 (Field Samples)**
 Application deadline: July 31

Use a separate application for each seed lot

Grower: _____ County: _____

Address: _____ Telephone: _____

Potato Variety: _____ Lot No. _____

Generation of seed being produced: _____ Symptomless PVY variety? Yes ___ No ___

(See the Oregon Potato Seed Certification Standards, Sec. XIII.B)

Field Location: _____

Map Required (FY1-class fields only): Please provide a detailed map of your field layout, showing the location of the field and specific seed lot. Also indicate which direction is north, the best access.

Test Requested and Fee Calculation

Fee includes both a (1) Sampling/mailling fee billed by OSCS and (2) A Lab testing fee billed directly from lab (ICIA or OSU). See table on opposite side to calculate both.

<u>Generation</u>	<u>Acres*</u>	<u>No. Leaves*</u>	<u>ELISA Samples</u> (bulk 5 leaves per sample)	<u>Test Desired</u> PVY, PVX*	<u>Fees</u>	
					<u>Sampling/ & Mailing^d</u>	<u>Lab (approximate)</u>
FY1:	_____	_____	_____	_____	\$ _____	\$ _____
FY2:	_____	_____	_____	_____	\$ _____	\$ _____
FY3:	_____	_____	_____	_____	\$ _____	\$ _____
FY4-FY6:	_____	_____	_____	_____	\$ _____	\$ _____

- *a Please show acreage in tenths (0.1) of an acre for production of a FY1 or FY2 seed lot.
- *b No. of 40-plant samples (for production of the FY1 generation only). **Maximum of 400 leaves per lot taken (above FY1 class). See table on opposite side to calculate out the number of leaves/lot required.**
- *c PVY testing is required for the F1 generation of PVY symptomless varieties, unless the seed is for "Own Use Only" and a post-harvest sample of at least 220 tubers will be submitted for Winter Grow-out evaluation. PVY testing is optional for other varieties and generations. Other states may require this testing for recertification purposes. PVX testing is optional for all varieties and generations produced. Exports Standards require PVX testing through FY2.
- *d \$60.00 minimum per lot.

Grower's signature _____

OSCS Use only: Check No. _____ Amount _____ Date _____ Office _____ ID _____

Table 1 - Latent Virus Testing Fees (from Potato Standards)

A. Field Sampling

Class	Rate		ELISA samples	Sampling /mailing fee	Approx. Lab fee *	
	L/H ~	L/A ~			1 virus	2 virus
FY1	1/4 ~	L/H ~	*b	\$184 per 0.1 acre	\$206	\$412
FY2	400	L/A ~	80	\$196 per acre	\$220	\$440
FY3	50	L/A	10	\$25 per acre	\$28	\$56
FY4-FY6	20	L/A	4	\$10 per acre	\$11	\$22

B. Winter Grow-Out = \$32 per 400-leaf sampling fee (+\$10 if mailing required); All classes. Lab fee ~ \$220. Notification required at least 2 weeks before WGO lots read. **Strain testing** cost vary widely with number of samples tested. Cost is roughly \$8-10/well tested with a minimum of about \$300 for the set up cost. Strain testing will only be done on lots PVY tested (no stand-alone strain tests).

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 \*a - Leaves/hill (FY1) - no maximum rate

\*b - Dependent on number of hills present, for example: if 0.1 acre had 1,500 hills, 375 leaves would have to be sampled = 75 ELISA samples = sampling fee of \$184

\*c - Leaves/acre (other classes), MAXIMUM = 400 leaves per lot

\*d - Per unit shown, based on 2021 fees for OSU Seed Lab (see below). Fees vary with number of samples submitted at one time.

**Oregon State University Seed Laboratory**

Prices for leaf testing of Potato virus using ELISA (2021)

|                                                                                |               |
|--------------------------------------------------------------------------------|---------------|
| Potato virus testing (bulk leaves may be tested for up to 5 leaves per sample) | \$2.75/sample |
|--------------------------------------------------------------------------------|---------------|

\* Bulk Leaves may be tested for up to 5 leaves per samples. The ability to detect infection decreases with the increase of leaf number per sample.

For the most current Informaion and fees see: <https://seedlab.oregonstate.edu/testing-services/testing-fees>

**ICIA LEAF TESTING (2020)** <https://www.idahocrop.com/reports> (at bottom)

| LEAF TESTING |              |         |         |         |         |         |         |         |
|--------------|--------------|---------|---------|---------|---------|---------|---------|---------|
| # of samples | # of viruses |         |         |         |         |         |         |         |
|              | 1            | 2       | 3       | 4       | 5       | 6       | 7       | 8       |
| 1 - 5        | \$6.45       | \$11.95 | \$17.95 | \$23.95 | \$28.75 | \$34.15 | \$37.95 | \$41.25 |
| 6 - 10       | \$5.10       | \$8.10  | \$14.00 | \$19.20 | \$22.90 | \$30.60 | \$36.65 | \$38.25 |
| 11 - 25      | \$3.45       | \$5.85  | \$8.60  | \$11.30 | \$13.85 | \$16.70 | \$18.30 | \$19.65 |
| Over 25      | \$2.50       | \$4.65  | \$6.65  | \$8.60  | \$10.50 | \$12.45 | \$14.00 | \$15.30 |

Potato virus tests available: PVX, PVY, PVYn, PLRV, PVS, PVA, PVM, PMTV, TRV and Potato Latent Carlavirus.

Bean Common Mosaic Testing = Leaf Testing Price + \$0.40 per sample

Leaf samples may be bulk tested for more economical testing. However, the ability to detect low titres of virus may be lessened by bulk testing.