

Oregon Department of Agriculture (ODA) *Phytophthora ramorum* Nursery Program 2021 Summary Report

In 2021, the Oregon Department of Agriculture *Phytophthora ramorum* Nursery Program worked with eight interstate shippers under federal compliance agreements (7 CFR 301.92). These nurseries are in Polk (1), Washington (1), Marion (4), Columbia (1), and Linn (1) Cos. The ODA also held compliance agreements with two intrastate shippers, which are regulated under Oregon state quarantine requirements (7 CFR 301.92 and OAR 603-052-1230). These nurseries are in Clackamas and Lincoln Cos. Table 1 summarizes ODA's results for the work described in this report. Table 2 lists plant species and cultivars with *P. ramorum* detections in 2021.

		Foliar		Soil		Water	
	Survey Type	Sampled	Pr (+)	Sampled	Pr (+)	Sampled	Pr (+)
Spring 2021	Compliance	1,872	61	0	0	0	0
	Trace	10	0	0	0	0	0
	CNP*	164	10	35	0	2	0
Fall 2021	Compliance	975	7	0	0	3	0
	Traceback	302	results pending	0	0	0	0
	CNP*	224	18, with add'l results pending	0	0	0	0
	TOTAL	3,547	96	35	0	5	0

Table 1: Results from 2021 surveys conducted at nurseries under federal and state compliance surveys. *CNP = Confirmed Nursery Protocol survey.

Spring compliance surveys were completed by the end of April. The ODA tested 1,872 foliar samples for *P. ramorum*, of which 61 tested positive. The Confirmed Nursery Protocol delimitation work was conducted at the three nurseries that tested positive. A total of 164 foliar samples were taken, of which 10 tested positive. No new nurseries were added to the program this spring, and both intrastate shippers along with four interstate shippers located in Polk (1), Marion (2), and Linn (1) Cos. fulfilled their CNP requirements and were released from the program. The ODA did a trace inspection and found no positive *P. ramorum* foliar samples. No positive soil or water samples were found.



Figures 1 & 2. Confirmed *P. ramorum* positive Rhododendrons.



Figures 3 & 4. Hoop house and gravel nursery bed after plants were culled awaiting delimitation results.

Genus/Species	Cultivar
<i>Rhododendron</i>	Minnetonka, Roseum Pink, Polarnacht, Catawbiense Grandiflorum, Hellikki, Boursalt, Kalinka, Yaku Prince, Jean Marie de Montague
<i>Azalea</i>	Stewartstonian, Girard's Crimson, Hino Crimson, Girard's Purple, Elsie Lee
<i>Pieris japonica</i>	Purity, Mountain Fire, Flaming Silver, Valley Rose
<i>Leucothoe</i> spp.	n/a
<i>Arbutus</i> spp.	n/a
<i>Gaultheria procumbens</i>	n/a

Table 2: Regulated plants that were confirmed positive for *P. ramorum* in 2021 in Oregon.

Fall compliance surveys were completed by the end of October. In mid-November, seven of the foliar samples collected from one nursery tested positive. No positive water was detected. The nursery has been undergoing the USDA Confirmed Nursery Protocol and two rounds of delimitation work has been completed. In the first round, 18 positive foliar samples were identified; results are still pending on the foliar samples collected during the second survey. More than the required amount of plant material was destroyed, and fumigation work has begun at the nursery. Traceback information from the positive nursery led to the inspection of another nursery in Marion County. At the start of December, 302 foliar samples were taken from this nursery; lab results are pending.

Going into 2022, the ODA will continue implementing the CNP on the nursery where positive foliar samples were found and will determine the plan of action required for the nursery identified in the traceback once results are available from the lab. For more information, please contact Chris Benemann at chris.benemann@oda.oregon.gov.