

## California Department of Food and Agriculture, *Phytophthora ramorum* Program - 2020 Summary Report

The California Department of Food and Agriculture (CDFA) receives funding from the United States Department of Agriculture (USDA) to administer the cooperative *Phytophthora ramorum* (*P. ramorum*) program. The CDFA assists and reimburses the county agricultural commissioners as they enforce Federal Domestic Quarantine 7 CFR 301.92 and California Code of Regulations 3700 regulations at the 292 establishments regulated for *P. ramorum* in California (see Table 1). Program funding allocated to the CDFA for the *P. ramorum* program was increased for fiscal year 20/21 to \$1,505,591.

**Table 1. Establishments Under Compliance for *P. ramorum* in California**

Establishment Type	Number of Establishments
Host/Nonhost Nursery Stock in Soil	169
Greenery, Garland, and Wreaths	9
Soil	1
Tree Farm	11
Wood and Wood Products, Green Waste Origin Facility, Compost Facility Green Waste Transporter	102
<b>Total</b>	<b>292</b>

Approximately 8,200 *P. ramorum* program regulatory samples were submitted to the CDFA Plant Pest Diagnostics Laboratory for processing in 2020. A total of 49 samples were determined to be positive for *P. ramorum*. Positive samples were composed of 48 foliar samples and one water sample. Positive plant species consisted of *Camellia* sp., *Loropetalum chinense*, and *Magnolia* sp.

Five nurseries were confirmed to be positive with *P. ramorum* in California in 2020, down from 15 positive nurseries in 2019 (see Table 2). The USDA Official Regulatory Protocol for Nurseries Containing Plants Infected with *Phytophthora ramorum* Confirmed Nursery Protocol (CNP) was implemented at all the positive nurseries as directed by the CDFA Nursery Advisory No. 02-2018 published in May 2018. The CNP outlines thoroughly vetted enforcement actions to prevent the further spread of *P. ramorum* through nursery stock trade. The CNP is also the protocol currently accepted by the CDFA for delimitation, mitigation, and disposal of nursery stock, soil, and other articles at nurseries which are infested with or may have been exposed to *P. ramorum*.

**Table 2. *P. ramorum*-Positive Nurseries by Year in California**

Year	Nonquarantine Counties		Quarantine Counties		Total
	Production	Retail	Production	Retail	
2020	2	0	3	0	5
2019	2	3	5	5	15
2018	2	3	2	4	11
2017	1	3	5	7	16
2016	1	0	0	1	2
2015	0	0	0	0	0
2014	1	0	0	0	1
2013	0	0	1	0	1

One nursery shipping *P. ramorum* host material interstate from California was found to be positive for *P. ramorum* in 2020. The positive interstate shipper is already in compliance with quarantine regulations. This nursery will continue to receive biannual inspections. One nursery in a quarantine county was found negative for *P. ramorum* for the sixth consecutive inspection in 2020 and was released from biannual inspections as required by quarantine regulations. This brings the total number of California nurseries receiving biannual inspections down to nine. For more information contact Carolyn Lambert, [Carolyn.Lambert@cdfa.ca.gov](mailto:Carolyn.Lambert@cdfa.ca.gov).