

Appendix G. Survey Data Worksheet

Directed Surveys: CAPS Nursery Survey (00557), Trace Forward/Back (00568), Compliance Survey (00571), Residential (00573), Confirmed Nursery Protocol (00572), and General Nursery Inspection (00060)

MINIMUM ENTRY: When NO samples taken for laboratory testing

Reporting field survey information when no samples taken for lab processing.

Complete one record for each of the major genera recording number of plant(s) inspected by host (field 16).

Diagnostic lab, Confirmation-Method, Lab Processing Date, Sample-ID will ALL be blank.

NOTE: Zip code (Field 24) or Location Coordinates (Fields 8,9) still is expected.

ENTRY WHEN field sample(s) are taken for lab processing:

Each field survey sample from an inspection site is entered as a separate record ONCE a final laboratory determination has been made.

Record the TOTAL number of plants making up the field sample from that host in Field 16.

Observation Number	Observation Date [YYYYMMDD]	Data Source
-- -- -- -- -- -- -- -- -- -- n u r s e r y c o d e + S S , -- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- -- (year)(month)(day)	-- -- -- 11=USDA-APHIS 13-STATE AG 16=JOINT STATE/ Federal

nur = inspection site
 values may be either
 (numeric or alpha or mix)

SS = counter indicating sample(s) taken
 at an inspection site

**example suggestion:
 counter = 00 for non-sample record
 = 01 for first observed field sample

see reference file
 for additional
 choices

State-County	Host/site Code	Host (crop) Life Stage	Crop Situation/ nursery category
State and county	34036 CAMELLIA spp	optional	REQUIRED SELECTION
FIPS code from	34118 RHODODENDRON		
reference file	34471 KALMIA spp		[43050 - plant dealer or 43060 - plant grower required for SM's 00060,00557,& 00572] All other SM's choose appropriate Crop Situation
	34137 VIBURNUM spp		
	34111 PIERIS spp		
	91000 Other HAPs		
	To be used only on		
	species other than		
	top five listed above		

see CROP reference
file

Latitude	Longitude	Pest Code
Latitude/longitude for each nursery is REQUIRED OR you must enter the zip code in field 24		Phytophthora ramorum [Genus species]

Pest Life Stage	Pest Status	Survey Method	Quantification
Leave BLANK	- NEGATIVE +B APHIS (Diagnostic lab confirmed)	Enter survey type 00557, 00568, 00571, 00573, 00572, 00060	0 - no symptomatic plants or 0 - lab sample is negative 1 - lab sample is positive

Descriptor Units	Total Plants Checked		Observation Duration	Diagnostic Lab
3 1 8 ,		blank ,	blank ,	
Plants	TOTAL # of plants inspected/species/nursery			check reference file

See
example(s)
below

Confirmation Method	Laboratory [YYYYMMDD] Process-date	Biocontrol Target
		Leave BLANK ,
ELISA neg. 90020	date lab test completed	
PCR neg. 90110		
PCR pos. 90111		

Sample ID	Zip Code

Sample ID = less than or equal 10 positions for either NPDN/state/federal number NOT required for non-lab sample records

Zip code = zip code for each nursery is REQUIRED OR you must enter the latitude and longitude in fields 8 and 9

Notes
Positions 1-40 are available for general use.

SUMMARY RECORD example record for negative nursery site observation

NO symptomatic plants were found for a unique host species/nursery site combination.) Diagnostic-lab, Confirmation-Method, Lab-Process Date, and Sample-ID fields are left blank. A grower was visited and 145 total plants inspected.

1230400,20060501,13,18157,34118,,43060,,,FGHEPWN,,-,00557,0,318,145,
 ,,,,,,47905,BENNETTS

Field survey sample record:

Each field survey sample is to be entered as its own separate record after laboratory confirmation of the sample's negative or positive status has occurred. The protocol followed to make a final determination of P. ramorum positive may take a sample through multiple laboratories and several diagnostic techniques. At any step, a negative result might occur. Following a negative laboratory outcome, a sample's result is complete. A record is created and entered into NAPIS.

The only time a positive entry for a sample occurs is after an APHIS designated laboratory returns a positive confirmation. (see last example)

lab process	results	lab	date	comments
=====	=====	====	=====	=====
A. Elisa test - serology	neg. 90020			

If sample results are negative, test is complete; enter results.

1230501,20060510,13,18157,34022,,43050,,,FGHEPWN,,-,00557,0,318,
 4,,,849,90020,20060608,,IN001,47902,out-of-state-plants

lab process	results	lab	date	comments
=====	=====	===	=====	=====
B. PCR detection (DNA)	neg. 90110			

If sample results are negative from Beltsville or a provisionally approved lab, test is complete; enter results.

1280301,20060701,13,18157,34137,,43050,,,FGHEPWN,,-,00557,0,318,
 3,,,849,90110,20060702,,IN0515714,47905,imports from California

If PCR positive results occur then DNA extraction is done and material is sent to Dr. Loraine Levy's lab (USDA/APHIS/CPHST) for final confirmation.

lab process	results	lab	date	comments
=====	=====	===	=====	=====
C. culture (selective)	neg. 90040			

If sample results are negative, test is NOT complete.
 Send sample for PCR confirmation. For data entry use, example C above as a guide.

If culture positive results occur then a sample is submitted for final confirmation to Dr. Mary Palm's lab, (USDA/APHIS) Beltsville, MD.

APHIS/USDA RESULTS:

lab process	results	lab	date	comments
=====	=====	===	=====	=====
culture	pos. 90041	0591		USDA results M Palm
PCR Detection	neg. 90110	0593		USDA results L Levy
PCR Detection	pos. 90111	0593		USDA results L Levy

USDA determines symptomatic sample to be negative.

1260501,20060430,13,18157,34036,,43050,,,FGHEPWN,,-,00557,0,318,
 3,,,593,90110,20060620,,678912355112,47906,

PCR Detection positive is from Dr. L. Levy's lab:

1220201,20060601,13,18157,34022,,43050,,,FGHEPWN,,+B,00557,1,318,
 4,,1,593,90111,20060620,,123456123411,47903,quarantine order