**Appendix G-3 Soil Sampling Data Worksheet**
**(October 19, 2011)**

Directed Survey: Soil and Container Mix Sampling (00585)

| Observation Number | Observation Date [YYYYMMDD] | Data Source |
|---|---|---|
| Assigned locally | (year)(month)(day) | 11-USDA-APHIS<br>13-STATE AG<br>14-Univ/Extension<br>16-Joint STATE/ Federal |

| State-County | Host/site Code | Host (crop) Life Stage | Host (crop) Situation |
|---|---|---|---|
| State and county FIPS code from Reference file | 99999-none specified | Leave blank | Required – code from Ref Crop Sit List |

| Latitude | Longitude | Pest Code |
|---|---|---|
| Latitude/longitude for each site is REQUIRED OR you must enter the zip code In field 24 | | F G H E P W N<br>Phytophthora ramorum |

| Pest Life Stage | Pest Status | Survey Method | Quantification |
|---|---|---|---|
| Leave BLANK | + POSITIVE<br>- NEGATIVE | 0 0 5 8 5<br>Enter survey type | 0 - no symptomatic samples or<br>0 - lab sample is negative<br>1 - lab sample is positive |

```
|-----------|-------------------------|--------------|-----------|-----------|
|Descriptor |Total Units              |  Positive    |Observation| Diagnostic|
|Units      |Checked                  |  Units       |Duration   | Lab       |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 3  7  9 , |                       , | blank       ,|          ,|          ,|
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
  Sites                                                          code from Ref-
                                                                 Diagnostic-Lab

|-----------------|-----------------------|-----------------------|
|Confirmation     |Laboratory [YYYYMMDD]  | Biocontrol            |
|Method           |Process-date           | Target                |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|               , |                     , |  Leave BLANK        , |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
Culture(Selective)  date lab test completed
 neg. 90040
ELISA neg. 90020
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


|-----------------------------------------------------------------|
|                              Notes                              |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|                                                                 |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
 Positions 1-40 are available for general use.
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**NOTES = General use**

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 | YYYYMMDD | comments |
|---|---|---|---|---|---|
| A. | PCR detection (DNA) | neg. 90110 | | | |

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

If PCR positive results occur then DNA extraction is done and material is sent to the Molecular Diagnostic lab (USDA/APHIS/Beltsville) for final confirmation.

| | lab process | results | lab | date YYYYMMDD | comments |
|---|---|---|---|---|---|
| B. | culture (selective) | neg. 90040 | | | |
| | ELISA | neg. 90020 | | | |

If culture positive results occur then a sample is submitted for final confirmation to the Molecular Diagnostic lab, (USDA/APHIS) Beltsville, MD.

Samples tested by ELISA and found to be above a background threshold are to be tested further.

APHIS/USDA RESULTS:

| lab process | results | lab | date YYYYMMDD | comments |
|---|---|---|---|---|
| culture | pos. 90041 | 3004 | | USDA results |
| PCR Detection | neg. 90110 | 3004 | | USDA results |
| PCR Detection | pos. 90111 | 3004 | | USDA results |

USDA determines symptomatic sample to be negative.

1260501,20060430,13,18157,99999,,67025,,,FGHEPWN,,-,00580,0,379,
3,,,3004,90110,20090401,,678912355112,47906,

PCR Detection positive is from the Molecular Diagnostic lab:

1220201,20060601,13,18157,99999,,67025,,,FGHEPWN,,+B,00580,1,379,
4,,1,3004,90111,20090401,,123456123411,47903,quarantine order