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STATE OF NEW HAMPSHIRE
DEPARTMENT of RESOURCES and ECONOMIC DEVELOPMENT
DIVISION OF FORESTS AND LANDS
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January 17, 2014

Her Excellency, Governor Margaret Wood Hassan
and the Honorable Executive Council
State House
Concord, New Hampshire 03301

Retroactive/Sole Source

REQUESTED ACTION

Authorize the Department of Resources and Economic Development, Division of Forests and Lands to make two (2) **RETROACTIVE, SOLE SOURCE** payments to Cornell University (VC #177635), Geneva, NY, in the amounts of \$3,960 and \$4,000 for diagnostic laboratory testing services performed from 7/29/2013 to 10/15/2013. 100% Federal Funds

Funding is available in account titled, Forest Health - Federal, as follows:

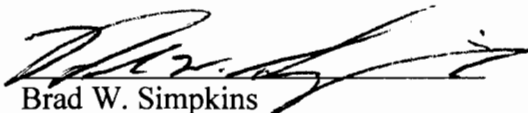
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|-------------------------------------|------------------|-----------------------|
| | | <u>FY 2014</u> |
| 03-35-35-351010-35160000-072-500574 | Grants - Federal | \$7,960 |

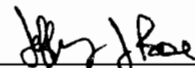
EXPLANATION

Cornell University was named as the only laboratory in the region situated with the proper markers and kits to analyze DNA in the *Cronartium* disease genus in Federal Grant #G42393087201/13-DG-11420004-078. The invoices are for DNA extraction and identification of disease on various species of gooseberries and currants that were collected throughout NH. The Department inadvertently assumed that because Cornell University was named in the federal grant as the only vendor available to use for these specialized testing services that we did not need further permission to expend funds to them; therefore we are now seeking retroactive approval to make payment to this vendor.

Respectfully submitted,

Concurred,


Brad W. Simpkins
Interim Director



Jeffrey J. Rose
Commissioner



Kerik D. Cox

Associate Professor

Department of Plant Pathology and Plant-Microbe Biology

630 West North Street

Geneva, NY 14456-0462

phone: 315-787-2401

fax: 315-787-2389

email: kdc33@cornell.edu**Short title:** Site-specific management of resistance testing service for *Venturia inaequalis***Date:** 9-1-2013 to 10-15-2013**Reference nr:** PP-Geneva-Cox-Lombard Ribes EM

Short description of project: The Cornell University Tree Fruit and Berry Pathology extension program offers emergent pathogen diagnostic services for microbiology and pathogen genotyping. For the cost of the service, additional federal and state institutions groups may submit samples for testing. Provided support for diagnostic method optimization. A diagnostic method was developed to identify the white pine blister rust pathogen, *Cronartium ribicola* from infected Ribes plants using molecular markers. 67 multi-leaf Ribes samples from 26 plantings in New Hampshire were tested for microscopically and genetically for the presence of *Cronartium ribicola* infections.

Itemization:

1-2 isolates from each of the 67 composite samples were tested for microscopically and genetically for the presence of *Cronartium ribicola* infections.

Microscopy and molecular genotyping by sequencing is offered at a cost of \$60/sample which includes personnel time and reagents for the removal of spores, extraction of DNA, PCR, purification, sequencing, and bioinformatics.

2 isolates from 30 composite samples: 60 x \$60: \$3600.00

1 isolate from 6 composite samples x \$60: \$360.00

Check or bank account no. with international transfer code.**Invoice Total:** \$3,960**Remit to (Via email & Fax):**

Kyle Lombard,

Forest Health Program Coordinator,

NH Division of Forests & Lands Forest Protection Bureau,

Forest Health Section,

phone: (603) 464-3016,

e-mail: Kyle.Lombard@dred.state.nh.us

Kerik D. Cox

Associate Professor
Department of Plant Pathology and Plant-Microbe Biology
630 West North Street
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phone: 315-787-2401
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email: kdc33@cornell.edu

Short title: Site-specific management of resistance testing service for *Venturia inaequalis*

Date: 7-29-2013 to 8-31-2013

Reference nr: PP-Geneva-Cox-Lombard Ribes EM

Short description of project: The Cornell University Tree Fruit and Berry Pathology extension program offers emergent pathogen diagnostic services for microbiology and pathogen genotyping. For the cost of the service, additional federal and state institutions groups may submit samples for testing. Provided support for diagnostic method optimization. A diagnostic method was developed to identify the white pine blister rust pathogen, *Cronartium ribicola* from infected Ribes plants using molecular markers. 67 multi-leaf Ribes samples from 26 plantings in New Hampshire were tested for microscopically and genetically for the presence of *Cronartium ribicola* infections.

Itemization:

Development and validation of an assay using *Cronartium ribicola* SNP fingerprinting on samples extracted directly from field infections.

Supplies used in method validation: Qiagen DNA extraction kit reactions, steel beads, reagent quality tape, exploratory PCR primers: \$340.00

1-2 isolates from each of the 67 composite samples were tested for microscopically and genetically for the presence of *Cronartium ribicola* infections.

Microscopy and molecular genotyping by sequencing is offered at a cost of \$60/sample which includes personnel time and reagents for the removal of spores, extraction of DNA, PCR, purification, sequencing, and bioinformatics.

2 isolates from 28 composite samples: 56 x \$60: \$3360.00

1 isolate from 1 composite samples x \$60: \$60.00

4 isolates for assay development and validation x \$60: \$240.00

Check or bank account no. with international transfer code.

Invoice Total: \$4,000

Remit to (Via email & Fax):

Kyle Lombard,

Forest Health Program Coordinator,

NH Division of Forests & Lands Forest Protection Bureau,

Forest Health Section,

phone: (603) 464-3016,

e-mail: Kyle.Lombard@dred.state.nh.us