

CAPS Work Plan for Calendar Year 2008

Cooperator: Connecticut Agricultural Experiment Station
State: Connecticut
Project: **Part III (EPP): Survey for Chrysanthemum White Rust**

Project Coordinator: Rose Hiskes
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I) OBJECTIVES AND NEED FOR ASSISTANCE

Chrysanthemum White Rust (CWR), caused by the fungus *Puccinia horiana*, is a potentially damaging disease of several species of Chrysanthemum. There have been outbreaks of this disease in Canada and the US, but it has been eradicated when found. The proposed survey would be conducted in conjunction with yearly inspections of commercial production nurseries for detection of other pests and diseases, and by examination of plants submitted by home gardeners to the Plant Disease and Information Office (PDIO) at the Connecticut Agricultural Experiment Station. In addition, an educational outreach component of the project will disseminate pertinent information to commercial nursery growers and hobbyist gardeners through presentations at meetings and workshops.

CWR is a significant quarantine pest in the US. Importation of Chrysanthemum is prohibited from several countries, territories, and possessions due to the potential of this organism to be transported with prohibited articles of Chrysanthemum. When CWR is found in the US, the States and APHIS cooperate to eradicate it. Management of CWR will help to protect the economic value of the nursery and greenhouse industry of Connecticut.

II) RESULTS OR BENEFITS EXPECTED

The Cooperator seeks to conduct a cooperative agricultural pest survey program which is expected to result in:

- Data on the presence or absence of this non-native disease in Connecticut
- Educational outreach to growers and gardeners and information about management options if this disease is found.

III) APPROACH

A) The Cooperator and APHIS mutually agree to/that:

- i) Maintain a State Cooperative Agricultural Pest Survey Committee that will meet at least twice a year to discuss fostering the goals of CAPS.
- ii) Work together in carrying out field surveys, trapping, and data collection, setting emphasis on pest/diseases particularly identified (see attached list), that may pose an immediate risk to the agriculture of this state and the United States.

- iii) Have representation at National and/or Regional annual planning meetings.
- iv) Utilize Cooperator and APHIS program funding, as outlined in the Financial Plan, within the authorized parameters to support survey and detection activities. In addition, specific appropriated funding in the level authorized by the PPQ Eastern Region, will be dedicated to the delivery of CAPS objectives listed above.

B) The Cooperator will:

- i) Description of cooperator activities:

Conduct surveys for Chrysanthemum White Rust (CWR). Each year, during the course of regular nursery inspections (June – August), registered nurseries and nursery dealers are inspected for presence of pests and diseases on the stock on hand and in production. A minimum of twenty nurseries will be surveyed for CWR. Plants are examined visually by trained inspectors, and signs and symptoms of infection are noted. When warranted, samples are transported to the PDIO for further examination by a trained and experienced plant pathologist. If necessary, plant samples will be incubated to encourage growth and sporulation of diseases, to aid in identification of the causal agent.

In addition, plants are delivered to the PDIO by hobbyist gardeners. These plant samples will be examined as above, and, when warranted, will be incubated to encourage growth and sporulation.

Educational outreach will be accomplished by distribution of written information such as fact sheets, to professional nursery personnel and hobbyist gardeners, through their respective organizational meetings. Oral presentations will be made to professional and hobbyist organizations as requested. When oral presentations are given, a count will be made of those present in the audience, as a way to assess the impact of these outreach efforts. Attendance at the above mentioned meetings also will be included.

- ii) Provide the following resources:

- (1) **Personnel:** One summer research assistant to assist in field survey activities.

Responsibilities for this person will include help with sample collection and examination, data entry for samples and inspections, and other duties associated with the project when necessary. He/she will work under the direction of current Station Personnel. The Research assistant will aid in laboratory procedures associated with Taxonomic Support and will aid in record-keeping for this survey. The State Survey Coordinator will coordinate the survey, ensure the objectives are met, and assist in the outreach activities.

- (a) Research Assistant and State Survey Coordinator are currently employed by CAES.

- (b) One summer research assistant will be hired to assist with the survey

- (c) All positions are paid

- (2) Type of equipment provided by Cooperator for personnel.

- (a) Identify major equipment needs.

All equipment necessary for diagnostics are already on site, and nothing needs to be purchased.

- (b) Use of the equipment purchased.
Diagnostics
- (c) Purchased with APHIS funds?
No
- (d) Method of procurement.
N/A
- (e) Method of disposition.
N/A
- (3) Provide office space at 123 Huntington St., New Haven, CT 06504, with associated services and utilities, computers and other office equipment for the use of Cooperator personnel in entering survey data into the NAPIS database.
- (4) Vehicles for Cooperator personnel in conducting field surveys and collecting data..
APHIS will provide for all operational costs of the vehicles.
- (5) Supplies
 - (a) Diagnostic supplies for field surveys.
Miscellaneous lab supplies
 - (b) Special supplies.
None
 - (c) Method of procurement.
Materials are purchased through the approved system of state contract vendors.
Purchases are made with a credit card billed directly to the appropriate account at CAES.

iii) Contracts

- (1) Who will handle contractual needs?
Michael Last, Chief of Services of the CT Agricultural Experiment Station, will handle contractual and financial reporting needs. His office is located at 123 Huntington St., New Haven CT 06504; phone 203-974-8442, fax 203-974-8502; Michael.Last@po.state.ct.us
- (2) Cooperator procurement activities shall be in accordance with A-102 and A-110.
- (3) Special requirements
none

iv) Reports

- Submit all reports to the APHIS Authorized Department Officer's Designated Representative (ADODR0. Reports include:
 - (1) Narrative accomplishment reports (**Accomplish Report – Appendix H of the ER CAPS Guide**) in the frequency and time frame specified in the Notice of Award, Article 4.
 - (2) Financial Status Reports, SF-269, in the frequency and time frame specified in the Notice of Award, Article 4.
- v) Adhere to APHIS ADP security guidelines as referenced in the Notice of Award when entering pest survey data and transmitting it to NAPIS.

C) APHIS will:

- i) Provide the following personnel:
 - (1) Patricia M. Douglass, State Plant Health Director, USDA APHIS will provide informational support and federal guidance.
 - (2) Nichole K. Campbell, Pest Survey Specialist, USDA APHIS will assist in developing survey protocols, pest risk analysis, and other related activities.

- ii) Provide any new information that becomes available on CWR, provide appropriate forms, and review the data
- iii) Provide the following resources: funds to the Cooperator to cover costs outlined in the Financial Plan.
- iv) Make arrangements for Taxonomic support in identification of CWR should this disease is found.

D) Other parties who will work on the project:

- i) List participating agencies/institutions.
none
- ii) List all who will work on the project.
N/A
- iii) Describe the nature of their effort.
N/A
- iv) Describe their specific contribution.
N/A

IV) QUANTITATIVE PROJECTION OF ACCOMPLISHMENTS TO BE ACHIEVED

January	Outreach activities (grower meetings, etc)
February	“
March	“
April	“
May	“
June	Survey nurseries
July	Survey nurseries
August	Survey nurseries
September	Tally data, outreach activities, report all final data to NAPIS
October	Outreach activities
November	Outreach activities
December	Outreach activities

V) DATA COLLECTION AND MAINTENANCE

A) Data management:

The Project Coordinator has the responsibility for delivering tentative identification of targeted or other introduced pests to the State Plant Health Director and State Plant Regulatory Official, in accordance with the requirements listed below. The project coordinator will inform the SSC of diagnostic results.

- i) All survey data from cooperative agreements involving pest surveys will be entered into the NAPIS database.
 - (1) First record for the State and/or County will be entered within **48 hours** of confirmation of identification by a qualified identifier.
 - (2) All other required records, both positive and negative survey data, must be entered **within two weeks** of confirmation.

- (3) All records are to be entered into the NAPIS database by **December 1** of the year of survey, so these data can be included in the yearly Plant Board Report.

B) Data to be collected:

GPS data, in decimal degree NAD 83 format, as well as nursery or retail names, and contact information, will be collected on location of sites surveyed, number of plants examined, genus, and species of the plants, source of the plants (if not locally produced), number of symptomatic plants, and all other pertinent information in the event of trace-forward activities. We will attempt to use ISIS for survey data collection. If ISIS is not utilized, The SSC will submit a monthly report.

C) Data maintained in:

Data will be stored at CAES in paper files and in an Access data base, prior to submission to NAPIS.

D) Criteria to evaluate the results and successes of the project:

- i) Pest detection survey, outreach and other Core project activities, are completed in the manner and time frame outlined in Section III.
- ii) All data collected from the pest detection surveys is entered into the NAPIS database in the timeframes outlined in Section V.
- iii) Maps of the pest detection survey activities are produced to aid in planning of future pest detection surveys, pathway risk analysis, and outreach activities.

E) Methodology used to determine if the results and benefits are achieved:

- i) Review the NAPIS database to ensure that data from the pest detection activities has been entered.
- ii) Review the accomplishment reports, supporting outreach materials (if applicable), and maps.

VI) GEOGRAPHIC LOCATION OF PROJECT

Surveys will be conducted in all eight counties of the state of CT. Data will be provided to the Cooperator's State Regulatory Official (SPRO) for entry into the NAPIS database.

A) Type of terrain:

Nursery and garden areas

B) Features which may have an impact on the project or activity:

None

VII) TAXONOMIC SUPPORT

A) Person or Institution that will screen targets:

Dr. Sharon M. Douglas
123 Huntington St.
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Phone 203-974-8497
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e-mail: Sharon.Douglas@po.state.ct.us

B) CAPS Survey Collection Details:

Target Species	Survey Dates start – end	# Sites	# Traps or visual surveys per site	# Trap Services or Visits	Potential collections
<i>Puccinia horiana</i>	June 1 2008- September 30, 2008	20	10	1	200
<i>Sites x Traps x Services = Potential Collections</i>					

VIII) BUDGET/DETAILED FINANCIAL PLAN

Part III (EPP): Chrysanthemum White Rust Survey (01/01/2008 – 12/31/2008)

Item/description	Calculation	Federal Funds	Cooperator Funds
a) Personnel	State Survey Coordinator	\$ 0.00	\$ 0.00
	Summer Worker (350 hrs. @ \$10.50/hr)	\$ 3675.00	\$ 0.00
	Research assistant (3 mos. @ \$2,720/mo)	\$ 0.00	\$ 8,160.00
	Subtotal	\$ 3675.00	\$ 8,160.00
b) Fringe	33 % of salary	\$ 1213.00	\$ 0.00
	52 % of salary	\$ 0.00	\$ 4,243.00
	Subtotal	\$ 1213.00	\$ 4,243.00
c) Travel		\$ 0.00	\$ 0.00
	Subtotal	\$ 0.00	\$ 0.00
d) Equipment		\$ 0.00	\$ 0.00
	Subtotal	\$ 0.00	\$ 0.00
e) Supplies	misc. laboratory supplies	\$ 125.00	\$ 0.00
	Subtotal	\$ 125.00	\$ 0.00
f) Contractual		\$ 0.00	\$ 0.00
	Subtotal	\$ 0.00	\$ 0.00
g) Construction		\$ 0.00	\$ 0.00
	Subtotal	\$ 0.00	\$ 0.00
h) Other		\$ 0.00	\$ 0.00
	Subtotal	\$ 0.00	\$ 0.00
i) Total Direct Costs		\$ 5013.00	\$ 12,403.00
j) Indirect Costs	32.72 % of salary	\$ 1202.00	\$ 2,670.00
k) TOTAL		\$ 6215.00	\$ 15,073.00
	Cost Share Information	29%	71%

IX) SIGNATURES

State Plant Regulatory Official Date

ADODR Date