United States Department of Agriculture
Animal and Plant Health Inspection Service
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil

Interstate Movement

Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Dr. Sam Livingston	**PERMIT NUMBER:**	P526P-15-03141
ORGANIZATION:	Sunburst Plant Disease Clinic	**APPLICATION NUMBER:**	P526-150911-018
ADDRESS:	677 East Olive Ave. Turlock, CA 95380	**FACILITY NUMBER:**	2617
MAILING ADDRESS:	P.O.Box 667 Turlock, CA 95381	**HAND CARRY:**	No
		DATE ISSUED:	12/02/2015
PHONE:	(209) 667-4442		
FAX:		**EXPIRES:**	**12/02/2018**
DESTINATION:	677 East Olive Ave., Turlock, CA 95380		

Under the conditions specified, this permit authorizes the following:

Article Category: Diagnostic

Regulated Article	Life Stage(s)	Intended Use	Shipment Origins	Originally Collected	Culture Designation
Plant Pathogenic Bacteria	Any	Diagnostic Labs		Originally Collected from USA including territories	
Plant Pathogenic Fungi	Any	Diagnostic Labs		Originally Collected from USA including territories	
Plant Pathogenic Nematodes	Any	Diagnostic Labs		Originally Collected from USA including territories	
Plant Pathogenic Viruses/Viroids	Any	Diagnostic Labs		Originally Collected from USA including territories	
Plant Pathogens	Any	Diagnostic Labs		Originally Collected from USA including territories	

PERMIT GUIDANCE

This permit does not authorize importation or interstate movement, of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your State's Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.

Permit Number P526P-15-03141

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
Grace O'Keefe Grace OKeefe	12/02/2015

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to $250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than $10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx for current country/regional listings) for current country listings.

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml .

If a human pathogen is identified, please see the CDC Etiologic Agent Import Permit Program at http://www.cdc.gov/od/eaipp/ .

PERMIT CONDITIONS

This permit authorizes the interstate movement of infected, infested, or potentially infected plant materials that may contain the organisms listed in this permit, from the continental U.S., Alaska, American Samoa, Washington, D.C., Hawaii, Northern Mariana Islands, Puerto Rico, and U.S. Virgin Island. The permit is issued to Sam Livingston of Sunburst Plant Disease Clinic, located at 677 East Olive Ave., Turlock, CA 95380 (Mailing Address: P.O. Box 667, Turlock, CA 95381). This authorization is strictly for plant disease diagnostic determinations in a controlled laboratory environment and is not valid for plant inoculations. Culture collections and any other laboratory/field research are not authorized under this permit (separate permits are required for such activities). Diagnostic tests on the regulated materials must be carried out in the APHIS-inspected facility #2617. Plant inoculations are not authorized.

1. The permit holder must:
   (a) comply with all requirements and permit conditions;
   (b) maintain a valid permit so long as the regulated organisms are alive;
   (c) not assign or transfer this permit to other persons;
   (d) safeguard and dispose of the regulated organisms during the term of this permit;
   (e) take all necessary precautions to prevent the unauthorized release of regulated organisms (in the event of an unauthorized release, the permit holder must notify the permit unit);
   (f) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms;
   (g) contain any/all organisms not authorized under this permit;
   (h) notify the permit unit of the receipt of unauthorized organisms;
   (i) notify the permit unit if facilities are destroyed or decommissioned for any reason;
   (j) maintain an official permanent work assignment at the address on this permit;
   (k) notify the permit unit in advance of any change in the permit holder's work assignment;
   (l) destroy all regulated organisms prior to departure from the organization unless other arrangements are confirmed by the permit unit prior to parting, and;
   (m) notify the permit unit of the destruction of regulated organisms.

   Notifications to the permit unit must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.
2. This permit does not authorize movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agricultural Select Agent Program (ASAP) immediately by phone at 301-851-3300, and within seven (7) days submit APHIS/CDC Form 4 (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, ASAP; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: http://www.aphis.usda.gov/programs/ag_selectagent/index.shtml). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002.
3. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
4. All operations must be consistent with information submitted in association with the above listed APHIS-designated facility #2617.

Permit Number P526P-15-03141

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
Grace O'Keefe Grace OKeefe	12/02/2015

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to $250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than $10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

5. All samples must be mailed/shipped directly to the permit holder.

   All infected plant material shipped interstate must be packed in double sealable plastic bags or, if viable plant material is required, in cloth or paper bags (or equivalent material). These bags must be transported in an outer shipping container which is rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

   This permit authorizes the shipment of plant material infected with strains isolated in the United States only. FOREIGN ISOLATES ARE PROHIBITED.

   The regulated organism must be packaged for interstate movement in a securely closed, watertight primary container (e.g., test tube, vial, or ampule) that is completely enclosed in a second, durable watertight container (secondary container). Several primary containers may be enclosed in a single secondary container. The space between the primary and secondary containers must contain sufficient nonparticulate absorbent material (e.g., paper towel) to absorb the entire contents of the primary container(s) in case of breakage or leakage. Each set of primary and secondary containers must be enclosed in an outer shipping container which is rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.

   Soil samples are not authorized.

6. Upon receipt, all samples must remain within the approved diagnostic laboratory identified on this permit. Laboratory access is restricted to individuals authorized by the permit holder.
7. All samples must be initially opened and examined within a certified biological safety cabinet (Class II, Type A or equivalent). This type of cabinet uses HEPA filtration. Following initial processing, samples in culture dishes, in microscopic mounts or in equivalently secure containers must be removed from the safety cabinet for subsequent diagnostic determinations. For large samples, bags must be carefully opened outside the biological safety cabinet to obtain smaller samples for subsequent processing in the biological safety cabinet.
8. All samples potentially containing mobile arthropod life stages must be placed in a refrigerator for at least 4 hours upon receipt and prior to opening in the Class II, Type A biological safety cabinet. Following this initial processing, living samples in sealed containers may be removed from the biosafety cabinet for subsequent diagnostic determinations.

   Arthropod specimens that are either preserved in 70 percent alcohol or in another medium (e.g. fixed in glutaraldehyde) may be moved intra- and interstate without further permitting.
9. All packing materials, plant parts, soil, shipping boxes, etc. which contained or were associated with quarantine pests, select agents or other pests of concern must be placed in autoclavable bags and autoclaved prior to disposal.
10. All infected plant materials and samples being temporarily stored prior to identification must be kept in a locked area that is accessible only by authorized personnel.
11. The permit holder or authorized individual must notify APHIS Plant Protection and Quarantine (PPQ) Pest Permitting Branch (PPB) within 10 working days of the confirmation that an organism is identified as (a) a species new to science, (b) an organism not known to occur in the United States, (c) a pathogen managed by an APHIS program (program pest; http://www.aphis.usda.gov/plant_health/plant_pest_info/index.shtml), or (d) a pathogen that is not widely prevalent in the State from which the infected material was obtained (http://www.aphis.usda.gov/plant_health/permits/organism/wpp/index.shtml). Include the permit number, the origins and dates of receipt of the samples, and the identified organism. The notification must be sent to USDA/APHIS/PPQ/RPM/PPB, 4700 River Rd., Unit 133, Riverdale, MD 20737, faxed to 301-734-8700 or emailed to Pest.Permits@aphis.usda.gov Attn: Clarissa Maroon-Lango, as Word, Excel or pdf documents. Notifications must also be sent to the State Plant Health Director (SPHD) and State Plant Regulatory Official (SPRO) of the state of origin of the specific sample within 10 working days (see http://www.aphis.usda.gov/services/report_pest_disease/report_pest_disease.shtml and http://www.nationalplantboard.org/member/index.html for contact information).
12. This authorization is strictly for diagnostic experiments in a controlled environment and is not valid for field research.

Permit Number P526P-15-03141

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
Grace O'Keefe **Grace OKeefe**	**12/02/2015**

13. You must not use the organisms identified under this permit for research purposes unless you hold a valid 526 permit for the specific organisms.

    The culturing of pathogens to develop new diagnostic procedures is not authorized by this permit.

14. Plant inoculations are not authorized.

    Vector transmission is not permitted under this authorization.

    Plant propagations are not permitted under this authorization.

15. If for legal or contractual reasons you must store the cultures for long term, you can keep the cultures as long as cultures are never used except for the occasional reculturing to ensure long term viability.

    Any other use will be a violation of these permit conditions and may result in an APHIS compliance investigation.

16. Upon completion of diagnoses, all infected/infested materials (including soil and collected contaminated water) associated with quarantine pests or other pests of concern must be devitalized by autoclaving, incineration, or other equivalent methods. Glassware and other materials used to conduct research must be decontaminated by soaking in a fresh bleach solution of 10 percent (1:10) for at least 30 minutes, in 70 percent ethanol, with quaternary ammonium compounds, or flamed with ethanol.

17. Autoclave

    a. Waste must be autoclaved at 121 degrees Centigrade (250 degrees Fahrenheit) for a minimum of 30 minutes.

    b. Autoclave tape or other indicators must be placed on each bag or sharps container prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.

    c. The autoclave log must be completed by each user for each autoclave cycle. All parameters must be noted as listed on the log for each autoclave load.

    d. If the autoclave does not attain the minimum time and/or temperature or the autoclave tape does not change color, a notation must be made in the comment section of the autoclave log. The load must then be re-autoclaved after placing new tape on the material. If minimum time and temperature is not attained on the second cycle, users must contact the person responsible for maintaining the unit to initiate repairs. Waste should then be treated at the alternate autoclave facility.

    e. Thermometers on the autoclave must be calibrated annually, and a written record must be maintained. Calibration must be done by an authorized autoclave service company during routine servicing.

    f. Every 6 months, you should use a commercially available test indicator kit that uses bacterial spores Bacillus stearothermophilus that are rendered unviable at 250 degrees F or 121 degrees C. For the test, ampoules of B. stearothermophilus are autoclaved along with a load of waste. Upon completion of the cycle, the ampoules are incubated for 48 hours and then observed for any sign of growth, which would indicate that the autoclave is not sterilizing properly. If any growth is observed, have autoclave serviced and retest.

18. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/ APHIS but must be readily accessible in the event of an inspection and presented upon request.

    Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

Permit Number P526P-15-03141

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
Grace O'Keefe Grace OKeefe	12/02/2015

19. There is to be no further distribution of these organisms without prior approval from State and Federal regulatory officials. A valid permit is required for movement of the regulated materials.
20. Any alteration, forgery or unauthorized use of this permit and associated Federal Forms are subject to civil penalties of up to $250,000 (7 U.S.C.s 7734(b) or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001).

END OF PERMIT CONDITIONS

Permit Number P526P-15-03141

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
Grace OKeefe	12/02/2015

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to $250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than $10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)