



4915 West Monte Cristo Road
Edinburg, Texas 78541
Telephone: 956-383-0739
Facsimile: 956-383-0730

TPSLab.com
AskThePlant.com

INTERNATIONAL SOIL SAMPLE SUBMITTAL & BASIC INSTRUCTIONS

SOIL PERMIT N^o: P330-16-00101 Expires: 03/28/2019

Valid for shipments of soil not heat-treated at the port of entry. A copy of this permit must accompany all shipments.

SAMPLING INSTRUCTIONS:

See detailed instructions for sampling and sample preparation on a link titled, [HOW TO TAKE A SOIL SAMPLE](#) under Soil Testing at www.TPSLab.com.

- Soil Samples must be **less than ½ Kilogram per sample**, *thoroughly dried* and shipped in sturdy, leak-proof containers and double-bagged.
- Damp samples may be placed on plates with a fan blowing on them to speed-up drying. *Do not apply heat* to samples as heat can alter soil chemistry. Ship sample bags in sturdy containers.
- If plastic bags are used, *thoroughly tape around them* to prevent opening or bursting while they are in transit.
- Please identify each sample and show the sample interval with a permanent marker on the outside of the bags. The *sample interval* for most crops is from the surface to 30 cm. If subsoils are required, sample in 30 cm increments (30 - 60, 60 - 90 and 90 - 120 cm). Note that required subsoil depth can vary with crop.
- Provide a history of crops, fertilizers, results and problems, Crops To Be Grown, yield goals desired, Fertilization Practice (Conventional, Sustainable, Organic), Irrigation Method (dryland, furrow, sprinkler, drip, center pivot, etc.) and type of tests desired (see our [Fee Schedule](#)) are required.

This information is critical for accurate analysis, interpretations and recommendations.

SHIPPING INSTRUCTIONS:

Place samples in a sturdy box and ship directly to us via a bonded carrier (DHL, UPS, Federal Express, etc.). **DHL is the preferred carrier.** When shipping, have a copy of the permit and completed [Notice of Arrival](#) attached to the outside of the box for review by USDA inspectors. **One of more of the [PPQ-550 labels](#) must be affixed to the outside of shipping container.**

Send samples to:

**Texas Plant and Soil Laboratory
Attn: Noel Garcia, CCA
4915 West Monte Cristo Road
Edinburg, Texas 78541
U.S.A.**

Please Call (956) 383-0739, Fax (956) 383-0730 or E-mail ngarcia@tpslab.com and advise him of the manifest number and expected date of arrival.

SEE ADDITIONAL USDA INSTRUCTIONS ACCOMPANYING EITHER FORM.

SPECIALISTS IN SOIL FERTILITY, CROP NUTRITION and IRRIGATION WATER MANAGEMENT.
A Full-Service Soil ~ Plant ~ Water ~ Compost ~ Fertilizer and Heavy Metal Analytical and Consulting Agronomic Laboratory

U.S. DEPARTMENT OF AGRICULTURE
 ANIMAL AND PLANT HEALTH INSPECTION SERVICE
 PLANT PROTECTION AND QUARANTINE

NOTICE OF ARRIVAL

INSTRUCTIONS: Immediately upon arrival, the permittee or his agent should prepare original and one copy of this form. Submit copies to the Plant Protection and Quarantine office having jurisdiction over the port of arrival.	1. NAME OF CARRIER
3. NAME OF PERMITEE/CONSIGNEE	2. DATE OF ARRIVAL
	4. PORT OF ARRIVAL
	5. PERMIT NO.
6. PORT OF DEPARTURE	7. CUSTOMS ENTRY NO.
8. CONSIGNOR/SHIPPER (Name and Address)	9. PRESENT LOCATION
	10. COUNTRY AND LOCALITY WHERE GROWN
	11. NAME OF PREVIOUS U.S. PORT (In Transit Only)
	12. LT. NO.(In Transit Shipments Only)

13. DESCRIPTION OF PRODUCT

MARKS, BILL OF LADING, AND/OR CONTAINER NO.	QUANTITY AND NET WEIGHT	COMMODITY
14. SIGNATURE OF IMPORTER OR BROKER	15. FULL BUSINESS ADDRESS OF IMPORTER OR BROKER	
16. DATE SIGNED	TELEPHONE NUMBER (INCLUDE AREA CODE)	

TO BE COMPLETED BY PPQ OFFICAL

17. DISPOSITION OF PRODUCT	
18. SIGNATURE AND TITLE OF PPQ OFFICAL	19. DATE SIGNED

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0579-0049. The time required to complete this information collection is estimated to average .08 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

Instructions for completing PPQ Form 368
Notice of Arrival to import plants or plant products

Please TYPE or PRINT legibly.

1. Name of Carrier: List the name of carrier by identifying the airline with the flight number, ship name with the voyage number, truck and container number used to transport the agricultural product.
2. Date of Arrival: List the date on which the carrier arrives at the port on entry.
3. Name of Permittee/Consignee: List the name and street address of the person responsible for the importation. The applicant must be a United States resident. List the organization or company name, if applicable. A physical address of the facility or business is required. You may include a post office box address **in addition** to the street address for mailing purposes. List your daytime telephone number, including the Area Code. List your facsimile number, including the Area Code. List your email address if applicable.
4. Port of Arrival: List the port on which the carrier arrives.
5. Permit No.: List the USDA-APHIS-PPQ permit if the commodity requires a permit as a condition of entry.
6. Port of Departure: List the name of the port where the carrier originated in the country of origin.
7. Customs Entry No.: List the Customs and Border Protection entry number associated with this shipment.
8. Consignor/Shipper: List the name and street address of the person responsible for the shipping. List the organization or company name, if applicable. A physical address of the facility or business is required. You may include a post office box address **in addition** to the street address for mailing purposes. List your daytime telephone number, including the country code, facsimile number, including the Area Code. List the email address, if applicable.
9. Present Location: List the physical location where the commodity is to be inspected.
10. Country and Locality Where Grown: List Country, Province, State and Location where the commodities were grown.
11. Name of Previous U.S. Port: List If the commodity transited in any country prior to arrival to U.S. port.
12. I.T. No. (In transit shipment only): list the in-bond IT number this shipment is moving under.
13. Description of Product: List the following information in the space provided: Marks, Bill of Lading No., and/or Container No.; Quantity and Net Weight; and the Commodity arriving under this notice of arrival.
14. Signature of Importer or Broker: The person that is responsible for the accuracy of the responses submitted on this form.
15. Full Business Address of Importer or Broker: List the full business address and telephone number of the person whose signatory appears in Block 14.
16. Date Signed: List the date the form is completed and signed, using this format: dd/mm/yyyy.

If attachments are necessary, type or print "PPQ Form 368" along with the Company Name and address of the Importer or Broker, at the top of each page.

Send the completed original signed form to the [CBP Agriculture office](#) or [PPQ port office](#) where the shipment is arriving and making official entry. In the case of IT shipments, send the form to the port of arrival and port of entry.

For assistance with filling out this form, contact:
USDA-APHIS-PPQ-QPAS-Agriculture Quarantine Inspection
4700 River Road, Unit # 60
Riverdale, MD 20737
Phone number (301) 734-8295; ask for a staff officer.

U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE
4700 RIVER ROAD, UNIT 133
RIVERDALE, MD 20737-1236

**SOIL SAMPLES
RESTRICTED ENTRY**

The material contained in this package is imported under authority of 7 CFR 330.300.

For release without treatment if addressee is currently listed as a USDA-APHIS inspected facility.

PPQ FORM 550 (APR 2008)

U.S. DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE
4700 RIVER ROAD, UNIT 133
RIVERDALE, MD 20737-1236

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ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE
4700 RIVER ROAD, UNIT 133
RIVERDALE, MD 20737-1236

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ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE
4700 RIVER ROAD, UNIT 133
RIVERDALE, MD 20737-1236

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ANIMAL AND PLANT HEALTH INSPECTION SERVICE
PLANT PROTECTION AND QUARANTINE
4700 RIVER ROAD, UNIT 133
RIVERDALE, MD 20737-1236

**SOIL SAMPLES
RESTRICTED ENTRY**

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For release without treatment if addressee is currently listed as a USDA-APHIS inspected facility.

PPQ FORM 550 (APR 2008)

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

**Permit to Receive Soil
Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system.

PERMITTEE NAME:	Mr. Noel Garcia	PERMIT NUMBER:	P330-16-00101
COMPANY:	Texas Plant and Soil Laboratory	APPLICATION NUMBER:	P525-161005-002
RECEIVING ADDRESS:	4915 W. Monte Cristo Edinburg, TX 78541	DATE ISSUED:	03/28/2016
MAILING ADDRESS:	4915 W. Monte Cristo Edinburg, TX 78541	DATE AMENDED:	10/07/2016
PHONE:	(956) 383-0739 Ext. 20	EXPIRES:	03/28/2019
FAX:	(956) 383-0730		


PORTS OF ARRIVAL/PLANT INSPECTION STATIONS: AK, Anchorage; AL, Huntsville; AL, Mobile; AZ, Douglas; AZ, Lukeville; AZ, Naco; AZ, Nogales; AZ, Phoenix; AZ, San Luis; AZ, Tucson; CA, Calexico; CA, El Segundo; CA, Fresno; CA, Long Beach; CA, Oakland; CA, Ontario; CA, Otay Mesa; CA, Port Hueneme; CA, Sacramento; CA, San Diego; CA, San Francisco; CA, San Jose; CA, San Ysidro; CA, Tecate; CO, Denver; CT, Hartford; CT, New Haven; DE, Dover; DE, Wilmington; FL, Ft. Lauderdale; FL, Ft. Myers; FL, Ft. Pierce; FL, Jacksonville; FL, Key West; FL, Miami; FL, Miami (Cargo, DHL, Fed Ex, UPS, etc.); FL, Orlando; FL, Pensacola; FL, Port Canaveral; FL, Port Everglades; FL, Sanford; FL, Tampa; FL, West Palm Beach; GA, Atlanta; GA, Savannah; GU, Agana; HI, Hilo; HI, Honolulu; HI, Kahului; HI, Kailua-Kona; HI, Lihue; ID, Eastport; IL, Chicago; IN, Indianapolis; KY, Louisville; MA, South Boston; MD, Baltimore; MD, Beltsville; ME, Bangor; ME, Calais; ME, Houlton; ME, Portland; MI, Detroit; MI, Port Huron; MI, Romulus; MI, Sault Saint Marie; MN, Duluth; MN, Grand Portage; MN, International Falls; MN, Minneapolis; MO, Kansas City; MO, St. Louis; MP, Commonwealth of the Northern Mariana Islands; MS, Gulfport; MS, Port Bienville; MT, Raymond; MT, Roosville; MT, Sweetgrass; NC, Raleigh; NC, Wilmington; ND, Dunseith; ND, Pembina; ND, Portal; NJ, Linden; NM, Albuquerque; NM, Columbus; NM, SantaTeresa; NV, Las Vegas; NY, Albany; NY, Alexandria Bay; NY, Brooklyn; NY, Buffalo; NY, Champlain, Rouses Point; NY, Jamaica; NY, Jamaica; NY, Newburgh; OH, Ashtabula; OH, Cincinnati; OH, Cleveland; OH, Columbus; OH, Toledo; OH, Wilmington; OK, Oklahoma City; OR, Portland; PA, Allentown; PA, Harrisburg; PA, Philadelphia; PA, Pittsburgh; PA, Scranton; PR, Aguadilla; PR, Carolina; PR, Fajardo; PR, Mayaguez; PR, Ponce; RI, Warwick/Providence; SC, Charleston; TN, Memphis; TN, Nashville; TX, Austin; TX, Brownsville; TX, Corpus Christi; TX, Dallas; TX, Del Rio; TX, Eagle Pass; TX, El Paso; TX, Fabens; TX, Falcon; TX, Fort Hancock; TX, Galveston; TX, Hidalgo; TX, Humble; TX, Laredo; TX, Los Indios; TX, Pharr; TX, Port Arthur; TX, Presidio; TX, Progreso; TX, Rio Grande City; TX, Roma; TX, San Antonio; TX, Victoria; UT, Salt Lake City; VA, Dulles; VA, Norfolk; VI, St. Croix; VI, St. Thomas; VT, Berlin; WA, Blaine; WA, Oroville; WA, Port Angeles; WA, SeaTac; WA, Sumas; WI, Green Bay; WI, Milwaukee

HAND CARRY: No

Under the conditions specified, this permit authorizes the following:
Quantity of Soil per Shipment and Treatment
3 lbs or less: Sterilization will interfere with intended use - Your facility MUST be inspected and approved to receive this soil

SPECIAL INSTRUCTIONS TO INSPECTORS
See permit conditions below

Permit Number P330-16-00101

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.  Mark A. Stull	DATE 10/07/2016
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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)

INSTRUCTIONS TO DHS CBP INSPECTORS FOR IMPORTED SOIL SHIPMENTS ROUTED TO RECEIVING FACILITY:

For hand carry of soil, an official of CBP Agricultural Programs and Trade Liaison (APTL) would have been notified to document and facilitate the entry of the soil (See hand carry conditions below if stipulated). Otherwise:

1. Validate the permit in ePermits using the CBP search feature by logging on to:
<https://epermits.aphis.usda.gov/epermits>
2. Confirm that the shipment is being routed directly to a USDA APHIS PPQ Inspected Facility authorized to receive soil by logging on to: <https://web01.aphis.usda.gov/PPQ/AuthSoilLabs.nsf/web?openform>
3. Confirm that the imported shipment has a valid USDA PPQ Form 550 Black/White label.
4. Confirm that the carrier of the shipment imported under this USDA PPQ 525 permit is commercially bonded.
5. For questions or concerns, contact the USDA APHIS PPQ Permit Unit in Riverdale, MD, at 866-524-5421 and ask to speak with a compliance officer.

PERMIT GUIDANCE

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.

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

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.sh](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml)
tml.

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

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.


This permit authorizes the importation of soil from all foreign sources (except countries with sanctions or embargoes by U.S. State Department) only for chemical/ physical analysis in a controlled laboratory environment at the named facility on the permit.

PERMIT CONDITIONS

This permit authorizes the importation of soil from all foreign sources (except countries with sanctions or embargoes by U.S. State Department), and interstate/ domestic movement of soil from Hawaii, the contiguous U.S., the continental U.S., and all U.S. territories only for chemical/ physical analysis in a controlled laboratory environment at the named facility on the permit. It is not authorized for use in field research or release into the environment.

1. This permit is issued only for the named permit holder at the address(s) identified on this permit. This permit cannot be transferred or assigned.


Permit Number P330-16-00101

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p>  <p>Mark A. Stull</p>	<p>DATE</p> <p>10/07/2016</p>
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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)

2. The permit holder verifies United States residency by initialing and accepting these permit conditions. If you are not a United States resident, it is unlawful for you to initial or accept these permit conditions because a USDA 525 soil Permit can only be issued to United States residents.
3. The permit holder is solely responsible for ensuring compliance with all statutory requirements and specifically listed permit conditions. Failure to comply with the terms and conditions of this permit is cause for the following: (a) cancellation of this permit, (b) cancellation of other permits issued to the permit holder, (c) seizure and/or destruction of regulated organisms, (d) denial of future permit applications by this permit holder, (e) liability for civil penalties, and (f) criminal prosecution under provisions in the Plant Protection Act.
4. Any alteration, forgery, unauthorized use of this permit and/or associated Federal Forms are subject to civil and criminal penalties including fines and imprisonment.
5. This permit must not be used for the 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) within one business day 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.
6. If a regulated organism is received in this shipment, the permit holder must take all prudent measures to contain the organism(s) and notify the permit unit within one business day by calling 866-524-5421 or by e-mail to pest.permits@aphis.usda.gov. The permit holder must immediately notify the permit unit of the destruction of regulated organisms received under this permit, as above. Similarly, the permit holder must immediately notify the permit unit if facilities are destroyed or decommissioned for any reason.
7. You as the permit holder are responsible for maintaining a valid permit for as long as the soil is in your possession. APHIS does not issue extensions or renewals of existing permits; the permit holder must submit a new permit application at least three months prior to the expiration of this permit, and obtain a new permit to continue uninterrupted authorization for the soil approved under this permit.
8. If an accidental release into the environment occurs, notification must be made within one business day to APHIS, PPQ, 4700 River Rd., unit 133; Riverdale, MD 20737; 866-524-5421. A written report of the incident must be submitted identifying: (a) the name of the permit holder (responsible person), (b) the permit number, (c) the country or State of origin of the soil, (d) the nature of the release, and (e) measures already taken to contain, reduce or limit the effects of the accidentally released soil. Any plans prepared to contain, reduce or limit the effects of the accidentally released soil may be submitted as developed.
9. 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 soil authorized under this permit.
10. The permit holder must maintain an official permanent work assignment at the address identified on this permit. If the permit holder ceases assignment/affiliation at the address identified on this permit, or personnel circumstances change in any way, then a compliance officer must be notified at the PPQ permit unit immediately (that is, within one business day) by either (a) email to pest.permits@aphis.usda.gov, (b) fax to 301-734-4300 or 8700/5392, or (c) conventional mail to USDA PPQ Permit Unit, 4700 River Road, Riverdale, MD 20737. Should the permit holder depart from the organization/facility, the permit holder must either (a) request cancellation of this permit and comply with all permit-specific termination conditions, (b) apply for and receive a permit to move the soil to a new facility, or (c) relinquish control of the regulated soil to a qualified individual who obtained a permit for the continued use of this regulated soil prior to this permit holder's departure.
11. A copy of this permit must accompany all shipments authorized under this permit.
12. CBP-AI and PPQ have the authority to order and approve treatment, re-exportation or destruction of a shipment, a portion of a shipment or any other material associated with the shipment (i.e. pallets, packaging, and means of conveyance). If an official of CBP-AI or PPQ determines that the shipment requires treatment as a condition of entry, is contaminated with a quarantine plant pest or pests, is commingled with prohibited plant material or the required documentation is incomplete or missing, then that official may order and approve treatment, re-exportation or destruction of a shipment, a portion of a shipment or any other material associated with the shipment (i.e. pallets,

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packaging, means of conveyance).

13. All solid wood packing material (SWPM) accompanying the shipment must be in compliance with ISPM 15 treatment regulations and IPPC stamp requirements and enforcement. Noncompliant shipments will be treated, re-exported or destroyed at the consignee's expense.
14. All costs and arrangements for safeguarding and transportation of the cargo are the responsibility of the importer, broker or other parties associated with the shipment.
15. All operations must be consistent with information submitted in association with the above listed APHIS-PPQ inspected facility and subject to the conditions below.
16. Soil must be shipped in a securely closed, watertight container (primary container, test tube, vial, etc.) which must be enclosed in a second, durable watertight container (secondary container).
17. The shipment must be free from foreign matter or debris, plants and plant parts including noxious weeds and infestations by other macroorganisms such as insects, Cyst nematodes, mollusks and acari. Authorized material found to be commingled with unauthorized material will be subject to the same action (i.e. re-export, destruction) as unauthorized material.
18. The imported article can be released without treatment at the port of entry to the permittee's address listed on the permit or label or to an authorized user only if the final destination is an approved facility listed at <https://web01.aphis.usda.gov/PPQ/AuthSoilLabs.nsf/web?openform>.
19. The soil must not be used in field research or release into the environment before sterilization.

The soil must not be used for isolation or culture of organisms, or for extracting and concentrating organisms from the soil.


The soil must not be used as a growing medium.

20. Further intrastate distribution of soil is not allowed without prior approval from Federal officials [State Plant Health Director or designee] (or from Federal officials with State concurrence): Access the website at <http://www.aphis.usda.gov/ppq/sphd/> for a list of State Plant Health Offices. Access the website at <http://nationalplantboard.org/member/index.html> for a list of State Plant Regulatory Officials.
21. Further distribution of soil across state lines is not allowed without a permit from the receiving State. While in storage, all soil must be kept locked (e.g. in freezer, cabinet) in the approved lab with access limited to authorized personnel or they will be in a restricted access building that requires a key card entry and access is restricted to authorized personnel only; or it must be in locked room restricted to authorized personnel only.
22. The soil must be handled as quarantined material until sterilized. This will include keeping the soil enclosed in containers when not in use and labeling all containers and/or storage areas: "Quarantine Soil- Sterilize Before Disposal"
23. All packing material, media, substrate, and shipping containers must be sterilized or destroyed as approved and prescribed by the permit conditions after removing the soil.
24. All unconsumed soil, containers and effluent must be autoclaved, incinerated or properly sterilized by the permittee at the conclusion of the project as approved and prescribed by the permit conditions.
25. Any water residues (effluent) from the processing of soil samples must be treated by an approved sterilization procedure such as hydroclave or autoclave.
26. All soil residues must be dry-heated, incinerated or autoclaved.

Dry Heat Treatment: use one of the following schedules:

- 110- 120.5 degrees C (230-249 F) for 16 hours
- 121-154 degrees C (250-309 F) for 2 hours
- 154.4 - 192.5 degrees C (310-379 F) for 30 minutes
- 193-220 degrees C (380-429 F) for 4 minutes
- 221-232 degrees C (430-450) for 2 minutes

Permit Number P330-16-00101

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Time starts when the entire sample reaches the required temperature, and a suitable temperature probe must be used for verification.

Autoclave soil and other material using the following conditions:

- a. Soil must be autoclaved at 121 degrees Centigrade (250 degrees Fahrenheit) for a minimum of 30 minutes at 15 psi.
- 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 must then be treated at an alternate autoclave facility that is approved by USDA.
- e. Thermometers on the autoclave must be calibrated annually, and a written record must be maintained. This 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, ampules of *B. stearothermophilus* are autoclaved along with a load of waste. Upon completion of the cycle, the ampules are incubated for 48 hours and then observed for any sign of growth, which indicates insufficient sterilization. If any growth is observed, you must have the autoclave serviced and retested.

Incineration:

With the exception of metal and glass containers, all regulated and associated material must be reduced completely to ash at the end of the incineration cycle.

27. Equipment and supplies used to conduct operations or that have contacted the soil must be decontaminated using one of the following methods:

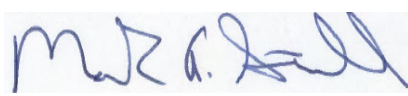
- (a) Material can be soaked in a fresh bleach solution of 10 percent (1:10) for at least 30 minutes. (1:10 is a convention that means 1 in 10 or 1 part 9 parts = 10 parts total, which is a 10 percent solution)
- (b) Material can be soaked in 70 percent ethanol
- (c) Flamed with ethanol
- (d) Treated with quaternary ammonium compounds.

Note also that autoclaving, hydroclave, incineration, and dry heat sterilization are also acceptable sterilization/decontamination methods.

28. Upon issuance of this permit (i.e., a signed PPQ 525), you will need to request the PPQ Form 550 Black/White labels at least 5 days in advance. If you applied online using ePermits, you may request the labels using the My Shipments/Labels feature. Otherwise, send your request to BlackWhiteGreenYellowlabelrequest@aphis.usda.gov. All email requests must come from the permit holder or appointee, if requested by the appointee the permit holder must be Ccd on all requests. Specify the approved port as listed on the permit and the total number of labels needed in multiples of four. You may request additional labels the same way. We will send you the labels by email as a pdf.

A label must be attached with clear tape to the exterior of each package being imported under this permit. The labels will include detailed shipping instructions. You are responsible for instructing your shipper to carefully follow these instructions. You are responsible for each import shipping label issued under this permit. All labels must be printed in color. Failure to do so may result in refused entry or destruction of your package.

Permit Number P330-16-00101

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p>  <p>Mark A. Stull</p>	<p>DATE</p> <p>10/07/2016</p>
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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)

Enclose the following supplemental information in each shipment:

- Permittee Name
- Permit number
- Label number

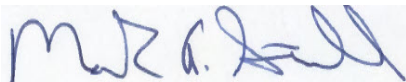
Underlying packaging/wrapping must carry the address, billing, and any other information required to direct the shipment to its final destination (i.e., the permit holder's address; N.B., USDA APHIS does not defray any additional shipping costs incurred for transiting the shipment through an inspection station as the initial US destination).

29. Underlying packaging/wrapping must carry the address, billing, and any other information required to direct the shipment to its final destination (i.e., the permit holder's address; Please note: USDA APHIS does not defray any additional shipping costs incurred for transiting the shipment through an inspection station as the initial US destination).

END OF PERMIT CONDITIONS

Permit Number P330-16-00101

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE
FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Mark A. Stull

DATE

10/07/2016

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