



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

December 20, 2023

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, CA 95688

Dear Anna-Liisa:

This serves to renew State plant pest permit no. 2762. Attached are updated permit conditions as of July 2022.

By this renewal, the expiration date is changed to December 31, 2025.

Sincerely,

Erin Lovig
Senior Environmental Scientist, Supervisor
Permits and Regulations/Environmental Compliance
Plant Health and Pest Prevention Services

cc: Solano County
Joshua Kress
File



CONDITIONS OF STATE DIAGNOSTIC PERMIT

Permit No. 2762

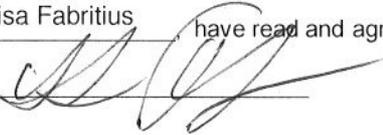
1. This permit is authorized for the isolation and diagnosis of plant pathogens only, excluding citrus canker, citrus variegated chlorosis, or any plant pathogen not known to occur in California. Isolation and culturing of animal pathogens, such as anthrax, hoof and mouth disease, and exotic Newcastle disease, is prohibited and finds of such diseases must be reported to State regulatory officials. All animal pathogens must be destroyed.
2. If work conducted under the State Plant Pest Permit finds any plant pathogen that is not known to occur in California and/or is a quarantine plant pathogen (regardless of origin) not authorized under a valid permit California Department of Food and Agriculture (CDFA), Permits and Regulations Program must be notified within 24 hours at permits@cdfa.ca.gov. Maintenance of these pathogens is prohibited. It is unlawful for any person who is employed or supported using public funds to neglect to report to CDFA the presence in California of any pest that is new to, or not widely distributed in California (FAC 5307).
3. According to the Food and Agricultural Codes, the movement of organisms and plant material from areas under interior quarantine regulations in California is prohibited except under a special permit specifically written for the quarantine pest. For a current list of California Interior Quarantines, please access the Plant Quarantine Manual at the following website: http://pi.cdfa.ca.gov/pqm/manual/html/pqm_index.htm#interior.
4. **A written report of pathogens identified (to the lowest known taxon, including host information and provenance) must be provided semi-annually** to: California Department of Food and Agriculture, Permits and Regulations, 1220 N St. Rm 221, Sacramento, CA 95814 or e-mailed to permits@cdfa.ca.gov. **If a culture collection is authorized under this permit, a list of the cultures kept in storage must also be included in the report sent to CDFA.**
5. All regulated organisms or infected plant material shall be shipped in sturdy, escape-proof containers.
6. The permit number shall be affixed on each shipment package containing permitted organisms.
7. Permittee shall maintain a copy of the state diagnostic permit at the facility where the authorized work will be conducted. The copy of the permit shall be made available to state/county inspectors upon request.
8. Upon the arrival of each shipment of a regulated organism, the permittee shall notify either the Solano County Agricultural Commissioner's Office at (707) 784-1310 or the California Department of Food & Agriculture (CDFA), Permits and Regulations Program via email at permits@cdfa.ca.gov. If the county chooses to waive the notification, CDFA permits office must be notified.



9. Permittee shall maintain a log of all shipments received at the facility identified in this permit. At minimum, the permit log shall include for each shipment the type and number of samples for diagnosis (fungal/bacterial/nematode and/or infected plant), common or scientific name of infected plant material, receiver, name and address of the supplier, date and time of shipment received, date of county notification, and the number of shipments received by the permittee each month. The log shall be made available to county/state inspectors upon request.
10. All packages shall be opened in a laminar flow biosafety cabinet, Class II, Type A, in a secure room to prevent the escape of pathogens and insect pests. All isolations and culture transfers shall be conducted in a laminar flow biosafety cabinet that meets or exceeds Class II, Type A or other safe manner. Organisms, and infected plant material if any, shall be kept and used only within the laboratory or designated area at the permittee's address.
11. No living organisms kept under this permit, inoculated plants, or infected plant material shall be removed from the confined, designated area except by prior approval from state agricultural regulatory officials.
12. Without prior notice and during regular business hours, state and county agricultural regulatory officials shall be allowed to inspect the conditions under which the organisms are kept and used.
13. All necessary precautions must be taken to prevent escape of regulated organisms. In the event of an escape of a regulated organism, the permittee shall immediately notify CDFA Permits and Regulations Program via email at permits@cdfa.ca.gov.
14. Upon completion of pathogen diagnosis, all permitted organisms, inoculated plants, infected plant material (including seeds and plant debris) contaminated soil, cultures, containers, tools, packaging and research material, and anything that has contacted the regulated materials must be treated sufficiently with heat or chemicals by autoclaving, incineration, or other equivalent methods to kill, destroy, or deactivate plant pathogens prior to disposal. 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.
15. No plant inoculations are allowed except for what is necessary for identification purposes. Whenever possible, plant inoculations must be performed in growth chambers. If greenhouse studies are necessary and have been authorized under this permit, access to the greenhouse must be limited to the permittee and only trained staff. Greenhouse doors must be kept closed and locked at all times. Greenhouse studies are only authorized for organisms previously confirmed in the laboratory and by CDFA as not being quarantine pests or new records for the state. Permittee must request approval from CDFA prior to moving permitted organisms to the greenhouse.
16. Greenhouse must be screened to prevent vector entry or escape. Ongoing monitoring of potential vectors is mandatory. Insect control must be in practice at all times including pesticide spraying and use of sticky traps.
17. No vector transmission is permitted. If inoculation is necessary for virus diagnostics, only mechanical inoculation is allowed.

18. There is to be no further distribution of these organisms without prior approval from State regulatory officials.
19. The permittee will report permit related problems by e-mail within three days of the occurrence to the California Department of Food and Agriculture, Permits and Regulation Program at permits@cdfa.ca.gov.
20. This permit is issued only for the named permit holder at the address identified on this permit and cannot be transferred or assigned. If the permit holder ceases to be employed at this location where the organisms received under this permit are kept, the permit holder must destroy the organisms unless a new individual submits a Form 66-026, obtains a permit prior to the permittee's departure, and assumes responsibility for the continued maintenance of the authorized organisms.
21. Failure to comply with the conditions of this permit or the detection of any quarantine actionable live plant pest in any shipment authorized by this permit shall be sufficient cause for immediate revocation of this permit.

I, Anna-Liisa Fabritius have read and agree to these permit conditions.

Signature: 

Date: 12/20/2023



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

April 30, 2021

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, CA 95688

Dear Anna-Liisa:

This serves to renew State plant pest permit no. 2762. Attached are updated diagnostic permit conditions as of March 2020.

By this renewal, the expiration date is changed to December 31, 2023.

Sincerely,

Erin Lovig
Senior Environmental Scientist, Supervisor
Permits and Regulations/Environmental Compliance
Plant Health and Pest Prevention Services

cc: Solano County
Joshua Kress
File



PHYTOPHTHORA CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 65F

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	State of origin	Date Stored
P01	Phytophthora capsici	UCR 1319	CA	3/21/18 (from 4/16/14)
P02	Phytophthora capsici	From zucchini	CA	3/21/18 (from 4/16/14)
P03	Phytophthora medigadensis	UCR P10138	CA	3/21/18 (from 11/15/16)
P04	Phytophthora medigadensis	UCR P7029	CA	4/16/14
P05	Phytophthora cactorum	3921-Young Walnut Root	CA	3/21/18 (from 7/18/2014)
P06	Phytophthora capsici	Unknown	CA	6/4/09
P07	Phytophthora capsici	UCR 19269	CA	4/16/14
P08	Phytophthora citricola	CA Soil, 2011	CA	3/21/18 (from 4/16/14)
P09	Phytophthora cactorum	8323-2 (strawberry, Santa Maria)	CA	3/21/18 (from 11/15/16)
P10	Phytophthora capsici	9845-2E (pepper, Dixon)	CA	3/21/18 (from 11/15/16)
P11	Phytophthora cinamomi	14900-1CB grapevine soil	Napa, CA	9/21/18
P12	Phytophythium sp.	14098-1A grapevine plant	Monterey, CA	9/11/18
P13	Phytophythium sp.	14098-5A grapevine plant	Monterey, CA	9/11/18
P14	Phytophthora megasperma	A-172 olive soil	CA	4/29/20
P15	Phytophthora medigadensis	A-684 alfalfa	Yolo, CA	5/27/20
P16	Phytophthora cinnamomi	A-1032-1C almond soil	Fresno, CA	6/18/20

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Added	Date Stored
F01	<i>Cytospora pistaciae</i>	UCD K443	California	10/8/18	10/11/18 (x4)
F02	<i>Cytospora plurivora</i>	UCD K1452	California	10/8/18	10/11/18 (x4)
F03	<i>Cytospora eucalypticola</i>	UCD K1585	California	10/8/18	10/11/18 (x4)
F04	<i>Cytospora sorbicola</i>	UCD K158	California	10/8/18	10/11/18 (x4)
F05	<i>Eutypa lata</i>	UCD Napa 209	California	10/8/18	10/11/18 (x4)
F06	<i>Diplodia seriata</i>	UCD Sben 831	California	10/8/18	10/11/18 (x4)
F07	<i>Phaeoconiella chlamydospora</i>	UCD C25	California	10/8/18	10/11/18 (x4)
F08	<i>Neofusicum parvum</i>	UCD 64650	California	10/8/18	10/11/18 (x4)
F09	<i>Togninia minima</i>	UCD CR PA4	California	10/8/18	10/11/18 (x4)
F10	<i>Diaporthe ampelina</i>	UCD Wolf 912	California	10/8/18	10/11/18 (x4)
F11	<i>Diaporthe ampelina</i>	UCD Wolf 911	California	10/8/18	10/11/18 (x4)
F12	<i>Armillaria mellea</i>	UCD Lake 304	California	10/8/18	10/11/18 (x4)
F13	<i>Diaporthe eres</i>	14744-1A Walnut Fruit Lesion	Colusa County, CA	8/12/18	10/11/18 (x4)
F14	<i>Macrophomina phaseolina</i>	15050-1A Canteloupe Crown	Yolo County, CA	9/21/18	10/11/18 (x4)
F15	<i>Diatrypaeae sp.</i>	14870-1C1 Deodar Cedar, branch	Santa Barbara County, CA	8/24/18	10/11/18 (x4)
F16	<i>Phomopsis sp.</i>	14887-1B Almond Hull	Fresno County, CA	8/28/18	10/12/18 (x4)
F17	<i>Diaporthe novem</i>	14918-1A Almond Branch	Fresno County, CA	9/1/18	10/12/18 (x4)
F18	<i>Botryosphaeria sp.</i>	14796-1 Olive Leaf	Sonoma County, CA	8/16/18	10/12/18 (x4)
F19	<i>Diatrypaeae sp.</i>	15020-1A Olive	Butte County, CA	9/18/18	10/12/18 (x4)
F20	<i>Diatrypaeaceae sp.</i>	15020-1B Olive	Butte County, CA	9/18/18	10/12/18 (x4)

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Added	Date Stored
F21	<i>Eutypa</i> sp.	14839-2A Grape	San Benito County, CA	8/22/18	10/12/18 (x4)
F22	<i>Eutypa</i> sp.	14839-1B Grape	San Benito County, CA	8/22/18	10/12/18 (x4)
F23	<i>Botryosphaeria</i> sp.	15088-4C Grape Crown	Texas	9/28/18	10/12/18 (x4)
F24	<i>Neofusicoccum mediterraneum</i>	14956-1B Walnut Stem	Solano County, CA	9/6/18	10/17/18 (x4)
F25	<i>Alterneria arborescens/alternata</i>	14744-1M Almond Leaf	Colusa County, CA	8/12/18	10/17/18 (x4)
F26	<i>Alterneria</i> sp.	14744-1O Almond Leaf	Colusa County, CA	8/12/18	10/17/18 (x4)
F27	<i>Alterneria</i> sp./ <i>alternata</i>	14744-1R Almond Leaf	Colusa County, CA	8/12/18	10/17/18 (x4)
F28	<i>Diaporthe</i> sp.	15060-1A Grape Roots	Fresno County, CA	9/24/18	10/17/18 (x4)
F29	<i>Diaporthe</i> sp.	15060-1B Grape Roots	Fresno County, CA	9/24/18	10/17/18 (x4)
F30	<i>Diaporthe</i> sp.	14900-1C Grape Roots	Napa County, CA	8/29/18	10/17/18 (x4)
F31	<i>Armillaria mellea</i>	15080-1A Grape Crown	Napa County, CA	8/29/18	10/17/18 (x4)
F32	<i>Lasioidiplodia citricola</i>	UCD	California	1/20/18	10/22/18 (x4)
F33	<i>Fusarium oxysporum</i>	Cannabis 12/19/16	Unkown	12/19/16	10/22/18 (x4)
F34	<i>Cylindrocarpon</i> sp.	13684-3 Grape Roots	Riverside County, CA	2/23/18	10/22/18 (x4)
F35	<i>Sclerotinia sclerotiorum</i>	Nugget May, 2011	Unknown	2011	10/22/18 (x4)
F36	<i>Neofusicoccum mediterraneum</i>	UCD	California	1/20/18	10/23/18 (x4)
F37	<i>Fusarium oxysporum</i>	Lettuce 6/4/09	Unknown	6/4/09	10/23/18 (x4)
F38	<i>Neofusicoccum parvum</i>	UCD	California	1/20/18	10/23/18 (x4)
F39	<i>Verticillium dahliae</i>	Strawberry 4/4/10	Unknown	4/4/10	10/23/18 (x4)
F40	<i>Verticillium dahliae</i>	Lettuce B1-10 Race 1	Unknown	Unknown	10/23/18 (x4)

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Added	Date Stored
F41	Verticillium dahliae	Strawberry 4/4/10	Unknown	4/4/10	10/23/18 (x4)
F42	Verticillium dahliae	Lettuce C1-10 3/7/11	Unknown	3/7/11	10/23/18 (x4)
F43	Verticillium dahliae	Non-defoliating Gh 1015 USDA	California	11/2/18	10/29/18 (x4)
F44	Verticillium dahliae	Race 1 Non-defoliating Ls 16 USDA	California	11/2/18	10/29/18 (x4)
F45	Verticillium dahliae	Race 2 Ls 17 USDA	California	11/2/18	10/29/18 (x4)
F46	Verticillium dahliae	Cotton defoliating strain Gh 1021 USDA	California	11/2/18	10/29/18 (x4)
F47	Phoma herbarum	15134-2B Almond Trunk	Kern County, CA	10/8/18	10/29/18 (x4)
F48	Fusarium oxysporum	13914-2 Watermelon Seed	Florida	4/26/18	10/29/18 (x4)
F49	Cylindrocarpon sp.	13684-2 Grape Roots	Riverside County, CA	2/23/18	10/29/18 (x4)
F50	Fusarium oxysporum	Tomato 10/21/15 7154-1-A1	Fresno County, CA	10/21/15	10/29/18 (x4)
F51	Fusarium oxysporum	Unk. Origin	Unknown	Unkown	10/29/18 (x4)
F52	Sclerotinia sclerotiorum	Nugget Cauliflower 6/16/11	Unknown	6/16/11	10/29/18 (x4)
F53	Neoscytalidium hyalinum	13684-2A Grape G.U.	Riverside County, CA	2/23/18	10/29/18 (x4)
F54	Rhizopycnis vagum	15204-1C Watermelon Root	Yolo County, CA	10/15/18	11/6/18 (x4)
F55	Cylindrocarpon sp.	15287-1 Roots Isolate 1	Napa County, CA	11/2/18	11/15/18 (x4)
F56	Cylindrocarpon sp.	15287-1 Roots Isolate 2	Napa County, CA	11/2/18	11/15/18 (x4)
F57	Cytospora viticola	15472 Grapevine, Woody Canes	Iowa	11/15/18	1/15/19 (x4) 2/6/19 (x4)
F58	Moniella laxa	16027-1 Flower	Colusa County, CA	3/11/19	4/19/19 (x4)
F59	Verticillium tricorpus	16261-1 Artichoke	San Luis Obispo, CA	5/6/19	5/26/19 (x4)
F60	Colletotrichum sp.	Almond Leaf 16358-C1A	Colusa County, CA	5/22/19	5/26/19 (x4)

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Added	Date Stored
F61	Verticillium dahliae	tomato A-869	Solano County, CA	7/2/20	7/2/20
F62	Phomopsis sp.	Cannabis A-2205	Mendocino County, CA	12/20/20	12/20/20
F63	Armillaria gallica	Cannabis 15389	Mendocino County, CA	12/20/20	12/20/20
F64					
F65					
F66					
F67					
F68					
F69					
F70					
F71					
F72					
F73					
F74					
F75					
F76					
F77					
F78					
F79					
F80					

12/23/20

BACTERIAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Morphology	Date Stored	Origin Date
A01	<i>Clavibacter michiganensis michiganensis</i>	From tomato 239, Hassan Bolkan, Campbell Soup, CA	Yellow color, creamy	8/5/20 (x4)	Pre 2015
A02	<i>Pseudomonas syringae pv tomato</i>	From tomato, PST-9-4, Hassan Bolkan, Campbell Soup, CA	Green Fluorescence	2/20/19 (x4)	Pre 2015
A03	<i>Pseudomonas syringae pv syringae</i>	From bean, 02:M308B, Liz, Idaho SDA	Green Fluorescence	2/20/19 (x4)	Pre 2015
A04	<i>Pseudomonas syringae pv syringae</i>	From lilac, 98:M6, Liz, Idaho SDA	Green Fluorescence	2/20/19 (x4)	Pre 2015
A05	<i>Pseudomonas syringae pv syringae</i>	From Bean, 97:M225, Liz, Idaho SDA	Green Fluorescence	2/20/19 (x4)	Pre 2015
A06	<i>Erwinia amylovora (Fire Blight)</i>	Pear, CA	White	8/5/20 (x4)	Pre 2015
A07	<i>Olea europaea (Olive knot)</i>	15859 -1 Olive, Fresno County CA	Cream, Flat	2/20/19 (x4)	Feb, 2019
A08	<i>Rhizobium rhizogenes (A. rhizogenes)</i>	907 Raspberry root wash, New York	Blue tint	2/25/19 (x4)	Pre 2015
A09	<i>Rhizobium rhizogenes (A. rhizogenes)</i>	936 Rose gall, New York	Blue tint	2/25/19 (x4)	Pre 2015
A10	<i>Rhizobium rhizogenes (A. rhizogenes)</i>	978 pussy willow gall, New York	Blue tint	2/25/19 (x4)	Pre 2015
A11	<i>Rhizobium radiobacter (A. tumefaciens)</i>	Grape, Cornell University, Tom Burr CG628, biovar 1	Yellowish	2/25/19 (x4)	Pre 2015
A12	<i>Rhizobium radiobacter (A. tumefaciens)</i>	Grape, Cornell University, Tom Burr CG653, biovar 1	Yellowish	2/25/19 (x4)	Pre 2015
A13	<i>Agrobacterium vitis (Rhizobium vitis)</i>	CG49 Tom Burr, Cornell University	Clear w/ red center	2/27/19 (x4)	July, 2007
A14	<i>Xanthomonas campestris pv vesicatoria</i>	From Tomato, 024XCVT, Hassan Bolkan Campbell soup, CA	Yellow w/ halo	3/4/19 (x4)	Pre 2015
A15	<i>Xanthomonas campestris pv phaseoli</i>	Bean, B464 Dr. Howard Schwartz, CSU	Yellow w/ halo. Small	3/4/19 (x4)	Pre 2015
A16	<i>Xanthomonas campestris pv. juglandis</i>	Walnuts, CA	Yellow w/ halo. Small	3/4/19 (x4)	Pre 2015
A17	<i>Xanthomonas campestris pv. juglandis</i>	Walnuts, CA	Yellow w/ halo. Small	3/4/19 (x4)	Pre 2015
A18	<i>Xanthomonas campestris pv. campestris</i>	From seed, CA LBK	Yellow w/ halo	3/4/19 (x4)	Aug, 2007
A19	<i>Rhodococcus fasciens</i>	6205-1 pistachio, Kern County, CA	Orange	3/4/19 (x4)	May, 2015
A20	<i>Rhodococcus fasciens</i>	6201-2A1 Pistachio Rootstock, Sacramento County, CA	Coral	3/4/19 (x4)	May, 2015
A21	<i>Xanthomonas campestris pv. juglandis</i>	Walnuts, CA	Yellow color, creamy	10/7/20	Jan, 2020
A22	<i>Xanthomonas hortorum</i>	17676 carrot seed	Yellow color, creamy	10/7/20	Jan, 2020
A23					
A24					
A25					



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

December 10, 2018

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, California 95688

Dear Anna-Liisa:

This serves to amend and renew State plant pest diagnostic permit no. 2762.

By this amendment, 56 new fungal isolates have been added to the existing list of pathogens as stated on attached three-page document, dated December 7, 2018. In addition, *Phytophthora cinnamomi* has been added to the culture collection.

By this renewal the expiration date is changed to December 31, 2020

Sincerely,

Dean G. Kelch, Ph.D.
Senior Environmental Scientist, Supervisor
Permits and Regulations/Environmental Compliance
Plant Health and Pest Prevention Services

cc: Solano County
File



FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Stored
F01	<i>Cytospora pistaciae</i>	UCD K443	California	10/11/18 (x4)
F02	<i>Cytospora plurivora</i>	UCD K1452	California	10/11/18 (x4)
F03	<i>Cytospora eucalypticola</i>	UCD K1585	California	10/11/18 (x4)
F04	<i>Cytospora sorbicola</i>	UCD K158	California	10/11/18 (x4)
F05	<i>Eutypa lata</i>	UCD Napa 209	California	10/11/18 (x4)
F06	<i>Diplodiae seriata</i>	UCD Sben 831	California	10/11/18 (x4)
F07	<i>Phaeomoniella chlamydospora</i>	UCD C25	California	10/11/18 (x4)
F08	<i>Neofusiccum parvum</i>	UCD 64650	California	10/11/18 (x4)
F09	<i>Togninia minima</i>	UCD CR PA4	California	10/11/18 (x4)
F10	<i>Diaporthe ampelina</i>	UCD Wolf 912	California	10/11/18 (x4)
F11	<i>Diaporthe ampelina</i>	UCD Wolf 911	California	10/11/18 (x4)
F12	<i>Armillaria mella</i>	UCD Lake 304	California	10/11/18 (x4)
F13	<i>Diaporthe eres</i>	14744-1A Walnut Fruit Lesion	Colusa County, CA	10/11/18 (x4)
F14	<i>Macrophomina phaseolina</i>	15050-1A Canteloupe Crown	Yolo County, CA	10/11/18 (x4)
F15	<i>Diatrypaceae sp.</i>	14870-1C1 Deodar Cedar, branch	Santa Barbara County, CA	10/11/18 (x4)
F16	<i>Phomopsis sp.</i>	14887-1B Almond Hull	Fresno County, CA	10/12/18 (x4)
F17	<i>Diaporthe novem</i>	14918-1A Almond Branch	Fresno County, CA	10/12/18 (x4)
F18	<i>Botryosphaeria sp.</i>	14796-1 Olive Leaf	Sonoma County, CA	10/12/18 (x4)
F19	<i>Diatrypaceae sp.</i>	15020-1A Olive	Butte County, CA	10/12/18 (x4)
F20	<i>Diatrypaceae sp.</i>	15020-1B Olive	Butte County, CA	10/12/18 (x4)

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin	Origin Location	Date Stored
F21	<i>Eutypa</i> sp.	14839-2A Grape	San Benito County, CA	10/12/18 (x4)
F22	<i>Eutypa</i> sp.	14839-1B Grape	San Benito County, CA	10/12/18 (x4)
F23	<i>Botryosphaeria</i> sp.	15088-4C Grape Crown	Texas	10/12/18 (x4)
F24	<i>Neofusicoccum mediterraneum</i>	14956-1B Walnut Stem	Solano County, CA	10/17/18 (x4)
F25	<i>Alterneria arborescens/alternata</i>	14744-1M Almond Leaf	Colusa County, CA	10/17/18 (x4)
F26	<i>Alterneria</i> sp.	14744-1O Almond Leaf	Colusa County, CA	10/17/18 (x4)
F27	<i>Alterneria</i> sp./ <i>alternata</i>	14744-1R Almond Leaf	Colusa County, CA	10/17/18 (x4)
F28	<i>Diaporthe</i> sp.	15060-1A Grape Roots	Fresno County, CA	10/17/18 (x4)
F29	<i>Diaporthe</i> sp.	15060-1B Grape Roots	Fresno County, CA	10/17/18 (x4)
F30	<i>Diaporthe</i> sp.	14900-1C Grape Roots	Napa County, CA	10/17/18 (x4)
F31	<i>Armillaria mella</i>	15080-1A Grape Crown	Napa County, CA	10/17/18 (x4)
F32	<i>Lasiodiplodia citricola</i>	UCD	California	10/22/18 (x4)
F33	<i>Fusarium oxysporum</i>	Cannabis 12/19/16	Unkown	10/22/18 (x4)
F34	<i>Cylindrocarpon</i> sp.	13684-3 Grape Roots	Riverside County, CA	10/22/18 (x4)
F35	<i>Sclerotinia sclerotiorum</i>	Nugget May, 2011	Unknown	10/22/18 (x4)
F36	<i>Neofusicoccum medieterraneum</i>	UCD	California	10/23/18 (x4)
F37	<i>Fusarium oxysporum</i>	Lettuce 6/4/09	Unknown	10/23/18 (x4)
F38	<i>Neofusicoccum parvum</i>	UCD	California	10/23/18 (x4)
F39	<i>Verticillium dahliae</i>	Strawberry 4/4/10	Unknown	10/23/18 (x4)
F40	<i>Verticillium dahliae</i>	Lettuce B1-10 Race 1	Unknown	10/23/18 (x4)

FUNGAL CULTURE COLLECTION - AL&L CROP SOLUTIONS, INC. - STORED @ 4C

7769 N. Meridian Road, Vacaville, CA 95688

ID#	Organism	Origin		Date Stored
F41	Verticillium dahliae	Strawberry 4/4/10	Unknown	10/23/18 (x4)
F42	Verticillium dahliae	Lettuce C1-10 3/7/11	Unknown	10/23/18 (x4)
F43	Verticillium dahliae	Non-defoliating Gh 1015 USDA	California	10/29/18 (x4)
F44	Verticillium dahliae	Race 1 Non-defoliating Ls 16 USDA	California	10/29/18 (x4)
F45	Verticillium dahliae	Race 2 Ls 17 USDA	California	10/29/18 (x4)
F46	Verticillium dahliae	Cotton defoliating strain Gh 1021 USD	California	10/29/18 (x4)
F47	Phoma herbarum	15134-2B Almond Trunk	Kern County, CA	10/29/18 (x4)
F48	Fusarium oxysporum	13914-2 Watermelon Seed	Florida	10/29/18 (x4)
F49	Cylindrocarpon sp.	13684-2 Grape Roots	Riverside County, CA	10/29/18 (x4)
F50	Fusarium oxysporum	Tomato 10/21/15 7154-1-A1	Fresno County, CA	10/29/18 (x4)
F51	Fusarium oxysporum	Unk. Origin	Unknown	10/29/18 (x4)
F52	Sclerotinia sclerotiorum	Nugget Cauliflower 6/16/11	Unknown	10/29/18 (x4)
F53	Neoscytalidium hyalinum	13684-2A Grape G.U.	Riverside County, CA	10/29/18 (x4)
F54	Rhizopycnis vagum	15204-1C Watermelon Root	Yolo County, CA	11/6/18 (x4)
F55	Cylindrocarpon sp.	15287-1 Roots Isolate 1	Napa County, CA	11/15/18 (x4)
F56	Cylindrocarpon sp.	15287-1 Roots Isolate 2	Napa County, CA	11/15/18 (x4)
F57				
F58				
F59				
F60				



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE
Karen Ross, Secretary

August 2, 2017

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, California 95688

Dear Anna-Liisa:

This serves to amend State plant pest diagnostic permit no. 2762.

By this amendment, maintenance of the fungal cultures, *Sclerotinia sclerotiorum*, *Verticillium dahliae*, *Fusarium oxysporum*, *Neofusicoccum parva*, *Neofusicoccum mediterranium*, and *Lasiodiplodia citricola* is authorized.

Sincerely,

Dean G. Kelch, Ph.D.
Senior Environmental Scientist, Supervisor
Permits and Regulations/Environmental Compliance
Plant Health and Pest Prevention Services

cc: Solano County
Duane Schnabel
File





CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

December 15, 2016

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, California 95688

Dear Anna-Liisa:

This serves to renew State plant pest permit no. 2762.

By this renewal, the expiration date is changed to December 31, 2018. Please review attached Standard Conditions of State Diagnostic Permit, as they have changed since permit was last renewed.

Sincerely,

Dean G. Kelch, Ph.D.
Senior Environmental Scientist, Supervisor
Permits and Regulations/Environmental Compliance
Plant Health and Pest Prevention Services

cc: Solano County
Duane Schnabel
PPDC
File





CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

July 2, 2015

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
7769 N. Meridian Road
Vacaville, California 95688

Dear Anna-Liisa:

This serves to amend State plant pest diagnostic permit no. 2762.

By this amendment, maintenance of the bacterial cultures (A51-A64) shown on the attached list is authorized.

Sincerely,

Laura O. Petro, M.S.
Environmental Program Manager I
Permits and Regulations
Plant Health and Pest Prevention Services

cc: Solano County
Duane Schnabel
PPDC
File



			C	P		
A51	<i>Rhodococcus fascians</i>	6205-1, Kern County California	x			
A52	<i>Rhodococcus</i> sp.	6201-2A1 pistachio rootstock, Sacramento		x		
A53	<i>Xanthomonas campestris</i> pv. <i>jugulandis</i>	walnuts, CA		x		
A54	<i>Rhodococcus fascians</i> (pistachio)	6373-1 CA	x			
A55	<i>Rhodococcus fascians</i> (pistachio)	6373-5 CA	x			
A56	<i>Rhodococcus fascians</i> (pistachio)	6373-8 CA	x			
A57	<i>Rhodococcus fascians</i> (pistachio)	6373-9 CA	x			
A61	<i>Xanthomonas campestris</i> pv. <i>jugulandis</i>	walnuts, CA		x		
A62	<i>Xanthomonas campestris</i> pv. <i>jugulandis</i>	walnuts, CA		x		
A63	<i>Xanthomonas campestris</i> pv. <i>jugulandis</i>	walnuts, CA		x		
A64	<i>Erwinia amylovora</i>	apple, Davis, CA		x		

C = Culture

P = Plant



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

December 22, 2014

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
45133 County Road 32B
Davis, California 95618

Dear Anna-Liisa:

This serves to amend and renew State plant pest diagnostic permit no. 2762.

By this amendment, it is acknowledged that as of January 5, 2015, the facility and mailing address will be changed to 7769 North Meridian Road, Vacaville, 95688. New phone number: 707-693-3050.

By this renewal, the expiration date is changed to December 31, 2016.

Sincerely,

Laura O. Petro, M.S.
Acting Environmental Program Manager I
Permits and Regulations
Plant Health and Pest Prevention Services

cc: Solano County
Duane Schnabel
PPDC
File





CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

July, 16, 2014

Anna-Liisa Fabritius
AL&L Crop Solutions
45133 County Road 32B
Davis, California 95618

Dear Anna-Liisa:

This serves to amend State plant pest permit no. 2762.

This amendment authorizes maintenance of the following *Phytophthora* cultures: *P. capsici*, *P. medicaginis*, *P. cactorum*, *P. nicotianae*, and *P. citricola*.

Also, by this amendment, *Grapevine leafroll associated virus 7 (GLRaV-7)* and *Grapevine virus D (GVD)* are added to the list of grapevine virus controls authorized under this permit.

Sincerely,

Stephen S. Brown
Special Assistant
Permits and Regulations
Plant Health and Pest Prevention Services

cc: Yolo County
Duane Schnabel
PPDC
File





CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

December 21, 2012

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
45133 County Road 32B
Davis, California 95618

Dear Anna-Liisa:

This serves to amend and renew State plant pest diagnostic permit no. 2762.

By this amendment, maintenance of the grapevine viruses shown on the attached list entitled, Grapevine virus controls at AL&L Crop Solutions, Inc., is authorized.

By this renewal, the expiration date is changed to December 31, 2014

Sincerely,

Stephen S. Brown
Special Assistant
Permits and Regulations
Plant Health and Pest Prevention Services

cc: Yolo County
Courtney Albrecht
Amber Morris
PPDC
File



<p align="center">Grapevine virus controls at AL&L Crop Solutions, Inc. 45133 County Rd 32B, Davis, CA 95618</p>						
ID#	Organism	Established in California	Culture (C)/plant (P)			
			C	P		
1.	Grapevine leafroll associated virus 1 (GLRaV-1)	x		x		
2.	Grapevine leafroll associated virus 2 (GLRaV-2)	x		x		
3.	Grapevine leafroll associated virus 3 (GLRaV-3)	x		x		
4.	Grapevine leafroll associated virus 4 (GLRaV-4)	x		x		
5.	Grapevine leafroll associated virus 5 (GLRaV-5)	x		x		
6.	Grapevine leafroll associated virus 9 (GLRaV-9)	x		x		
7.	Grapevine leafroll associated virus, Carnelian (GLRaV-Car)	x		x		
8.	Grapevine leafroll associated virus 2-Red Globe strain (GLRaV-2-RG)	x		x		
9.	Grapevine fanleaf virus (GFLV)	x		x		
10.	Tomato ringspot virus (ToRSV)	x		x		
11.	Grapevine fleck virus (GFkV)	x		x		
12.	Rupestris stem pitting associated virus (RSPaV)	x		x		



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

March 9, 2011

Anna-Liisa Fabritius
AL&L Crop Solutions, Inc.
45133 County Road 32B
Davis, California 95618

Dear Anna-Liisa:

This serves to amend diagnostic permit no. 2762, which authorizes the intrastate movement and receipt of pathogenic plant material and soil from various California suppliers for plant disease diagnosis/identification in the laboratory.

By this amendment, maintenance of the bacterial cultures shown on the attached list is authorized. These cultures may be distributed to researchers who hold a valid State plant pest permit.

All other terms and conditions of this permit remain in full force and effect.

Sincerely,

Stephen S. Brown
Special Assistant
Permits and Regulations
Plant Health and Pest Prevention Services

cc: Yolo County
Courtney Albrecht
PPDB
File



ITEMS THAT ARE LINED THROUGH ARE NOT AUTHORIZED UNDER THIS PERMIT AND MUST BE MAINTAINED UNDER A FEDERAL (USDA) PERMIT

Bacterial Culture Collection AL&L Crop Solutions, Inc.					
45133 County Rd 32B, Davis, CA 95618					
ID#	Organism	Origin	Culture (C)/plant (P)		
			C	P	
A01	A. vitis (Rhizobium vitis)	CG49 Tom Burr, Cornell University 7/3/07, nop+	x		
A02	A. vitis (R. vitis)	6959-3a grapevine gall, Virginia, 06 vir. unknown opine type		x	
A03	A. vitis (R. vitis)	6959-3b, grapevine gall, Virginia, 06 vir. unknown opine type		x	
A04	X. c. campestris	From seed, CA LBK, 8/2007		x	
A05	X. c. campestris	From seed, CA, LBK, 8/2007		x	
A06	X. c. campestris	From seed, CA, LBK, 8/2007		x	
A07	C. m. michiganensis	From tomato, 239, Hassan Bolkan, Campbell Soup, CA	x		
A08	X. c. vesicatoria	From tomato, 024XCVT, Hassan Bolkan, Campbell Soup, CA	x		
A09	P. syringae pv tomato	From tomato, PST-9-4, Hassan Bolkan, Campbell Soup, CA	x		
A10	P. s. pv. syringae	From bean, 02:M308B, Liz, Idaho SDA	x		
A11	P. s. pv. syringae	From lilac, 98:M6, Liz, Idaho SDA	x		
A12	P. s. pv. syringae	From bean, 97:M225, Liz, Idaho SDA	x		
A13	A. vitis (Rhizobium vitis)	Grape crown, Ca 7072-2B, LBK, 8/2007, nop/oct+		x	
A14	A. vitis (R. vitis)	Grape crown, CA 7072-4A, LBK, 8/2007, nop/oct+		x	
A15	A. vitis (R. vitis)	Grape, S4, Cornell University, Tom Burr, vitopine+	x		
A16	A. vitis (R. vitis)	Grape, S4, Cornell University Tom Burr, vitopine+	x		
A17	A. tumefaciens (R. radiobacter)	C58, biovar 1, Cornell University Tom Burr, non-pathogenic?	x		
A18	A. tumefaciens (R. radiobacter)	Grape, Cornell University, Tom Burr CG628, biovar 1	x		
A19	A. tumefaciens (R. radiobacter)	Grape, Cornell University Tom Burr CG653, biovar 1,	x		
A20	P. syringae pv. coriandricola	Coriander, Steve Koike CA	x		
A21	P. s. pv. coriandricola	Coriander, Steve Koike CA	x		
A22	P. s. pv. coriandricola	Coriander seed, CA 7266-1D2, LBK, 12/07		x	
A23	P. s. pv. coriandricola	Coriander seed, CA 7266-1D6, LBK, 12/07		x	
A24	P. s. pv. coriandricola	Coriander, UCR 0790-2 CA	x		
A25	P. s. pv. coriandricola	Coriander, UCR 0790-2 CA			

ITEMS THAT ARE LINED THROUGH ARE NOT AUTHORIZED UNDER THIS PERMIT AND MUST BE MAINTAINED UNDER A FEDERAL (USDA) PERMIT

AL&L Bacterial Culture Collection					
ID#	Organism	Origin	Culture (C)/plant (P)		
			C	P	
A26	<i>P. s. pv. maculicola</i>	UCR 0788-18 CA	x		
A27	<i>P. s. pv. lachrymans</i>	UCR 1188-1 ice nucleation @ +4C CA	x		
A28	<i>A. vitis</i> (<i>Rhizobium vitis</i>)	Grape, CA 7162-13-1, oct/nop+, LBK, 10/07		x	
A29	<i>A. vitis</i> (<i>R. vitis</i>)	Grape, CA 7190-3a, non-pathogenic, LBK, 10/07		x	
A30	<i>A. vitis</i> (<i>R. vitis</i>)	Grape, CA 7203-4a, oct/nop+, LBK, 11/07		x	
A31	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7162-4b vit+, LBK 10/07		x	
A32	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7203-3c oct/nop+, LBK 11/07		x	
A33	<i>P. s. pv. coriandricola</i>	Coriander, CA 7266-1E5, LBK, 12/07		x	
A34	<i>P. s. ?</i>	Coriander, CA 7266-1E1, LBK, 12/07		x	
A35	<i>A. tumefaciens</i> (<i>Rhizobium radiobacter</i>)	C58-Biovar1, Cornell Tom Burr, nop+ pathogenic?	x		
A36	<i>A. vitis</i> biovar 3 (<i>R. vitis</i>)	CG1005, K306, Cornell Tom Burr, oct+	x		
A37	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7350-1A, oct/nop+, LBK 3/08		x	
A38	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7350-1A, oct/nop+, LBK 3/08		x	
A39	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7350-1B, LBK 3/08		x	
A40	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7350-2B, LBK 3/08		x	
A41	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7381-5a		x	
A42	<i>A. tumefaciens radiobacter</i> (<i>R. radiobacter</i>)	Grape CA 7381-8a		x	
A43	<i>A. tumefaciens radiobacter</i> (<i>R. radiobacter</i>)	Grape CA 7381-8b		x	
A44	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7393-3e		x	
A45	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7393-4c		x	
A46	<i>A. vitis</i> (<i>R. vitis</i>)	Grape CA 7393-5c		x	
A47	<i>Xanthomonas carotae</i> R4	Carrot, Dr. Johnson, OSU, 541-737-5249	x		
A48	<i>Xh carotae</i>	Carrot, Dr. Johnson, OSU, 541-737-5249	x		
A49	<i>Xc phaseoli</i>	Bean, B464 Dr. Howard Schwartz, CSU	x		

NO PERMIT WILL BE ISSUED TO MOVE AND USE LIVE INSECTS OR PLANT PESTS OR NOXIOUS WEEDS UNTIL A COMPLETED APPLICATION IS RECEIVED.

DEPARTMENT OF FOOD AND AGRICULTURE PLANT HEALTH AND PEST PREVENTION SERVICES 1220 N STREET, ROOM 210 SACRAMENTO, CALIFORNIA 95814		SECTION A TO BE COMPLETED BY APPLICANT			
APPLICATION AND PERMIT TO MOVE AND USE LIVE PLANT PESTS OR INSECTS OR NOXIOUS WEEDS		1. NAME AND ADDRESS (include Zip Code) Anna-Liisa Fabritius AL&L Crop Solutions, Inc. 45133 County RD 32B Davis, CA 95618			
3. TYPE OF ORGANISM <input type="checkbox"/> Arthropod <input checked="" type="checkbox"/> Pathogen <input type="checkbox"/> Noxious Weed <input type="checkbox"/> Biocontrol Agent <input checked="" type="checkbox"/> Other		2. TELEPHONE NUMBER/EX NUMBER/EMAIL (530) 387-3270 Fax: (530) 759-9460 Email: info@allcropsolutions.com			
4. SCIENTIFIC AND COMMON NAMES OF ORGANISMS	CLASSIFICATION (Order, Family, etc.)	LIFE STAGES	NUMBER OF SPECIMENS	MOVED OR SHIPPED FROM	WHAT HOST MATERIAL WILL ACCOMPANY PEST?
Various species	several orders	various	various	various counties	any plant material, soil
Bacteria, Fungi					
Viruses					
5. ADDRESS OF USE LOCATION IF DIFFERENT THAN ITEM 1		6. NAME AND ADDRESS OF SUPPLIER		7. DESTINATION COUNTY	
		various		Yolo	
8. APPROXIMATE DATE OF MOVEMENT	9. NUMBER OF SHIPMENTS	10. METHOD OF SHIPMENT			
various dates	various numbers	<input checked="" type="checkbox"/> Mail <input type="checkbox"/> Freight <input type="checkbox"/> Baggage <input checked="" type="checkbox"/> Auto			
11. INTENDED USE (Be specific, state whether use will be in a laboratory and/or greenhouse and/or in the field, and, in the case of pathogens, state whether use will include plant inoculation.)					
diagnostic purposes for laboratory identification (most cases no plant inoculations needed, no greenhouse nor field inoculations)					
12. METHODS TO BE USED TO PREVENT ESCAPE OF THE ORGANISMS			13. METHOD OF FINAL DISPOSITION		
All material including pathogenic species is stored in sealed plastic bags placed inside of a second container			Autoclaving		
14. I We agree to comply with the conditions attached to this form, and understand that the permit is subject to other conditions which may be prescribed.		SIGNATURE OF APPLICANT		DATE	
				8-17-2010	

SECTION B - TO BE COMPLETED BY STATE OFFICIAL	
PERMIT	PERMIT NUMBER
(Permit not valid unless signed by an authorized official of Plant Health and Pest Prevention Services Division)	
	2762

Under authority of Section 6305 of the Food and Agricultural Code, permission is hereby granted to the applicant named above to move and use the organisms described, except as deleted, subject to the conditions stated on, or attached to, this application. (See attached standard conditions.)

SEE APPENDIX A

VIOLATION OF ANY OF THE CONDITIONS OF THIS PERMIT SHALL BE SUFFICIENT CAUSE FOR ITS IMMEDIATE REVOCATION

15. SIGNATURE OF STATE OFFICIAL	16. DATE ISSUED	17. EXPIRATION DATE
	Sept. 15, 2010	Sept. 30, 2012

Attachments may accompany application if space on application is insufficient.

FORM 06-026 (6-05)
Plant Health and Pest Prevention Services

Copy to: County Agricultural Commissioner
Pest Exclusion Area Biologist
Plant Pest Diagnostics Branch
Supplier
File

Appendix A

REGULATED PLANT MATERIAL COLLECTED AND SHIPPED FROM EUROPEAN GRAPEVINE MOTH/ LIGHT BROWN APPLE MOTH QUARANTINE AREAS FROM SOMEONE OTHER THAN THE PERMITTEE

Special Sampling Shipping Instructions:

The grower/shipper at origin shall be under a compliance agreement with the County Agricultural Commissioner of shipping origin and a copy of their compliance agreement shall accompany all shipments.

Samples shall be placed in double leak-proof bags within a sturdy leak proof container.

This requirement may be fulfilled by placing individual samples in a zip lock bag. Thereafter all samples could be placed in a larger zip-lock bag. Alternatively, each sample can be placed in one bag and placed within a second bag of the same size. All samples must be shipped in a sturdy (leak proof box).

The box should be clearly marked with the following information: The name and address of the shipper or owner, the name and address of the person to whom the shipment is sent, the name of the county where the plants were grown, and a statement of the contents. If providing samples with roots, please shake off dirt and place roots separately from other plant material. Please do not allow soil to contaminate the box or leak outside of the box.