



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

Karen Ross, Secretary

DATE: May 15, 2013

TO: All County Agricultural Commissioners

SUBJECT: **PHYTOSANITARY ADVISORY NO. 12-2013**

Light Brown Apple Moth (LBAM)- Approved Requirements for Greenhouse Grown Cut Flowers, Decorative Branches and Cut Foliage to Canada

The following summarizes the requirements for shipping cut flowers, decorative branches and cut foliage from quarantined areas of regulated counties for LBAM to Canada. The United States Department of Agriculture (USDA) has provided clarifications to the requirements as they pertain to cut flowers, decorative branches and cut foliage grown in approved greenhouses* only.

1. The production site must meet the requirements of ISPM No. 10 for a pest-free place of production, including an appropriate buffer zone.^{1/}
2. The production site must have a documented pest management program specifically directed at *Epiphyas postvittana*.
3. The pest management program must be reviewed and accepted by the United States Department of Agriculture/Animal and Plant Health Inspection Service (USDA/APHIS).
4. Pest scouting at the production site must be completed a minimum of once per week.
5. A pre-shipment phytosanitary inspection must be carried out by the USDA/APHIS prior to certification.

^{1/} As per the USDA/APHIS, the “pest-free place of production” requirement will be met for cut flowers, decorative branches and cut foliage grown in greenhouses only if trapping occurs inside approved greenhouse at one trap per contiguous facility. The trap(s) must be placed at time of county inspection to approved greenhouse(s). Trap(s) must be serviced weekly and must have been maintained for at least 30 days prior to issuance of certification to Canada.

The requirement for “an appropriate buffer zone” will be met if cut flowers, decorative branches and cut foliage are grown in an approved greenhouse. The approved greenhouse, inspected to ensure exclusion of LBAM, is considered the buffer zone.



***Approved Greenhouses**

The USDA has approved the following specifications for counties to conduct inspections to approve greenhouses, designed to ensure exclusion of LBAM. Additionally, a checklist has been created to assist counties with their inspection of greenhouse for approval (attached-Exhibit 3).

1. Walls and roof must be sealed.
2. Doors/entryways must be designed, constructed or operated in manner to exclude LBAM.
3. Fans, vents, and intakes must be screened (top vent is not required to be screened but must be closed at sun down).
4. Each contiguous greenhouse must be inspected and approved by County.

Once a county has inspected and approved the greenhouse, the establishment must enter into the attached compliance agreement for Greenhouse Grown Cut Flowers, Decorative Branches and Cut Foliage to Canada.

Documents are available on the CDFA Extranet: <http://phpps.cdfa.ca.gov/user/frmLogon2.asp>

- <Programs>
- <Emergency Quarantine Response>
- <Light Brown Apple Moth> (under Selected Quarantine Programs)
- Compliance Agreement Documents (Canada)

Questions regarding this advisory may be directed to Terra Walber at terra.walber@cdfa.ca.gov.

COMPLIANCE AGREEMENT for Export of Light Brown Apple Moth (LBAM)
 Regulated Cut Flowers, Decorative Branches and Cut Foliage to Canada
 from an Approved Greenhouse

_____ **County Agricultural Commissioner**

Compliance Agreement Number: _____

Establishment Name:			
Owner/Manager Name:			
Mailing Address:	City:	Zip:	
Physical Address:	City:	Zip:	
Phone:		E-Mail:	

By signing this Compliance Agreement, the Establishment agrees to implement the following for LBAM regulated cut flowers, decorative branches and cut foliage (see Exhibit 1) that originates from inside an approved greenhouse in the applicable LBAM regulated areas (see Exhibit 2):

1. Greenhouse Approval

Each contiguous facility must be approved by a county regulatory official using the “Greenhouse Inspection Checklist to Comply with Canada’s D-07-03 (7th Revision) LBAM Requirements.” (see Exhibit 3)

2. Safeguard

- a. Handle, process and/or move regulated articles in accordance with regulatory requirements.
- b. Regulated material shall be stored, packed and shipped in a manner to safeguard against harboring LBAM.
- c. If regulated material is moved from an approved greenhouse to other on-site and/or off-site facilities for cooling, grading, packing and storage – the movement must be carried out in a manner to prevent harboring LBAM and must occur without delay between facilities.

3. Records

Maintain records of production, treatment and shipping for at least 2 years and make them available for inspection by plant regulatory officials upon request.

4. Traps

Allow placement and service of traps inside each of the establishment’s approved greenhouses for the monitoring of introduction and detection of LBAM.

5. Inspections

Allow access to each of the establishment’s approved greenhouses and any other on-site and/or off-site cooling, grading or storage facility to perform inspections as necessary.

Failure to comply with the stipulations outlined above may result in civil penalties pursuant to California Food and Agriculture Code Section 5705 and/or revocation of this Agreement.

6. Maintain Structural Integrity

- a. Ensure that approved greenhouse's walls and roofs are designed, constructed and maintained to exclude LBAM.
- b. Ensure that the approved greenhouse's entryways are designed, constructed and/or operated and maintained with sufficient safeguards to exclude LBAM.
- c. Ensure that the approved greenhouse's vents, air intakes, fans, cooling pads or any other air flow openings are screened with mesh screen of at 1/8 inch or smaller. Top vents are not required to be screened but must be closed at sun down.
- d. Ensure that all other facilities where regulated material is hydrated, cooled, graded, packed or stored is constructed, designed and/or operated, and maintained in a manner to safeguard against LBAM.

7. IPM Program

Implement an IPM program that addresses Tortricid pests.

8. LBAM Scouting

Implement and document visual pest scouting in the establishment's IPM Program. Pest scouting must occur weekly at a minimum.

Pest scouting shall be conducted by an entity authorized by USDA and approved by the county based on training and record keeping per "Light Brown Apple Moth (LBAM). *Epiphyas postvittana*. Nursery Industry Best Management Practices. Integrated Pest Management Practices Manual."

9. Notification of LBAM

The management of facility shall immediately notify the county if any signs of LBAM infestation or life stages are detected inside the facility or on harvested regulated material.

10. Storage of Supplies and Equipment

Storage of supplies and equipment used inside the exclusionary facility or at the establishment for handling of regulated material shall be in a manner to prevent harboring of LBAM.

11. Detection of LBAM

The county will issue a notice of suspension if LBAM is detected inside the approved greenhouse(s), operational facilities (e.g. hydration, cooling, grading, packing and/or storage) or on harvested regulated material.

Reinstatement of the agreement is at the discretion of the USDA, but will require that an investigation of the detection is completed; corrective actions are implemented, including but not limited to: approved treatment(s), establishment re-inspection (see Exhibit 4), and trapping requirements.

12. County Cost Recovery

At the discretion of the County, a fee may be charged for services provided under this agreement. (California Food and Agricultural Code Sections 5201-5205)

Failure to comply with the stipulations outlined above may result in civil penalties pursuant to California Food and Agriculture Code Section 5705 and/or revocation of this Agreement.

Special Instructions: (additional pages may be used if necessary) _____

Establishment Representative Signature Establishment Representative (Print Name) Date

Regulatory Official Signature Regulatory Official (Print Name) Date

Failure to comply with the stipulations outlined above may result in civil penalties pursuant to California Food and Agriculture Code Section 5705 and/or revocation of this Agreement.

EXHIBIT 1 – LBAM REGULATED HOST MATERIAL

Compliance Agreement Number _____

For list of LBAM regulated host material, including greenhouse grown cut flowers, decorative branches and cut foliage, click on the following link:

<http://www.inspection.gc.ca/plants/plant-protection/directives/horticulture/d-07-03/appendix-1/eng/1346908274430/1346908691528>

Establishment Representative Signature

Establishment Representative (Print Name)

Date

Regulatory Official Signature

Regulatory Official (Print Name)

Date

EXHIBIT 2 –LBAM REGULATED AREAS

Compliance Agreement Number _____

For list of LBAM regulated areas, click on following link:

www.inspection.gc.ca/english/plaveg/protect/dir/lbamareae.shtml

Establishment Representative Signature

Establishment Representative (Print Name)

Date

Regulatory Official Signature

Regulatory Official (Print Name)

Date

Exhibit 3 – Approved Greenhouse Inspection Checklist
To Comply with Canada’s D-07-03 (7th Revision) Requirements
(Initial and Regular Inspections)

_____ County Agricultural Commissioner	
Address:	Phone:
Phone:	Fax:

Compliance Agreement Number:			
LBAM CA Number			
Establishment Name:			
Facility Identification:			
Owner/Manager Name:			
Mailing Address:	City:	Zip:	
Physical Address/ Site Location:	City:	Zip:	
Phone: () -	E-Mail:		

Inspection Date:		Date of Next Inspection:	
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	YES	NO
1. Is there reasonable inside and outside access to allow for inspection?		
2. Does the proposed facility have entryways appropriately designed, constructed and/or operated in a manner to exclude LBAM adult moths?		
3. Are all supplies and equipment used in the growing; hydration; cooling; grading; packing; and, storage used and stored in a manner that prevents harboring of LBAM adult moths?		
4. Circle Type of Sidewall Material: Poly Double Poly Fiberglass Polycarbonate Acrylic Glass Screen Other: _____		
5. Circle Type of Roofing Material: Poly Double Poly Fiberglass Polycarbonate Acrylic Glass Screen Other: _____		
6. Are there any gaps, holes, or tears in the roof?		
7. Does the facility have exhaust fans and/or intake vents and are they adequately screened?		
8. Does the facility have cooling pads and are they adequately screened?		
9. Does the facility have exhaust vents and are they adequately screened?		
10. Does the facility maintain an inspection schedule for walls, roof and screening?		
11. Does the facility operate at night?		
12. Does the facility circulate air from/to the outside at night?		
13. Does the facility use grow lighting at night?		
14. Is the base of the facility sealed at ground level?		

15. Does harvested regulated material transit from the exclusionary facility for hydration, cooling, grading, packing and/or storage? If yes, does it transit on-site or off-site?		
16. If the material does transit, is it in a manner and/or are there safeguards in place to prevent LBAM from harboring on the harvested material?		
17. If hydration, cooling, grading, packing or storage occurs outside of the exclusionary facility, are those facilities maintained and operated in a manner to exclude LBAM?		
18. If hydration, cooling, grading, packing or storage occurs off-site, are those facilities currently under compliance? Where are those facilities located?		

Structural Integrity Findings (including locations, extent of openings and/or operational issues):
Operational safeguarding issues:
Required Corrective Action(s):
Additional Remarks:

Regulatory Treatment	YES	NO
Type & Date:		

Trap Placement	YES	NO
Date:		

Establishment Manager/Owner	Project Officer/Inspector
Print Name:	Print Name:
Signature:	Signature:

Exhibit 4 – Approved Greenhouse Inspection Checklist
To Follow LBAM Detection in Approved Greenhouse
To Comply with Canada’s D-07-03 (7th Revision) LBAM Buffer Zone Requirements

_____ County Agricultural Commissioner	
Address:	Phone:
Phone:	Fax:

Compliance Agreement Number:			
LBAM CA Number			
Establishment Name:			
Facility Identification:			
Owner/Manager Name:			
Mailing Address:	City:	Zip:	
Physical Address/ Site Location:	City:	Zip:	
Phone: () -	E-Mail:		

PDR# & Detection Date:		Life stage:	
Detection:	<input type="checkbox"/> Inside Trap <input type="checkbox"/> Plants <input type="checkbox"/> Equipment <input type="checkbox"/> Cut Flowers in Storage <input type="checkbox"/> Cut Flower Shipment		

Inspection Date:		Date of Next Inspection:	
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						YES	NO
1. Are there any gaps, holes, or tears in the covering or screening:							
<input type="checkbox"/> Roof	<input type="checkbox"/> Sidewalls	<input type="checkbox"/> Fans	<input type="checkbox"/> Cooling pads	<input type="checkbox"/> Intake Vents	<input type="checkbox"/> Exhaust Vents		
<input type="checkbox"/> Other:							
Take photos if possible.							
Describe location and extent of the damage:							
2. If there were any gaps, have they been repaired? Describe repairs (use additional pages, if needed):							

3. Are the entryways being maintained and operated in the approved manner?		
4. Was an inspection conducted for LBAM life stages on all plants?		
5. Were any LBAM suspects found? If Yes, how many and life stage?		
6. Were the establishment's on-site and/or off-site safeguarding practices reviewed?		
7. Were any safeguarding deficiencies noted? If Yes, what were they?		
8. Was the facility's Integrated Pest Management Program reviewed?		
9. Were any deficiencies noted? If Yes, what were they?		
10. Have there been any LBAM detections at this facility caused by issues with the design, construction or operation of the facility? If Yes, please provide date and brief description.		
11. How were you notified about the detection of the suspect or confirmed LBAM?		
12. Corrective Action(s) to take:		
13. Additional Remarks (use additional pages, if needed):		

Establishment Manager/Owner	Project Officer/Inspector
Print Name:	Print Name:
Signature:	Signature: