

(1) The operator can show that no cadmium plating exists in the prohibited areas of that propeller; or

(2) It is a new propeller that has never been overhauled.

#### Alternative Methods of Compliance

(l) The Manager, Boston Aircraft Certification Office, FAA, has the authority to approve alternative methods of compliance for this AD if requested using the procedures found in 14 CFR 39.19.

#### Related Information

(m) Contact Terry Fahr, Aerospace Engineer, Boston Aircraft Certification Office, FAA, Engine and Propeller Directorate, 12 New England Executive Park, Burlington, MA 01803; e-mail: [terry.fahr@faa.gov](mailto:terry.fahr@faa.gov); telephone (781) 238-7155; fax (781) 238-7170, for more information about this AD.

#### Material Incorporated by Reference

(n) You must use Dowty Rotol Service Bulletin No. 61-754, dated June 12, 1970 to perform the heat treatment required by this AD. The Director of the Federal Register approved the incorporation by reference of this service bulletin in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Contact Dowty Propellers, Anson Business Park, Cheltenham Road East, Gloucester GL2 9QN, UK; Telephone 44 (0) 1452 716000; fax 44 (0) 1452 716001 for a copy of this service information. You may review copies at the FAA, New England Region, 12 New England Executive Park, Burlington, MA; or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

Issued in Burlington, Massachusetts on May 5, 2010.

**Peter A. White,**

*Assistant Manager, Engine and Propeller Directorate, Aircraft Certification Service.*

[FR Doc. 2010-11764 Filed 5-20-10; 8:45 am]

BILLING CODE 4910-13-P

## DEPARTMENT OF TRANSPORTATION

### Federal Aviation Administration

#### 14 CFR Part 39

[Docket No. FAA-2010-0034; Directorate Identifier 2009-NM-120-AD; Amendment 39-16307; AD 2010-11-02]

RIN 2120-AA64

#### Airworthiness Directives; Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.) Model Gulfstream 100 Airplanes, and Model Astra SPX and 1125 Westwind Astra Airplanes

**AGENCY:** Federal Aviation Administration (FAA), Department of Transportation (DOT).

**ACTION:** Final rule.

**SUMMARY:** We are superseding an existing airworthiness directive (AD) for the products listed above. This AD results from mandatory continuing airworthiness information (MCAI) originated by an aviation authority of another country to identify and correct an unsafe condition on an aviation product. The MCAI describes the unsafe condition as:

\* \* \* \* \*

Incomplete closure of the MED [main entry door] may be followed by in-flight opening of the door. As a result, the MED and the adjacent fuselage structure may be damaged during opening and landing impact. Damage to the left engine by flying debris and objects may also occur.

We are issuing this AD to require actions to correct the unsafe condition on these products.

**DATES:** This AD becomes effective June 25, 2010.

The Director of the Federal Register approved the incorporation by reference of certain publications listed in this AD as of June 25, 2010.

**ADDRESSES:** You may examine the AD docket on the Internet at <http://www.regulations.gov> or in person at the U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue, SE., Washington, DC.

#### FOR FURTHER INFORMATION CONTACT:

Mike Borfitz, Aerospace Engineer, International Branch, ANM-116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057-3356; telephone (425) 227-2677; fax (425) 227-1149.

#### SUPPLEMENTARY INFORMATION:

#### Discussion

We issued a notice of proposed rulemaking (NPRM) to amend 14 CFR part 39 to include an AD that would apply to the specified products. That NPRM was published in the **Federal Register** on February 8, 2010 (75 FR 6157), and proposed to supersede AD 2007-03-05, Amendment 39-14916 (72 FR 4414, January 31, 2007). That NPRM proposed to correct an unsafe condition for the specified products. The MCAI states:

To increase pilots' awareness to the possibility of incomplete closure of the Main Entry Door (MED) by the following means:

1. Splitting the common caution light *CABIN DOOR* signaling both MED Improper Closure and MED Inflatable Seal Failure into two separate lights: *CABIN DOOR* and *CABIN DOOR SEAL*.

2. Converting the separated *CABIN DOOR* Caution light into a Warning light by changing its color to red.

**Note:** Aircraft Flight Manuals (AFM'S) refer to these changes as MOD G1-20052.

Incomplete closure of the MED may be followed by in-flight opening of the door. As a result, the MED and the adjacent fuselage structure may be damaged during opening and landing impact. Damage to the left engine by flying debris and objects may also occur.

Required actions include modifying the warning and caution lights panel (WACLPL), changing the WACLPL and MED wiring, changing the wiring harness connecting the MED to the WACLPL, and ensuring the Log of Modification of the AFM includes reference to MOD G1-20052. You may obtain further information by examining the MCAI in the AD docket.

#### Comments

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM or on the determination of the cost to the public.

#### Explanation of Change to Applicability

We have revised the applicability of the existing AD to identify model designations as published in the most recent type certificate data sheet for the affected models.

#### Conclusion

We reviewed the available data and determined that air safety and the public interest require adopting the AD with the changes described previously. We determined that these changes will not increase the economic burden on any operator or increase the scope of the AD.

#### Differences Between This AD and the MCAI or Service Information

We have reviewed the MCAI and related service information and, in general, agree with their substance. But we might have found it necessary to use different words from those in the MCAI to ensure the AD is clear for U.S. operators and is enforceable. In making these changes, we do not intend to differ substantively from the information provided in the MCAI and related service information.

We might also have required different actions in this AD from those in the MCAI in order to follow our FAA policies. Any such differences are highlighted in a **Note** within the AD.

#### Explanation of Change to Costs of Compliance

Since issuance of the NPRM, we have increased the labor rate used in the Costs of Compliance from \$80 per work-hour to \$85 per work-hour. The Costs of Compliance information, below, reflects

this increase in the specified hourly labor rate.

### Costs of Compliance

Based on the service information, we estimate that this AD will affect about 120 products of U.S. registry.

The actions that are required by AD 2007–03–05 and retained in this AD take about 1 work-hour per product, at an average labor rate of \$85 per work hour. Based on these figures, the estimated cost of the currently required actions is \$85 per product.

We estimate that it will take about 60 additional work-hours per product to comply with the new basic requirements of this AD. Required parts will cost about \$600 per product. The average labor rate is \$85 per work-hour. Where the service information lists required parts costs that are covered under warranty, we have assumed that there will be no charge for these costs. As we do not control warranty coverage for affected parties, some parties may incur costs higher than estimated here. Based on these figures, we estimate the cost of the AD on U.S. operators to be \$684,000, or \$5,700 per product.

### Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

### Regulatory Findings

We determined that this AD will not have federalism implications under Executive Order 13132. This AD will not have a substantial direct effect on the States, on the relationship between the national government and the States, or on the distribution of power and responsibilities among the various levels of government.

*For the reasons discussed above, I certify this AD:*

1. Is not a "significant regulatory action" under Executive Order 12866;
2. Is not a "significant rule" under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979); and
3. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a regulatory evaluation of the estimated costs to comply with this AD and placed it in the AD docket.

### Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains the NPRM, the regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647–5527) is in the **ADDRESSES** section. Comments will be available in the AD docket shortly after receipt.

### List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

### Adoption of the Amendment

■ Accordingly, under the authority delegated to me by the Administrator, the FAA amends 14 CFR part 39 as follows:

### PART 39—AIRWORTHINESS DIRECTIVES

■ 1. The authority citation for part 39 continues to read as follows:

**Authority:** 49 U.S.C. 106(g), 40113, 44701.

#### § 39.13 [Amended]

■ 2. The FAA amends § 39.13 by removing Amendment 39–14916 (72 FR 4414, January 31, 2007) and adding the following new AD:

**2010–11–02 Gulfstream Aerospace LP (Type Certificate Previously Held by Israel Aircraft Industries, Ltd.):**  
Amendment 39–16307. Docket No. FAA–2010–0034; Directorate Identifier 2009–NM–120–AD.

#### Effective Date

(a) This airworthiness directive (AD) becomes effective June 25, 2010.

#### Affected ADs

(b) This AD supersedes AD 2007–03–05, Amendment 39–14916.

#### Applicability

(c) This AD applies to Gulfstream Aerospace LP (Type Certificate previously

held by Israel Aircraft Industries, Ltd.) Model Gulfstream 100 airplanes; and Model Astra SPX and 1125 Westwind Astra airplanes; certificated in any category; all serial numbers.

### Subject

(d) Air Transport Association (ATA) of America Code 31: Instruments.

### Reason

(e) The mandatory continuing airworthiness information (MCAI) states:

To increase pilots' awareness to the possibility of incomplete closure of the Main Entry Door (MED) by the following means:

1. Splitting the common caution light **CABIN DOOR** signaling both MED Improper Closure and MED Inflatable Seal Failure into two separate lights: **CABIN DOOR** and **CABIN DOOR SEAL**.

2. Converting the separated **CABIN DOOR** Caution light into a Warning light by changing its color to red.

**Note:** Aircraft Flight Manuals (AFMs) refer to these changes as MOD G1–20052.

Incomplete closure of the MED may be followed by in-flight opening of the door. As a result, the MED and the adjacent fuselage structure may be damaged during opening and landing impact. Damage to the left engine by flying debris and objects may also occur.

Required actions include modifying the warning and caution lights panel (WACLP), changing the WACLP and MED wiring, changing the wiring harness connecting the MED to the WACLP, and ensuring the Log of Modification of the AFM includes reference to MOD G1–20052.

### Restatement of Requirements of AD 2007–03–05, With No Changes

(f) Unless already done, do the following actions. Within 10 days after February 15, 2007 (the effective date of AD 2007–03–05), amend Section IV, Normal Procedures, of the following Gulfstream airplane flight manuals (AFMs): Model 1125 Astra, 25W–1001–1; Model Astra SPX, SPX–1001–1; and Model G100, G100–1001–1; as applicable; to include the following statement. Insertion of copies of this AD at the appropriate places of the AFMs is acceptable.

"1. BEFORE ENGINE START:  
(PRE and POST Mod 20052/Gulfstream Service Bulletin 100–31–284):  
**CABIN DOOR—CLOSED** (Physically verify door latch handle pin is fully engaged in the handle lock)

2. BEFORE TAXIING:  
Change the **CABIN DOOR** procedure as follows (POST Mod 20052/Gulfstream Service Bulletin 100–31–284):  
Check **CABIN DOOR** light—OUT  
3. BEFORE TAKE-OFF:  
Insert between the **POSITION** lights switch and the **THRUST LEVERS** procedures:  
(PRE Mod 20052/Gulfstream Service Bulletin 100–31–284):

Check **CABIN DOOR** light—OUT (50% N1 may be required)

(POST Mod 20052/Gulfstream Service Bulletin 100–31–284):

Check **CABIN DOOR** light—OUT  
**CABIN DOOR SEAL** light—OUT (50% N1 may be required)"

**Note 1:** Mod 20052 is equivalent to Gulfstream Service Bulletin 100–31–284, dated August 17, 2006.

**Note 2:** This AD may be accomplished by a holder of a Private Pilot's License.

#### NEW REQUIREMENTS OF THIS AD:

##### Actions and Compliance

(g) Unless already done, for all airplanes except airplane serial number 158, do the following actions.

(1) Within 250 flight hours after the effective date of this AD: Modify the WACLP in accordance with the Accomplishment Instructions of the applicable service bulletin identified in Table 1 of this AD.

**TABLE 1—MODIFICATION SERVICE INFORMATION**

Honeywell Service Bulletin—	Dated—
80–0548–31–0001 .....	April 1, 2006.
80–0548–31–0002 .....	March 1, 2006.
80–5090–31–0001 .....	March 1, 2006.

(2) Within 250 flight hours after the effective date of this AD: Change the WACLP and MED wiring in accordance with the Accomplishment Instructions of Gulfstream Service Bulletin 100–31–284, dated August 17, 2006.

(3) Within 250 flight hours after the effective date of this AD: Change the wiring harness connecting the MED to the WACLP in accordance with the Accomplishment

Instructions of Gulfstream Service Bulletin 100–31–284, dated August 17, 2006.

(4) Within 250 flight hours after the effective date of this AD: Verify that the Log of Modification of the relevant airplane flight manual (AFM) includes reference to MOD G1–20052, and, if no reference is found, revise the Log of Modification of the AFM to include reference to the modification.

(5) Doing the modifications specified in paragraphs (g)(1), (g)(2), (g)(3), and (g)(4) of this AD terminates the requirements of paragraph (f) of this AD, and after the modifications have been done, the AFM limitation required by paragraph (f) of this AD may be removed from the AFM.

##### FAA AD Differences

**Note 3:** This AD differs from the MCAI and/or service information as follows: Paragraph (g)(5) of this AD mandates a terminating action. However, Israeli Airworthiness Directive 31–06–11–05, dated May 27, 2009, does not explicitly mandate a terminating action. This difference has been coordinated with the Civil Aviation Authority of Israel.

##### Other FAA AD Provisions

(h) The following provisions also apply to this AD:

(1) *Alternative Methods of Compliance (AMOCs):* The Manager, International Branch, ANM–116, Transport Airplane Directorate, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. Send information to *Attn:* Mike Borfitz,

Aerospace Engineer, International Branch, ANM–116, Transport Airplane Directorate, FAA, 1601 Lind Avenue, SW., Renton, Washington 98057–3356; telephone (425) 227–2677; fax (425) 227–1149. Before using any approved AMOC on any airplane to which the AMOC applies, notify your principal maintenance inspector (PMI) or principal avionics inspector (PAI), as appropriate, or lacking a principal inspector, your local Flight Standards District Office. The AMOC approval letter must specifically reference this AD.

(2) *Airworthy Product:* For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(3) *Reporting Requirements:* For any reporting requirement in this AD, under the provisions of the Paperwork Reduction Act (44 U.S.C. 3501 *et seq.*), the Office of Management and Budget (OMB) has approved the information collection requirements and has assigned OMB Control Number 2120–0056.

##### Related Information

(i) Refer to MCAI Israeli Airworthiness Directive 31–06–11–05, dated May 27, 2009, and the applicable service information identified in Table 2 of this AD for related information.

**TABLE 2—SERVICE INFORMATION**

Service information	Date
Gulfstream Service Bulletin 100–31–284 .....	August 17, 2006.
Honeywell Service Bulletin 80–0548–31–0001 .....	April 1, 2006.
Honeywell Service Bulletin 80–0548–31–0002 .....	March 1, 2006.
Honeywell Service Bulletin 80–5090–31–0001 .....	March 1, 2006.

##### Material Incorporated by Reference

(j) You must use the service information contained in Table 3 of this AD to do the

actions required by this AD, unless the AD specifies otherwise.

(1) The Director of the Federal Register approved the incorporation by reference of

the service information contained in Table 3 of this AD under 5 U.S.C. 552(a) and 1 CFR part 51.

**TABLE 3—MATERIAL INCORPORATED BY REFERENCE**

Service information	Date
Gulfstream Service Bulletin 100–31–284 .....	August 17, 2006.
Honeywell Service Bulletin 80–0548–31–0001 .....	April 1, 2006.
Honeywell Service Bulletin 80–0548–31–0002 .....	March 1, 2006.
Honeywell Service Bulletin 80–5090–31–0001 .....	March 1, 2006.

(2) For Gulfstream service information identified in this AD, contact Gulfstream Aerospace Corporation, P.O. Box 2206, Mail Station D–25, Savannah, Georgia 31402–2206; telephone 800–810–4853; fax 912–965–3520; e-mail [pubs@gulfstream.com](mailto:pubs@gulfstream.com); Internet [http://www.gulfstream.com/product\\_support/technical\\_pubs/pubs/index.htm](http://www.gulfstream.com/product_support/technical_pubs/pubs/index.htm). For Honeywell service information identified in this AD, contact

Honeywell Aerospace, Technical Publications and Distribution, M/S 2101–201, P.O. Box 52170, Phoenix, Arizona 85072–2170; telephone 602–365–5535; fax 602–365–5577; Internet <http://www.honeywell.com>.

(3) You may review copies of the service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue, SW., Renton, Washington. For information on the

availability of this material at the FAA, call 425–227–1221.

(4) You may also review copies of the service information that is incorporated by reference at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: [http://www.archives.gov/federal\\_register/](http://www.archives.gov/federal_register/)

[code\\_of\\_federal\\_regulations/  
ibr\\_locations.html](http://www.regulations.gov).

Issued in Renton, Washington, on May 7, 2010.

**Ali Bahrami,**

Manager, Transport Airplane Directorate,  
Aircraft Certification Service.

[FR Doc. 2010-11760 Filed 5-20-10; 8:45 am]

**BILLING CODE 4910-13-P**

## ENVIRONMENTAL PROTECTION AGENCY

### 40 CFR Part 180

[EPA-HQ-OPP-2009-0663; FRL-8824-9]

#### Silver Nitrate; Exemption from the Requirement of a Tolerance

**AGENCY:** Environmental Protection  
Agency (EPA).

**ACTION:** Final rule.

**SUMMARY:** This regulation establishes an exemption from the requirement of a tolerance for residues of silver nitrate (CAS Reg. No. 7761-88-8) when used as an inert ingredient under 40 CFR 180.910 as stabilizer at a maximum of 0.06% by weight in pesticide formulations as post-harvest treatment for potatoes to control sprouting. Wagner Regulatory Associates on behalf of Pimi Agro CleanTech, Ltd. submitted a petition to EPA under the Federal Food, Drug, and Cosmetic Act (FFDCA), requesting establishment of an exemption from the requirement of a tolerance. This regulation eliminates the need to establish a maximum permissible level for residues of silver nitrate.

**DATES:** This regulation is effective May 21, 2010. Objections and requests for hearings must be received on or before July 20, 2010, and must be filed in accordance with the instructions provided in 40 CFR part 178 (see also Unit I.C. of the **SUPPLEMENTARY INFORMATION**).

**ADDRESSES:** EPA has established a docket for this action under docket identification (ID) number EPA-HQ-OPP-2009-0663. All documents in the docket are listed in the docket index available at <http://www.regulations.gov>. Although listed in the index, some information is not publicly available, e.g., Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Certain other material, such as copyrighted material, is not placed on the Internet and will be publicly available only in hard copy form. Publicly available docket materials are available in the electronic docket at

<http://www.regulations.gov>, or, if only available in hard copy, at the OPP Regulatory Public Docket in Rm. S-4400, One Potomac Yard (South Bldg.), 2777 S. Crystal Dr., Arlington, VA. The Docket Facility is open from 8:30 a.m. to 4 p.m., Monday through Friday, excluding legal holidays. The Docket Facility telephone number is (703) 305-5805.

#### FOR FURTHER INFORMATION CONTACT:

Alganesh Debesai, Registration Division (7505P), Office of Pesticide Programs, Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001; telephone number: (703) 308-8353; e-mail address: [debesai.alganesh@epa.gov](mailto:debesai.alganesh@epa.gov).

#### SUPPLEMENTARY INFORMATION:

##### I. General Information

###### A. Does this Action Apply to Me?

You may be potentially affected by this action if you are an agricultural producer, food manufacturer, or pesticide manufacturer. Potentially affected entities may include, but are not limited to:

- Crop production (NAICS code 111).
- Animal production (NAICS code 112).
- Food manufacturing (NAICS code 311).
- Pesticide manufacturing (NAICS code 32532).

This listing is not intended to be exhaustive, but rather provides a guide for readers regarding entities likely to be affected by this action. Other types of entities not listed in this unit could also be affected. The North American Industrial Classification System (NAICS) codes have been provided to assist you and others in determining whether this action might apply to certain entities. If you have any questions regarding the applicability of this action to a particular entity, consult the person listed under **FOR FURTHER INFORMATION CONTACT**.

###### B. How Can I Get Electronic Access to Other Related Information?

You may access a frequently updated electronic version of 40 CFR part 180 through the Government Printing Office's e-CFR site at <http://www.gpoaccess.gov/ecfr>

###### C. Can I File an Objection or Hearing Request?

Under section 408(g) of FFDCA, 21 U.S.C. 346a, and any person may file an objection to any aspect of this regulation and may also request a hearing on those objections. The EPA procedural regulations which govern the submission of objections and requests

for hearings appear in 40 CFR part 178. You must file your objection or request a hearing on this regulation in accordance with the instructions provided in 40 CFR part 178. To ensure proper receipt by EPA, you must identify docket ID number EPA-HQ-OPP-2009-0663 in the subject line on the first page of your submission. All objections and requests for a hearing must be in writing, and must be received by the Hearing Clerk on or before *[date 60 days after date of publication in the Federal Register]*. Addresses for mail and hand delivery of objections and hearing requests are provided in 40 CFR 178.25(b).

In addition to filing an objection or hearing request with the Hearing Clerk as described in 40 CFR part 178, please submit a copy of the filing that does not contain any CBI for inclusion in the public docket that is described in **ADDRESSES**. Information not marked confidential pursuant to 40 CFR part 2 may be disclosed publicly by EPA without prior notice. Submit your copies, identified by docket ID number EPA-HQ-OPP-2009-0663 by one following methods:

• **Federal eRulemaking Portal:** <http://www.regulations.gov>. Follow the on-line instructions for submitting comments.

• **Mail:** Office of Pesticide Programs (OPP) Regulatory Public Docket (7502P), Environmental Protection Agency, 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001.

• **Delivery:** OPP Regulatory Public Docket (7502P), Environmental Protection Agency, Rm. S-4400, One Potomac Yard (South Bldg.), 2777 S. Crystal Dr., Arlington, VA. Deliveries are only accepted during the Docket Facility's normal hours of operation (8:30 a.m. to 4 p.m., Monday through Friday, excluding legal holidays). Special arrangements should be made for deliveries of boxed information. The Docket Facility telephone number is (703) 305-5805.

##### II. Petition for Exemption

In the **Federal Register** of October 7, 2009 (74 FR 5159) (FRL-8792-7), EPA issued a notice pursuant to section 408 of FFDCA, 21 U.S.C. 346a, announcing the filing of a pesticide petition (PP 9E7584) by Wagner Regulatory Associates on behalf of Pimi Agro CleanTech, Ltd., P.O.Box. 117, Hutzot Alonim 30049, Israel. The petition requested that 40 CFR 180.910 be amended establishing an exemption from the requirement of a tolerance for residues of silver nitrate (CAS Reg. No. 7761-88-8) when used as an inert ingredient stabilizer at 0.06% by weight in pesticide formulations applied to