

AFSPC FY20 (Feb 2019-Feb 2020) Installation Pest Management Plan

Annual Update

Submission Date: 13 March 2020

I. Installation Name: Joint Base Langley-Eustis (Eustis), Fort Eustis

II. Currency of Installation Pest Management Plan (IPMP)

1.	Does the installation have an approved Installation Pest Management Plan (IPMP)?	YES. See item VII.1. below.
2.	Date the IPMP received final signature	
3.	Are you planning to rewrite/revise the IPMP?	NO
	If yes, when?	
4.	Have monthly reports been sent to the AFSPC Command Entomologist as required by AFI 32-1053, para 3.5.15? [Pesticide Inventory report, Pesticide Applicator Certification report, Pesticide Application report] If no, please submit all required reports along with this form. These are considered monthly updates to the IPMP.	YES

III. Integrated Pest Management Coordinator

1.	Has an integrated pest management coordinator been assigned in writing as required by AFI 32-1053, para 3.4.5? Please forward copy of appointment letter to AFSPC Command Entomologist along with this form.	YES
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IV. Plan Maintenance:

Please list any minor changes (i.e. personnel changes, certifications, standard operating procedures, etc.) to the plan for the new Fiscal Year. Major plan revisions require re-staffing and re-submittal of the IPMP.

Awaiting 633 ABW/CC Approval (see comments VII.1. below).

V. On-Site Assistance

Please indicate if you would like a Staff Assistance Visit (SAV) this year and briefly describe the reason for the visit.

No

VI. Aerial Applications

1.	Are there any projects requiring the aerial applications of pesticides for the upcoming FY?	YES. See item VII.4. below.
2.	Does the installation have an approved aerial spray Statement of Need for the project(s) from the AFSPC Pest Management Consultant?	YES. See item VII.4. below.
3.	Does the installation have the appropriate Environmental Assessment(s) (EA) or Environmental Impact Statement(s) (EIS)?	See item VII.4. below.

VII. Additional Comments

1. Current IPMP status. The existing version of the JBLE-E IPMP was signed 5 February 2015 and therefore expired 5 February 2020. A revised version had been prepared, staffed, and forwarded through the chain of command for 633 ABW/CC (Installation Commander) approval on 3 January 2020. Approval has not been received at this time but is anticipated to occur shortly. The revised version contains updated information as well as improvements. Improvements include new appendices for integrated vector management, red imported fire ant

management and forest pest management. The revised IPMP will be implemented upon receipt of 633 ABW/CC approval.

2. Tick warning signage. Standard tick warning signage has been proposed by the IPMC for installment at training area entrances and the Nature Trail.

3. A new BASH Plan. First Fighter Wing prepared and staffed a revised Bird Air Strike Hazard (BASH) Plan.

4. Aerial pesticide applications. An aerial application of herbicide was conducted against invasive common reed at the Fort Eustis Dredge Material Management Area (FEDMMA) on 2 Nov 2019. This equates to applications occurring in the FEDMMA two years in a row (2018 and 2019). Effectiveness will be evaluated in Spring 2020 and 3d application will occur if needed and if funding is available. No aerial treatments for mosquitoes or other pest organisms were conducted. Aerial Spray Statements of Need exist for both herbicide and mosquito treatments. Environmental Assessments exist for aerial herbicide treatments of common reed but is lacking for mosquito treatments. An Environmental Assessment for aerial mosquito treatment is needed. The IPMC is developing a new EA to cover all aerial treatments and other significant pest management activities.

5. FY 2019 Measures of Merit (MOM). The FY19 MOM was submitted to AFCEC in advance of the deadline.

6. Monthly pest management reports. All monthly reports were submitted to AFCEC though not all were sent by the 10th day of months following the report month.

7. Pesticide reporting under Superfund Amendments and Reauthorization Act Title III (compliance with Executive Order 13693 and AFI is: AFI32-7020). Review of pesticide applications revealed that Pendamethalin (CAS Number: 40487-42-1) was applied in amounts that exceeded the 100-lb threshold for Toxic Chemical Release Inventory (TRI) reporting for CY 2019. Pendamethalin is the active ingredient of Lesco Pre-M 3.3 EC Turf Herbicide used by the grounds maintenance contractor. A draft Form R was prepared by the IPMC. This herbicide has since been removed from the installation's list of approved pesticides and the contractor has been notified.

8. New AFMAN 32-1053 and DoDI 4150.07. New AFMAN 32-1053 (6 Aug 2019) and DODI 4150.07 (26 Dec 2019) were published while the revised IPMP was being finalized and staffed. These documents were reviewed and no major changes to the IPMP revised draft appear necessary.

9. Mosquito species surveillance. Natural Resources & IPM Branch operations were reduced during the period of Dec 2018-Nov 2019 because the Branch consisted of only one staff member. Consequently, no mosquito species surveillance was conducted in CY 2019 due to Branch staffing shortfalls.

10. Tick surveillance. Tick surveillance continued in 2019 but was limited. CED/CEIE, MAHC/Department of Public Health with USA Public Health Command (USAPHC) conducted tick collection in several areas over the course of 3 days in August. We are awaiting an identification and pathogen analysis report from USAPHC.

11. Status of glyphosate. Glyphosate is the active ingredient of a number of herbicide formulations used on the installation. No scientific evidence exists proving it to be a carcinogen. Pesticide formulations remain registered by the EPA. AFPMB policies remain consistent with EPA findings.

12. Biting insect reports. In conjunction with Range Control, standard optional biting insect surveys are provided to military units when reserving training areas.

13. Spider survey. The IPMC initiated a formal spider survey program beginning in CY 2020. Base Operations Support contract pest control sticky traps are examined by the IPMC, and spider taxonomy and numbers are recorded. This task in conjunction with other IPMC arthropod inventory work will (a) support documentation that brown recluse spiders are not evident on the installation despite frequent contradictions by installation community members and (b) contribute to the arthropod species inventory. Spider inventory work preceding the routine surveillance documented several species but no brown recluse spiders have ever been documented on the installation. This is expected but surveillance will continue.

14. New PMQAEs. Two new PMQAEs have completed the training requirements. Assignment MFRs and IPMP familiarization will be scheduled when the revised IPMP is signed by the Installation Commander.

15. Fipronil termiticides. Termiticides containing the active ingredient fipronil are the preferred termiticides (vs imidacloprid-based termiticides) based on AFCEC recommendation for the following reasons: Imidacloprid is water soluble and thus can be removed by plants. This is particularly important in coastal wet environments having high water tables which is the case with geography of Fort Eustis. Imidacloprid can leach out whereas fipronil (which is not water-soluble) binds to organic soil particles. This reduces environmental impacts and has a longer retention time towards controlling termites.

16. IPM-related education/awareness for the installation community. Installation IPM policy (and tick awareness) is presented at the Activity Environmental Management (AEM) training classes twice per year.

Additionally, it is presented Marine Warrant Officer Advanced Courses when CEIE is requested to present (one course in 2019). Tick Awareness presentations and information handouts were delivered during Earth Day events in April 2019. IPM and disease vectoring arthropods topics were presented at Fort Eustis field sanitation courses in 2019. IPM policy and tick awareness at Fort Eustis was presented at Newcomers Orientations in 2019.

17. JBLE-E Arthropod Inventory. The IPMC published an arthropod inventory in December 2018 (Christensen. *Insects, Other Arthropods & Other Invertebrates Observed on Fort Eustis: Understanding the Significance of Invertebrate Taxa on Military Missions*, 27 Dec 2018). This document was incorporated into the revised JBLE-E Integrated Natural Resources Management Plan (signed/approved by the Installation Commander 5 June 2019) and the revised IPMP awaiting approval. This inventory remains a living document and is updated periodically. Fort Eustis continued to participate in the Cooperative Agricultural Pest Survey/Exotic Wood Boring Beetle Survey with Virginia Polytechnic Institute & State University Insect Identification Laboratory. The Laboratory provided CY 2019 data collected from the installation. Additionally, Fort Eustis weevil specimens were identified through an informal cooperative event. Data from these two sources in addition to data collected in CY 2019 by the IPMC will be used to update the arthropod inventory. This contributes to forest pest management on the installation.

18. Honeybee removal. Section 7.21 (Prohibited Practices) of the 2019 INRMP (and in Section XI [Prohibited Practices] of the draft IPMP that is awaiting approval by the 633 ABW/CC) that honeybees would not be trapped or removed from the installation. The one exception is removal by a beekeeper in situations where feral swarms pose health and safety risks and is done so under the direction of the IPMC (Section 7.13.2.2 of the INRMP and Section 15.A. draft IPMP that is awaiting approval). However, this exception is suspended because of potential liability issues. This remains in effect until a formal process is established and approved by the Installation Commander.

VIII. Installation Pesticide Application Points of Contact

	Pest Management Supervisor	Pest Management NCOIC
Name	N/A	N/A
Duty Title		
Office Symbol		
Street Address		
City, ST Zip Code		
Phone Number		
DSN		
e-mail		

	Golf Course Superintendent	Natural Resources / Environmental
Name	Jacob Adams	Timothy P. Christensen
Duty Title	Maintenance Superintendent	Natural Resources Manager
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Street Address		1407 Washington Blvd
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Phone Number		757-878-4231
DSN		
e-mail		Timothy.p.christensen.civ@mail.mil

	Grounds Maintenance Supervisor	Contract Quality Assurance Evaluator
Name	NA	TBD
Duty Title		
Office Symbol		
Street Address		
City, ST Zip Code		
Phone Number		
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e-mail		

	Flight Safety/BASH POC	Other
Name	Teddy Harlow	
Duty Title	Airfield Safety Officer	
Office Symbol		
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DSN		
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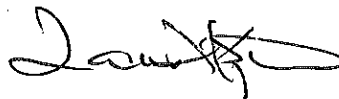
IX. FY20 Annual IPMP Certification

This FY20 Annual IPMP Update is submitted by:	
Name	Timothy P. Christensen
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Command IPMP Annual Update Certification
Armando Rosales
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AFCEC/COSC
139 Barnes Dr. Suite 1
Tyndall AFB, FL 32403
DSN
Armando.rosales.1@us.af.mil
Signature:
Date:

Maintain a signed copy of this form with the IPMP.

APPROVED BY:



LAURENCE P. AKPAN
Acting Director
733 CED

DATE: