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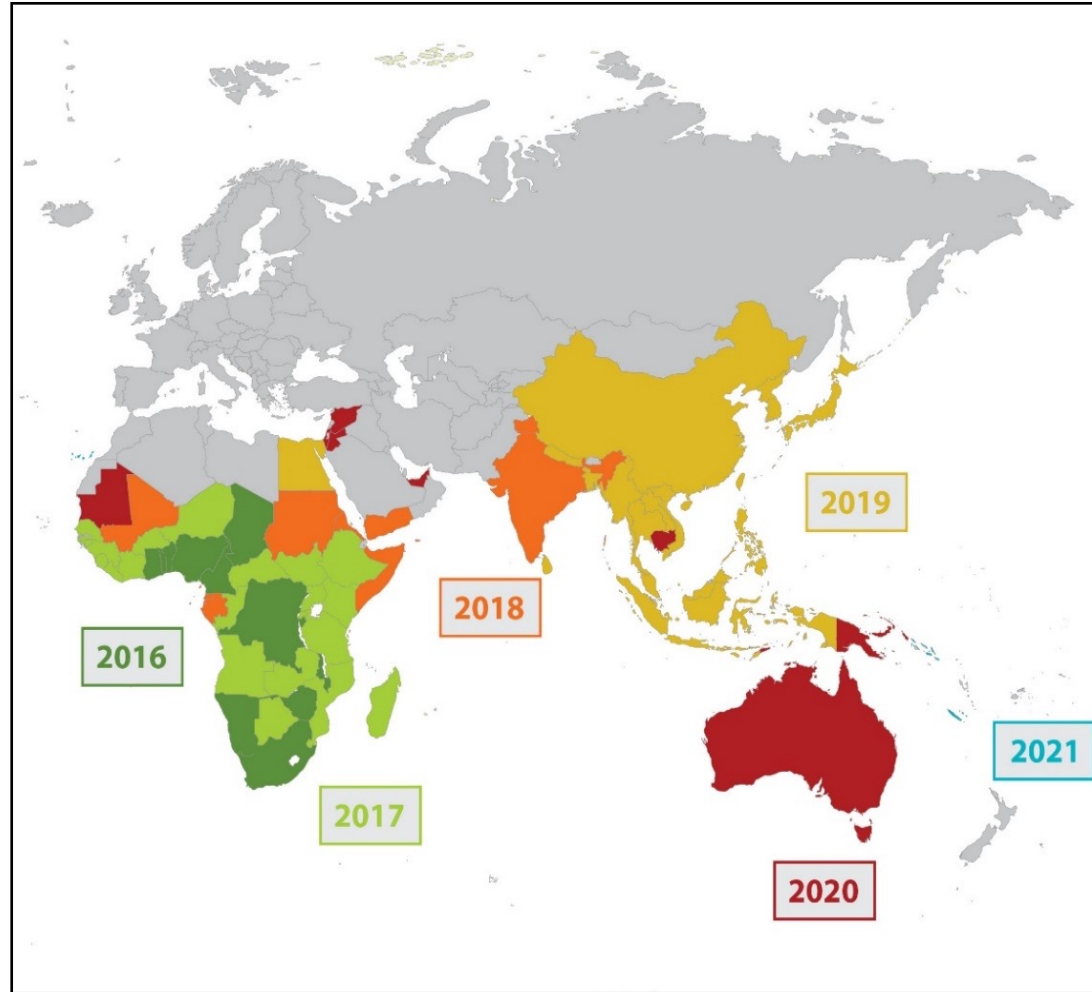
International  
Plant Protection  
Convention

# The Battle Against Fall Armyworm

**Chris Dale - International Biosecurity Specialist**  
**Agricultural Development and Food Security Section, DFAT**



## Fall Armyworm - *Spodoptera Frugiperda*







## Fall Armyworm – A Global Priority Pest

### Farmers say fall armyworm, the 'coronavirus of agriculture', could force up food prices

Landline / By Kristy Sexton-McGrath

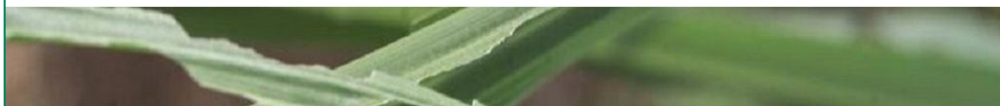
Posted Fri 26 Feb 2021 at 8:45pm

Development 2030

### Armyworms: The hungry caterpillar threatening a global food crisis



### Armyworm invasion: Ghana declares Agric 'state of emergency'



AGRICULTURE

### Sri Lanka President visits maize farms hit by fall armyworm

Monday December 28, 2020 6:41 am

ABC RURAL

### Invasive insect fall armyworm on the march, but scientists fight back with an oozing virus and an egg-attacking wasp

ABC Rural / By Jennifer Nichols

Posted Sat 24 Jul 2021 at 10:59pm

Home » Local » FAO holds training to combat fall armyworm

### FAO holds training to combat fall armyworm

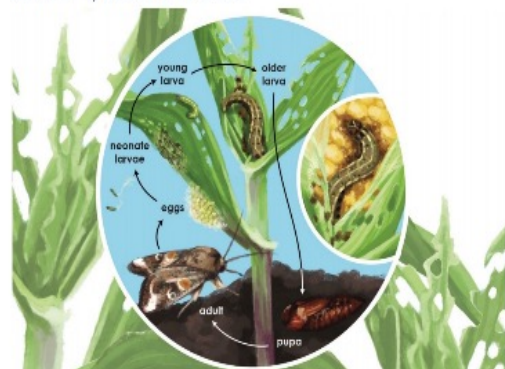
By JT - Aug 29, 2021 - Last updated at Aug 29, 2021

# National Coordination – FAW Prevention, Preparedness, Response and Management

## FALL ARMYWORM CONTINUITY PLAN

for the Australian grains industry

Version 1, November 2020



Credit: E. La F. P. de Cesar, Cesar Pty Ltd

A GRDC investment initiative

Project partners



## Fall Armyworm Trapping and Surveillance Manual

Todd Greenwood and David Britton

Northern Australia Quarantine Strategy, Science and Surveillance Group



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## Fall armyworm

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### Fall armyworm portal

Fall armyworm (FAW), *Spodoptera frugiperda*, arrived on mainland Australia in February 2020.

Since then, FAW has established populations in northern areas of Queensland, the Northern Territory and Western Australia. The movement of FAW is being monitored with movement into more southerly areas expected during warmer months through spring, summer and autumn.

Early indications are that maize and sorghum broadacre crops are a preferred food source for FAW, but it has also been found in some pulses. Potential impacts of FAW on crops grown in more southerly areas and its seasonal migratory range are not yet fully understood.

### Podcast 1 | Fall armyworm

The first series of PBRI Podcasts is on fall armyworm. It explores the experiences and observations of experts from around the globe and here in Australia as we prepare to take on this invasive pest.

Throughout the series, host Chris Brown delves into the biology and behaviour of fall armyworm and explores how we can best prepare ourselves to minimise its impact.



### Episode 1: Fall armyworm biology and ecology in subtropical and temperate US

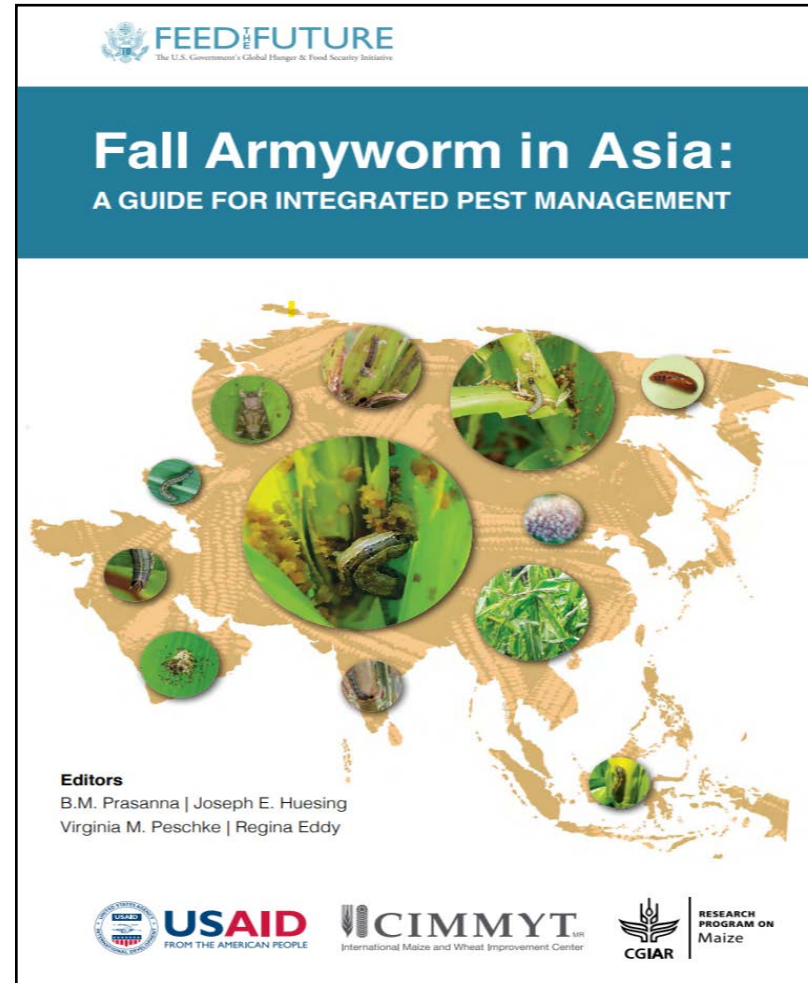
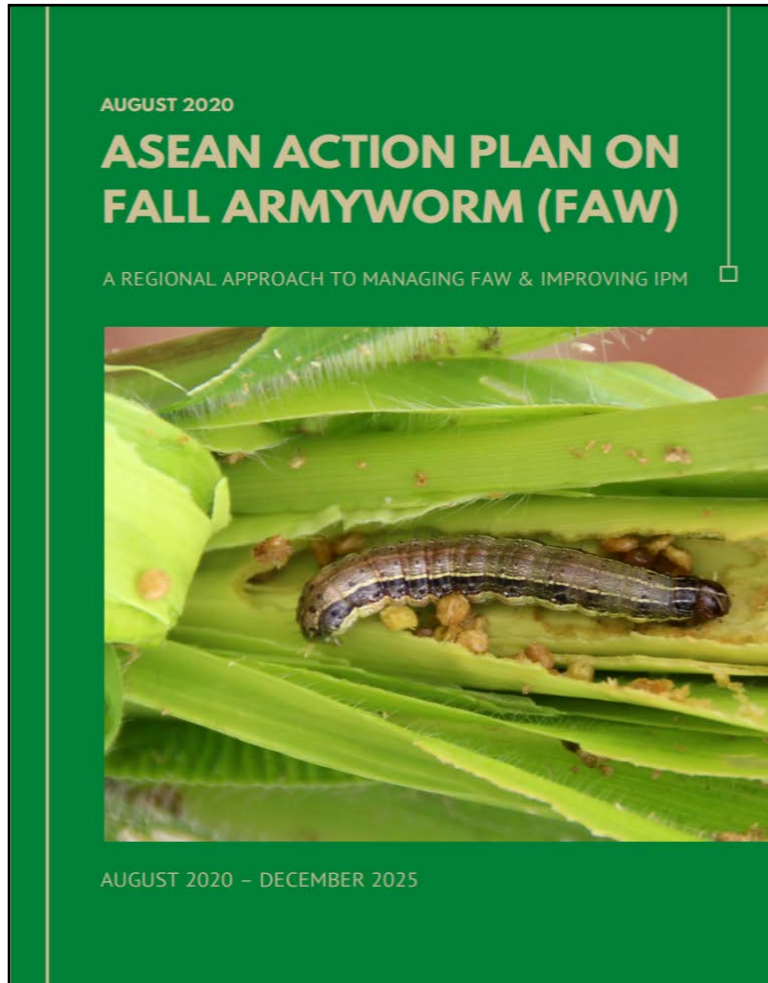
To understand how fall armyworm behaves in different parts of the US, and what this may mean for Australia, we spoke with two American researchers on their work over the past 30 years.

Greg Nuessly from the University of Florida and Dominic Reisig from North Carolina State University discuss their work under subtropical conditions in southern Florida where it is a primary pest every year in the same crops, and in cool temperate conditions in North Carolina where it is more sporadic.



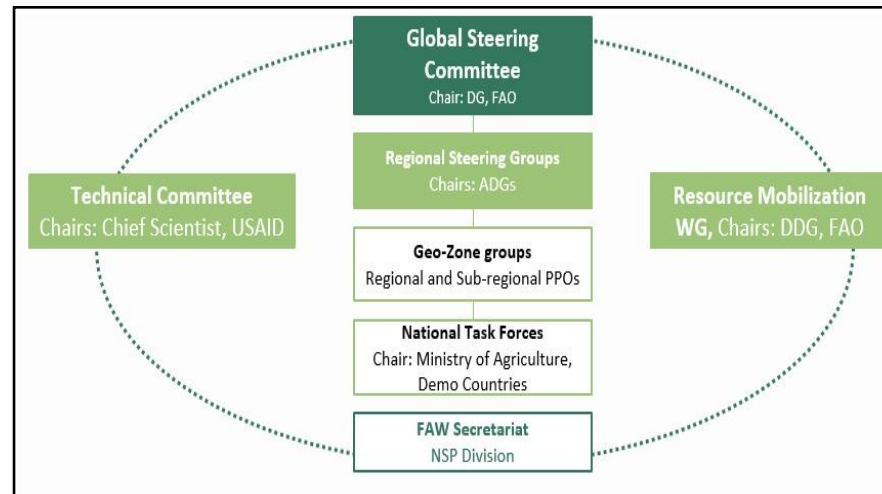
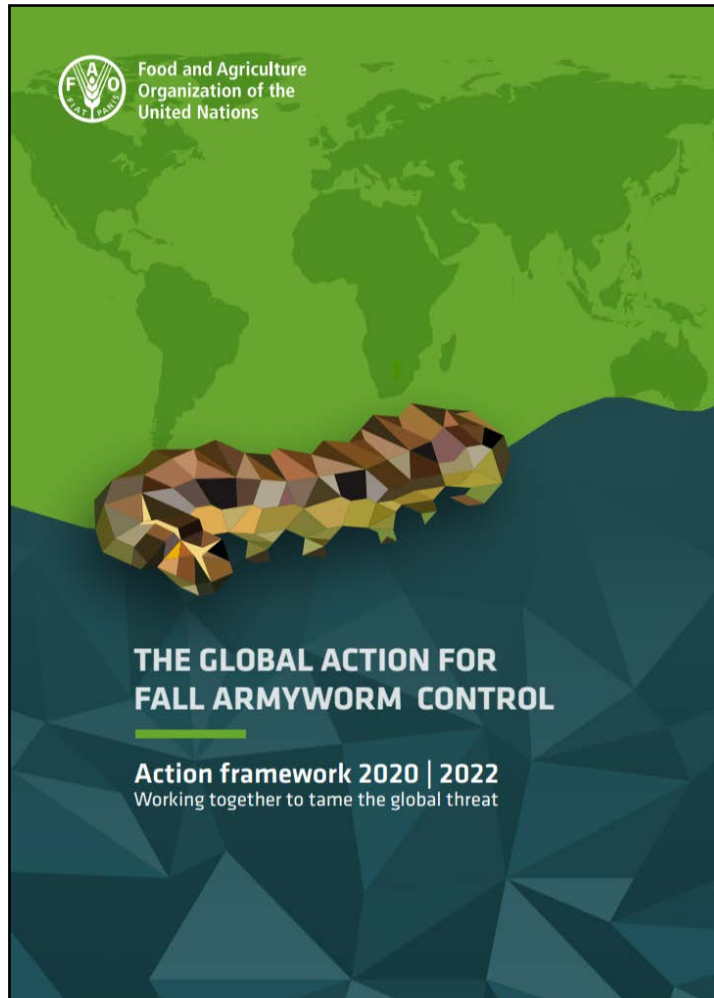


## Regional Coordination – ASEAN FAW Action Plan & PPPO FAW Preparedness





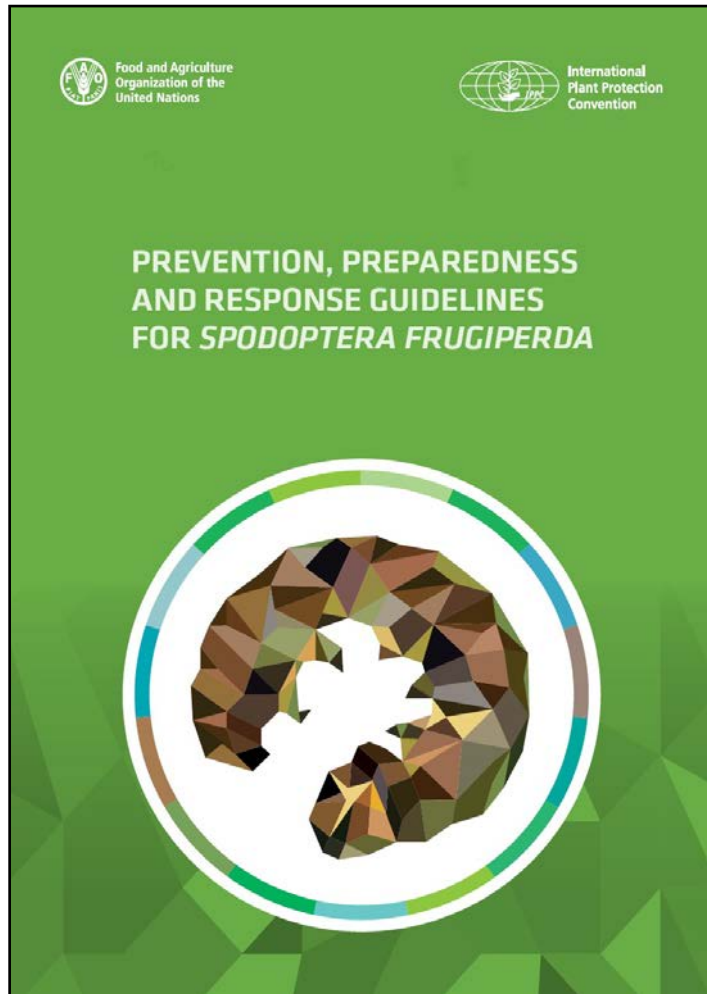
## Global Coordination - FAO Global Action for FAW Control 2020-2022







## FAO/IPPC Technical Working Group - Fall Armyworm Prevention, Preparedness and Response



<https://www.fao.org/documents/card/en/c/cb5880en>





## Global Fall Armyworm Collaboration and Technical Exchange



FALL ARMYWORM research collaboration portal

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### Fall armyworm Research Collaboration Portal

Used by the FAO Global Action for Fall Armyworm Control, the Fall Armyworm R4D consortium, ASEAN Action Plan on Fall Armyworm Control and the International Organisation for Biological Control sub-group on Fall Armyworm

Add updates about your research

Contribute natural enemy records

Ask the community a question

Submit a preprint to agriRxiv

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#fallarmyworm

Mariangela Ciampitti 12h

#Spodopterafrugiperda. Il nostro pieghevole informativo su #Fallarmyworm è citato tra i best examples...  
Per saperne di più  
<https://fitosanitario.regione.lombardia.it/wps/portal/site/s...>

Beastie the Bug @bug\_beastie  
The EPPO Secretariat (@EPPOnews) will carry on using Beastie Twitter account to highlight communication efforts on plant pests.  
Please tag @bug\_beastie and

Here are the 5 most recent updates shared by the community

Title	Replies	Posted	Raw data
New record of larval parasitoid and predatory spiders on Fall Army worm on maize in Tamil Nadu Posted by: Anandhi S	0	September 16, 2021	
New paper on FAW and Bt maize Posted by: Johnnie Van den Berg	0	September 13, 2021	

PEST SURVEY CARD

APPROVED: 26 June 2020  
doi:10.2903/sp.efsa.2020.EN-1895

### Pest survey card on *Spodoptera frugiperda*

European Food Safety Authority (EFSA),  
Mart Kinkar, Alice Delbianco, Sybren Vos

#### Abstract

This pest survey card was prepared in the context of the EFSA mandate on plant pest surveillance (M-2017-0137), at the request of the European Commission. Its purpose is to guide the Member States in preparing data and information for *Spodoptera frugiperda* surveys. These are required to design statistically sound and risk-based pest surveys, in line with current international standards. *Spodoptera frugiperda* is a regulated priority Union quarantine pest in the EU and Member States are therefore required to perform annual surveys. Emergency measures are in place to prevent the introduction into and the spread within the EU. *Spodoptera frugiperda* is not known to occur in the EU, but it could become established in some coastal Mediterranean regions that remain frost-free all year. Climate is therefore a limiting factor for the establishment of the pest. The optimum temperature for development from egg to adult is 28°C. *Spodoptera frugiperda* is a polyphagous pest and detection surveys should mainly target maize, rice and sorghum, while delimiting surveys should cover all host species in the survey area. Due to the high spread capacity of the adults, detection of the moth at low levels of population is crucial to avoid further spread of the pest. Detection surveys to substantiate pest freedom should be based on a trapping strategy. After a finding, trapping should be intensified in the neighbouring fields and combined with the visual examination of host plants for the symptoms and early stages of *S. frugiperda*. Morphological and molecular procedures are both available for the identification of *S. frugiperda*. If experience is lacking or the purpose is to identify the early stages of the pest, molecular methods are preferred over the morphological ones.

© European Food Safety Authority, 2020

**Keywords:** corn leafworm, fall armyworm (FAW), grass worm, *Laphygma frugiperda*, plant pest, survey, risk-based surveillance

**Requestor:** European Commission

**Question number:** EFSA-Q-2019-00287

**Correspondence:** ALPHA@efsa.europa.eu

www.efsa.europa.eu/publications EFSA Supporting publication 2020:EN-1895





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# Thank you

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