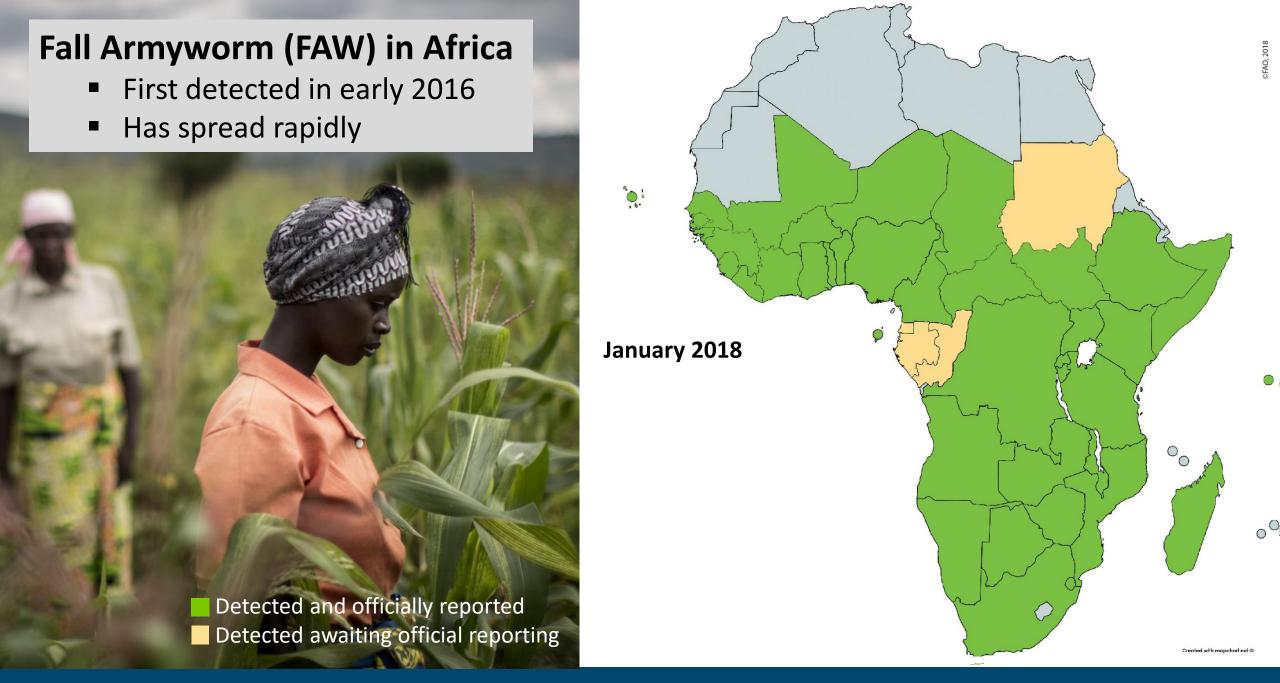


# Fall Armyworm in Africa: Situation & Programme







Sustainable management of Fall Armyworm in Africa: FAO Programme for Action





# **Immediate Responses**



# FAO's actions

- Experts' meeting in Ghana, July 2017
  - Lessons learned from the Americas for the sustainable management of FAW
  - Coordination among partners to ensure coherent work
  - Farmer Field Schools Curriculum Development
- Framework for Partnership for Coordination



# FAO's actions

# Resource Mobilization

- 27 TCP projects: in 25 countries, 1 regional and 1 inter-regional project (USD 7,419,735)
- 1 Trust Fund project funded by OFDA for Eastern Africa (USD 944,000)
- Japan South Sudan
- Irish Ethiopia & Kenya
- Three new TCP-E projects

# **■ FAO Programme for Action**



# FAO's Programme for Action: Sustainable Management of Fall Armyworm in Africa Five components

- Management of FAW: Farmer Education & Communications
- Testing and Validation of FAW Management Practices
- Monitoring, Risk Assessment & Early Warning
- Policy & Regulatory Support
- Coordination





# **FAW Portal**

### **FOOD CHAIN CRISIS**

Food and Agriculture Organization

of the United Nations

Background How we work Resources Early Warning Bulletin FCC threats map

Animal Health

Plant Protection

### Fall Armyworm

Banana fusarium wilt disease

Locusts

Red Palm Weevil

Food Safety



### Fall Armyworm

Fall Armyworm (FAW), or Spodoptera frugiperda, is an insect that is native to tropical and subtropical regions of the Americas. In its larva stage, it can cause significant damage to crops, in not well managed. It prefers maize, but can feed on more than 80 additional species of plants, including rice, sorghum, millet, sugarcane, vegetable crops and cotton. In Africa, FAW was first detected in Nigeria in January 2016 and has quickly spread across virtually all of sub-Saharan Africa. Because of trade and the moth's strong flying ability, it has the potential to spread further. Farmers will need great support to sustainably manage FAW in their cropping systems through Integrated Pest Management.

### FAO's Programme for Action

- · Sustainable Management of the Fall Armyworm in Africa: FAO's Programme for Action (also available in French)
- · Summary of FAO's Programme for Action (also available in French)
- · Presentation on FAO's Programme for Action



### FAW Guidance notes

- 1. Fall Armyworm: Pesticide Risk Reduction
- 2. Fall Armyworm Scouting
- 3. Fall Armyworm Trapping

### Briefing note

Briefing note on Fall Armyworm in Africa 16 February 2018

Map of areas affected by Fall Armyworm 14 February 2018

### Guide on IPM of FAW on maize



### Documents

- · FAO's position on the use of genetically modified maize
- · FAO's position on the use of

### · Key messages on Fall Armyworm

Documents

Armyworm

(FAW) in Africa

in Africa

· FAO's position on the use of

genetically modified maize · FAO's position on the use of

pesticides to combat Fall

· Advisory Note on Fall Armyworm

(also available in French)

(also available in French)

- How to manage Fall Armyworm (Spodoptera frugiperda) (also available in French)
- Fall Armyworm (Spodoptera frugiperda): Identification, biology and ecology (also available in French)
- · Info sheet: Fall Armyworm threatens food security and livelihoods across Africa

### **FAO Conference side event** documents:

- FAO note on Fall Armyworm (also available in French-Spanish)
- · Fall Armyworm Q&A (also available in French-Spanish)
- · Fall Armyworm life cycle (also available in French-Spanish)
- EMBRAPA Presentation
- FAW Side event agenda

Resource Partners Consultative Meeting

28 November 2017 Rome, Italy









HOW TO MANAGE FALL ARMYWORM (Spodoptera frugiperda)



# **FALL ARMYWORM**

(Spodoptera frugiperda): Identification, biology

Fall Armyworm (FAW) is a r











# Fall Armyworm Management SIMPLE GUIDE FOR SMALLHOLDERS



DAMAGE

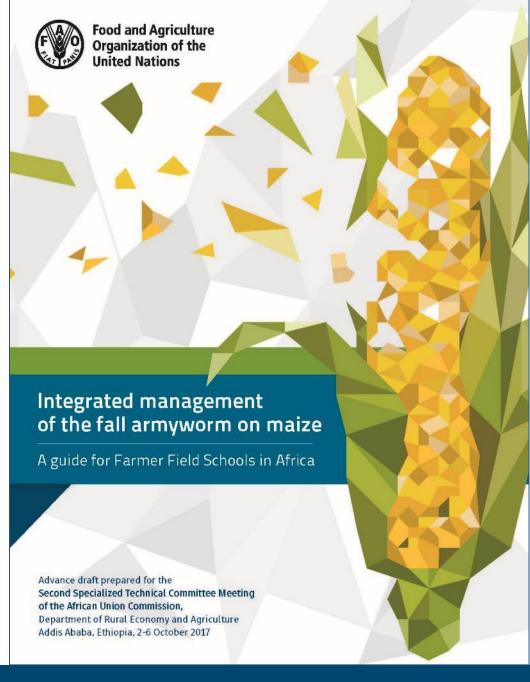
### **PREVENT**

Sustainable management of Fall Armyworm (FAW) starts with prevention. There are actions that farmers can take before or when planting their fields to reduce infestation and impact of FAW in their crops. Key first steps include:

# Farmer education & Communications

# Farmer Field Schools

- Guide developed and launched
  - – English & French
- Sub-regional trainings planned in early 2018
- National-level roll-out of FFS
- Linking to national programmes, NGOs, IFAD, etc.



# **Testing & Validation of practices**

- Prevent with plant diversity.
- "Recycling" pathogens.
- Attract predators & parasitoids.
- Locally produced biological controls (Trichogramma, Bt)
- Locally-available substances (ash, soaps, botanicals, , applied directly to the whorl of infested plants.



# **Pesticides**

- Review of pesticide use including costs
- Advise to countries and regulators regarding pesticides – especially Highly Hazardous Pesticides
- Engagement of private sector of biopesticides
- Work with pesticide registration systems
- FAO Call of Interest bio-pesticides

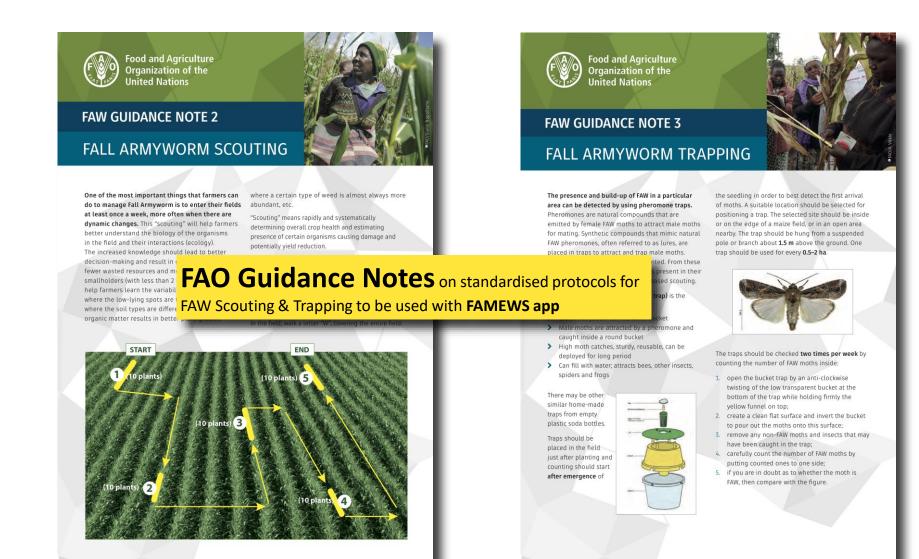


# Fall Armyworm Monitoring and Early Warning System (FAMEWS)

MONITORING = FIELD SCOUTING + PHEROMONE TRAPPING



FAMEWS mobile app developed by FAO IT-Services



www.fao.org/food-chain-crisis/how-we-work/plant-protection/fall-armyworm/en/

# FAMEWS Update:

- 1. FAMEWS mobile app was deployed in all African countries on 1 March.
- 2. FAO IT-Solutions is developing the Global Platform that allows national FAW Focal Points to validate their data before it is available for mapping and analysis.
- 3. Nearly all Sub-Saharan countries have FAW Focal Points deployment of FAMEWS

mobile app and pheromone traps.

4. App (bit.ly/2FKraru) and training kit with docs, presentations, (bit.ly/2BZEW8q) available online in English/French.



# Coordination

- National Task Forces
- Framework for Coordination endorsed by the STC of the African Union
- Technical Working Groups



# **Next steps: FAW Programme & Partnership**

- Testing & Validation of practices
- Massive roll-out of Farmer Field Schools & Farmer education
- Massive roll-out of FAMEWS
- Pesticide use & policy
- Increasing partnerships & coordination
- Resource mobilization
- Costed Five-year programme: US\$ 87.5 million



# FAO Fall Armyworm in Africa Programme for Action

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