



Developing training plans for sustainable FAW management

Overall goal of our FAW training plan?

- Take out your phone (or open a new internet page)
- Connect to:

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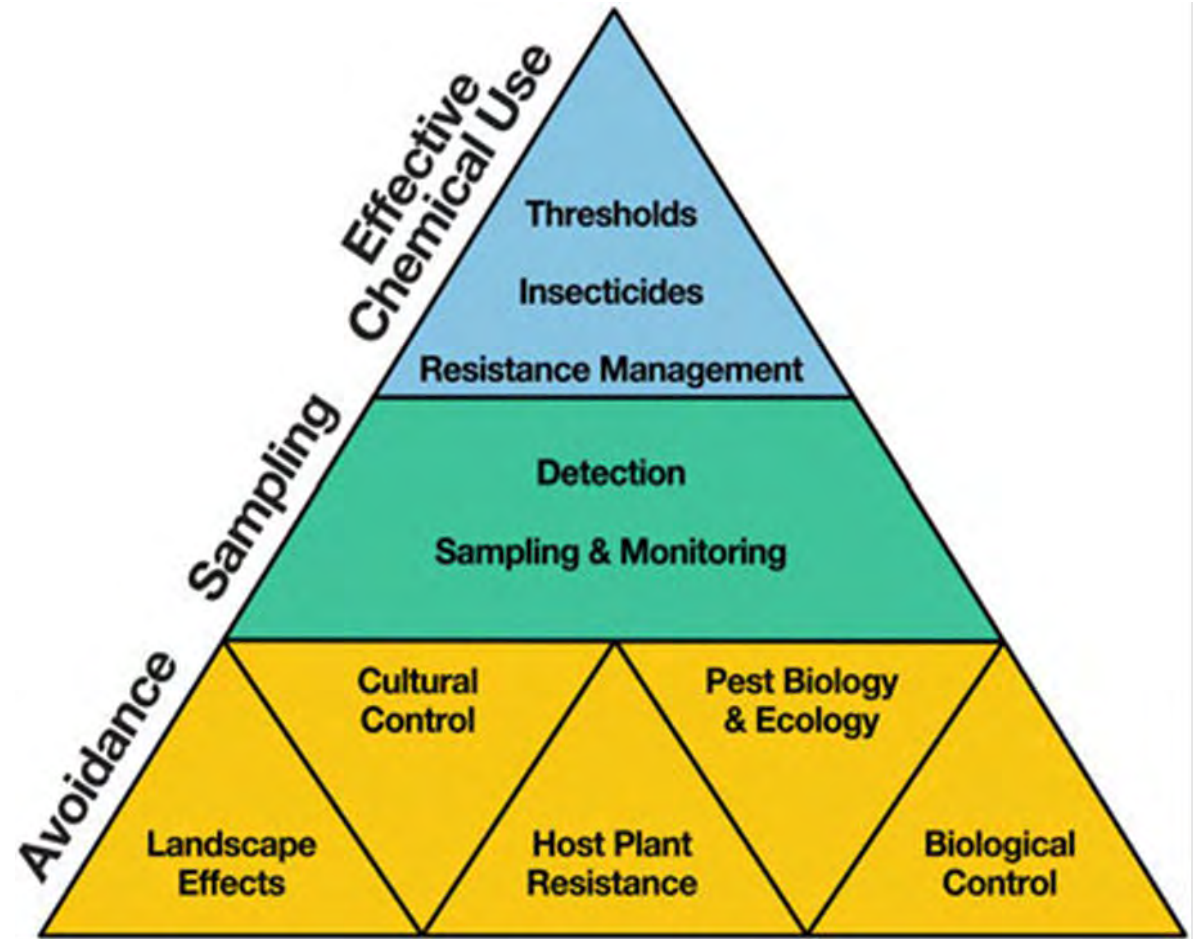
(1) WHY - Overall goal of our FAW training plan?

- Ensure that farmers take well-informed decisions on FAW management to minimize negative impacts of the pest, building on biocontrol and sound IPM approaches
 - Define the process of working with stakeholders in support of this
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(2) WHAT- Ensure sound IPM and biocontrol strategies

Consider IPM pyramid when designing IPM strategy / training content



IPM Pyramid (Naranjo 2011)



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WHAT- Ensure sound IPM and biocontrol strategies

Consider IPM pyramid when defining training content

Enhance and support access to biological control



- Conservation of already existing NEs
- Potential NEs/entomopathogens - production and releases; classic biological control
- Access to biocontrol :
 - commercial
 - government production and release
 - farmer production of NEs/entomopathogens
 - fast track registration

India, China, Thailand...

WHAT- Ensure sound IPM and biocontrol strategies

Consider IPM pyramid when defining training content

Encourage and enhance biological control

Pesticides as last resort



If pesticides are used...

- Avoid Highly Hazardous Pesticides
- Favour low-tox and effective pesticides compatible with IPM
Paul Jepson's guidance
- Are seed treatments IPM-compatible?
- Train farmers, trainers, pesticide vendors on risk reduction

Selection of pesticides to reduce human and environmental health risks: a global guideline and minimum pesticides list

Paul C. Jepson et al

- [https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196\(19\)30266-9/fulltext](https://www.thelancet.com/journals/lanplh/article/PIIS2542-5196(19)30266-9/fulltext)

WHAT - Ensure sound IPM and biocontrol strategies

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Pesticides as last resort

Stakeholders



farmers facilitators/trainers

researchers

policy make

plant protection system



WHAT- Ensure sound IPM and biocontrol strategies

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Stakeholders

Fine tune options using action research



- Local adaptations – what works/what doesn't
- Participatory action research
- Farmer Field Schools as jumping board

HOW - Reaching & empowering farmers

- **Assess context and farmer needs:** Is maize important in farming system? How much time farmers want to spend learning on maize ? FAW infestation levels ? what do farmers need to know/do for sound IPM ?
Northern vs Southern Lao

- **Suit learning objectives & training modalities to context**
Instant Messaging ? On-line learning and exchange? Action research ? Short courses? Season-long FFS?
Are men/women/old/young farmers using digital technologies?

Kenya Vs Phillipines

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Photo FAO/A.S Poisot

HOW - Reaching & empowering farmers (1)

- **Assess context and farmer needs**: is maize important in farming system? How much time farmers want to spend learning on maize ? FAW infestation levels ? what do farmers need to know/do for sound IPM ?
Northern vs Southern Lao
- **Suit the learning objectives & training modalities to the different contexts.** Instant Messaging ? On-line learning and exchange? Action research ? Short courses? Season-long FFS? Are men/women/old/young farmers using digital technologies?
Kenya Vs Phillipines
- **Sometimes simple messages might be most suited** - Define them through action research processes ; set up peer groups using social media; ensure support by technicians
- Build skills on **digital facilitation and learning**, for facilitators and farmers

HOW- Reaching and empowering farmers (2)



- **Consider COVID context**
- **Design training of facilitators courses** based on above
- **FFS** Fine tune FFS curriculum to specific context; integrate on-line learning and on-line exchanges
- **Community mobilization for FAW management:** active monitoring role of community, optimizing biocontrol and IPM, linking with PP & research
FAMEWS & other tools
- **Networking** - farmer peer groups; facilitator exchanges at local, national and regional level

(4) Creating an enabling environment for training

- Advocacy at policy level to ensure funds/support to training, investing in farmers and ecosystems !
 - Policy support and interest for action research and participatory innovations with farmers
- Regulatory frameworks for biocontrol, biopesticides, assessment and registration of insecticides compatible with IPM and biocontrol

Bangladesh

