

# MANAGE FALL ARMYWORM IN 3 STEPS



**1. Incorporate agronomic actions**



**2. Identify pest and decide when to treat**



**3. Control FAW using IRM principles**

## Implement Integrated Pest Management (IPM) Through The Season



Fall Armyworm – FAW – *Spodoptera frugiperda*

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IRM – Insecticide Resistance Management

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# STEP 1. INCORPORATE AGRONOMIC ACTIONS

**BE ALERT:** Manage risk of FAW using agronomic practices

**Plan crop and pest management program before the season starts**

**Rotate to non-host crops which reduces future FAW populations**



## Control weeds

- Removes host for FAW egg laying and feeding
- Weeds compete for nutrients and impact corn growth



## Remove cover crop and volunteers

Prevents larval movement to seedling corn



## Plant early with first rains

May provide significant window for crop growth prior to FAW infestation and minimizes time in susceptible "stem cutting" stage

Plant here



Avoid planting



## Apply fertilizer to recommendation

Excessive fertilizer will not protect yield and/or compensate for FAW damage



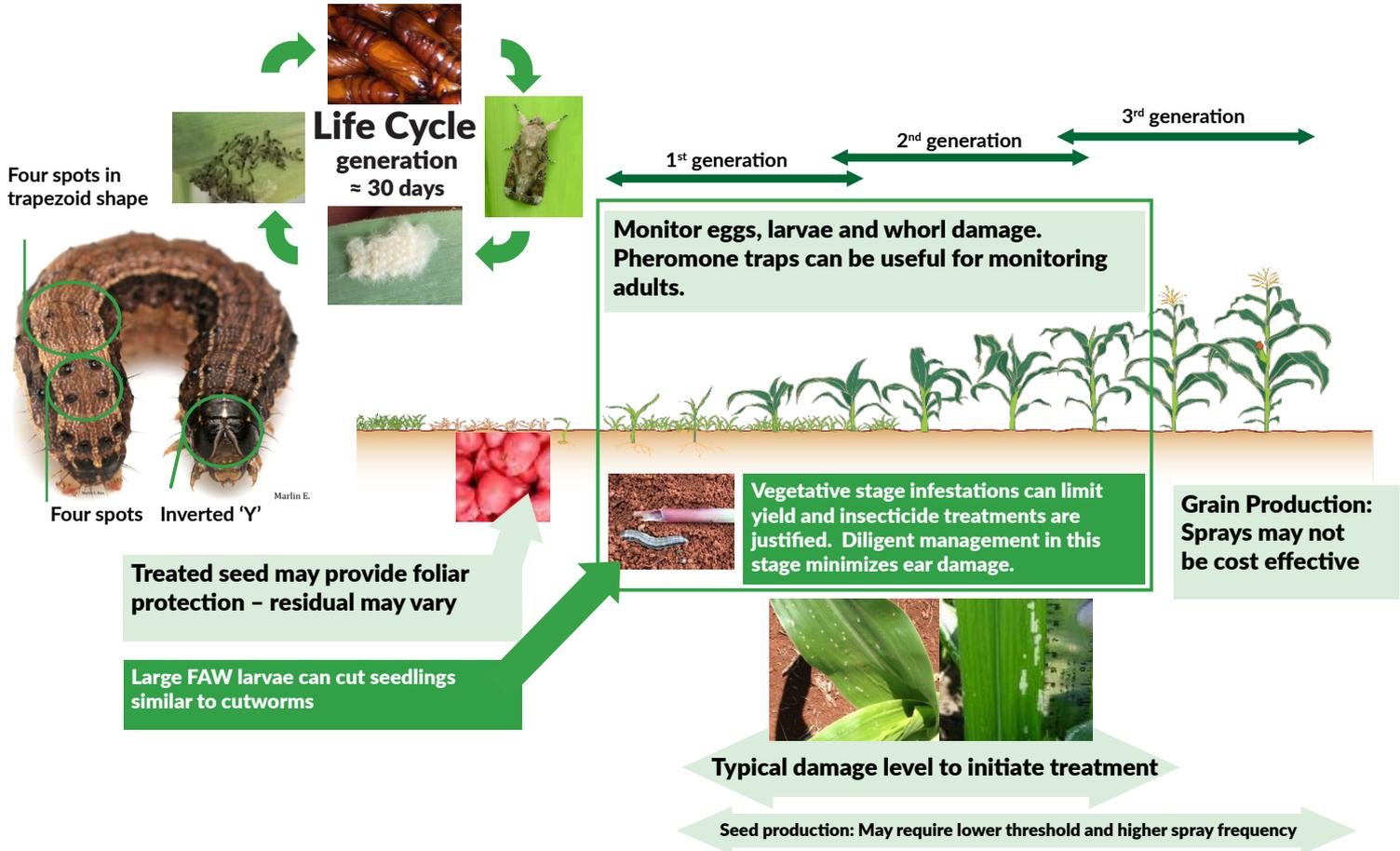
## Post-harvest: Destroy infested plants and crop residue

Sanitation practices control FAW and reduce future FAW populations



# STEP 2. IDENTIFY PEST AND DECIDE WHEN TO TREAT

BE ALERT: FAW may occur throughout the season, but only treat when necessary



# STEP 3. CONTROL FAW USING IRM PRINCIPLES



**BE ALERT:** Delay resistance by applying different MoAs against sequential pest generations

## Insecticide Resistance Management Strategy: Rotate Modes of Action (MoA)



- Alternate different MoA products between spray “Windows”
- Window is length of pest generation or ~30 days
- Residual activity of MoA “Window” should not exceed 30 days
- Do not use same MoA in sequential “Windows”
- “Windows” MoA rotation applies to solo and mixture products
- Always apply insecticides according to product labels

- Identify MoA Number from product label or IRAC MoA smart phone App or other sources
- Products with same number have the same MoA

## The Examples of MoA Numbers on Product Labels

Single MoA	GROUP	1	INSECTICIDE
Two MoAs	GROUP	1	INSECTICIDE
	GROUP	2	INSECTICIDE

## Insecticide Rotation Program

- Strongly Recommended ✓✓
- Recommended ✓
- Not Recommended ✗

