

Fall Armyworm (FAW) on Maize

Sudan

Spodoptera frugiperda

	Prevention	Scouting	Direct control	Direct control	Restrictions		
<image/>	 Plant early, with the first rains, as Fall Armyworm (FAW) populations build up later in the crop season. Avoid planting at different times as this provides a continuous source of food for FAW. If available, plant maize varieties with resistance to FAW. Consider planting maize varieties with short maturity periods. Ensure optimum use of fertilizer for healthy and vigorous maize plants, so that they can compensate for pest damage. Keep the area around the plot free of weedy 	 Start scouting as soon as maize seedlings emerge. Scout 10-20 consecutive plants in 5 different locations in the field and calculate % of infestation (See Scouting Form). Look for signs of FAW feeding: FAW are easiest to control when the larvae are very small. FAW larvae are extremely hard to find when they are small. Look for FAW feeding signs in the central emerging leaves (whorl): light coloured patches ("window panes") and elongated holes. Look for accumulation of 	 This Green Column describes control options that are safest for smallholder farmers. On small-scale farms, handpick and destroy the egg masses and larvae. 	 safety precautions for smallf. Avoid spraying broad spe beneficial insects or harm Only select products with those listed below. Personal Protective Equip exposure to insecticides. The Pre-Harvest Interval a pesticide and when that below were determined w value on the pesticide lab The Restricted Entry Into spraying before anyone si provided apply to situation printed on the pesticide la please observe the longer 	ctrum synthetic insecticides which might I the applicator. proven success in controlling FAW, such oment (PPE) must be worn to minimize PPE includes coveralls, gloves, respirator (PHI) is the time between the application crop can be harvested. The PHI values ith a precautionary approach, but if the PI el is higher, observe the longer period. erval (REI) is the period of time after hould re-enter the field. The REI values as in which PPE is not available. If the REI bel is longer than the value given below, r period. all Armyworm in Africa: A Guide for Integrated Pest O Recommended Classification of Pesticides (WHO)		
	 grasses. Plant hedgerows of leguminous trees or perennial flowering plants around the fields, to the extent possible, to provide shelter to beneficial insects, predators and birds. Intercrop maize with 	FAW excreta in the whorl. Decision point:		Bacillus thuringiensis	 REI 1 day; PHI 1 day WHO Class III Slightly Hazardous 		
around the fields, to the extent possible, to provide shelter to beneficial insects, predators and birds.		 At early whorl stage (knee high), take action if >20% of plants are damaged. 		♦ Spinetoram	 REI 1 day; PHI 3 days WHO Class U Unlikely Acute Hazard 		
		 At late whorl stage (shoulder high), take action if >40% of whorls are freshly damaged. 		Chlorantraniliprole	 REI 1 day; PHI 21 days WHO Class U Unlikely Acute Hazar 		
	 At tassel and silk stage, do not spray pesticides. 		 Acetamiprid + Lambda- cyhalothrin 	 REI 1 day; PHI 21 days WHO Class II Moderately Hazardou 			



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fallarmyworm@usaid.gov. Plantwise is supported by a consortium of donors. See www.plantwise.org.

LOSE LESS, FEED MORE

Scouting Form

Planting Date:	Dist	trict:		Location:									Your name:								
	We	ek 1						Wee	ek 2						Wee	ek 3					
Sampling Date																					
Maize Growth Stage:																					
Dates of rainfall/intensity:																					
Insecticides Applied/Rates/Dates:																					
Pheromone Trap Data			R	aise t	he tra	p as the	e maiz	e gro	ws tal	ler. Ke	eep th	e bot	tom of t	he tra	ip 30	cm ab	oove t	he pla	ints.		
Number of FAW moths:																					
Number of AAW moths:																					
Early Whorl Stage (VE-V6)	Examine two to three (2-3) newest leaves emerging from the whorl.																				
Five Stops	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%
#Plants with fresh window																					
panes/Total																					
#Plants with infested whorls/																					
Total																					
Late Whorl Stage (V7-VT)			Ex	amin	e thre	e to fou	ır (3-4) nev	vest le	aves	emer	ging f	rom the	who	rl plus	s the e	emerg	ging ta	issel.		
Five Stops	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%
#Plants with fresh window																					
panes/Total																					
#Plants with infested whorls/																					
Total																					
Tassel & Silk Stage (R1-R3)					Ех	amine	ear(s)	plus l	leave	and	leaf a	xils at	, above	, and	belov	v the	ears.				
Five Stops	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%	1	2	3	4	5	Sum	%
#Plants with any fresh																					
damage/Total																					
#Plants with worms/																					
Total																					
#Plants with damaged																					
ear/cob/Total																					