



TEMPLATE FOR NATIONAL BASELINE STUDIES  
GLOBAL ACTION FOR FALL ARMYWORM CONTROL  
(APRIL 2020)

KEY AREA	BASELINE PARAMETER
<b>National Level Coordination</b>	Presence of a National FAW Task Force
	If Yes, definition of the purpose and key focus
	Availability of terms of reference
	Institutional composition
	Frequency of meetings of the National FAW Task Force
	Functions and roles (collectively and by individual Task Force member institutions)
	Presence or absence of a National Action or Implementation Plan/Work Plan/Response Road Map
	Level of partnership and collaboration with national academic institutions (specify which ones and in which areas)
	Level of partnership and collaboration with national and international research organizations institutions (specify which ones and in which areas)
	Major achievements or progress of the national task force (against work plan output targets) since its establishment
State of awareness of FAW among main stakeholders including farmers, extension workers, academics, and government policy and decision makers (provide information by categories); Presence of a national FAW communication plan	

KEY AREA	BASELINE PARAMETER
<b>FAW infestation and impacts on maize production</b>	Description of maize agricultural seasons and respective calendar months for each season
	Host range for FAW in country (e.g: maize, sorghum, millet, sugarcane, etc)
	Hectares of maize grown and national annual production before FAW
	Hectares of maize grown and national annual production with FAW
	Average productivity before FAW (kg/ha)
	Average productivity since FAW invasion (kg/ha)
	Number of households presently affected by FAW
	Average household size at the national level
	FAW prevalence as % infestation (provide range)
	Yield losses due to FAW % (national average; and range), economic value of yield losses per ha
	Quality of maize cobs and grain at harvest before FAW
	Quality of maize cobs and grain at harvest with FAW
	Economics of maize/sorghum/millet/rice production before FAW
	Economics of maize/sorghum/millet/rice production with FAW

KEY AREA	BASELINE PARAMETER
<b>Capacity for FAW Management</b>	Current recommended/standard methods for FAW control/management
	Relative effectiveness of recommended/standard methods for FAW control/management
	Cost effectiveness and risk to human health and the environment of current recommended/standard methods for FAW control/management
	Levels of adoption by farmers of current recommended/standard methods for FAW control/management
	Emerging innovative methods of FAW control since discovery of the pest
	Levels of farmer training on basic understanding FAW (identification, bio-ecology and crop damage and control) - Consider using a <b>1 to 3 scale</b> where <b>1 is no training, 2 is basic information from awareness materials and 3 complete training</b> and farmers are able to use the knowledge to scout own fields and make informed decisions on when to treat their fields and with a chosen sustainable FAW management option that is based on informed choices.
	Levels of farmer training on integrated pest management (IPM) (Consider using a 1 to 3 scale where 1 is no training, 2 is basic information from awareness materials and 3 complete training and farmers are able to use the knowledge to scout own fields and make informed decisions on when to treat their fields and with a chosen sustainable FAW management option that is based on informed choices)
	Number and type of farmer level validation and testing studies on FAW management practices successfully conducted and reported
	Mechanism(s) for farmer education on FAW and its management
	Types of information materials available on FAW and its management
	Use of Geographical Information System (GIS) for mapping and monitoring of FAW infestations
	Presence of facilities for rearing FAW natural enemies
Methods for dissemination to farmers on information materials available of FAW and its management	

KEY AREA	BASELINE PARAMETER
<b>Monitoring, Early Warning and Prevention of the further spread of FAW</b>	Existing tools for FAW monitoring and early warning (define the tools, level of coverage of the country and frequency of data capture)
	Mechanism for analysis and dissemination of data on FAW monitoring and early warning
	Presence of a national focal point to coordinate FAW monitoring and early warning
	Presence of a national level plant protection network for addressing FAW
	Policy and legal framework overarching FAW monitoring, early warning and management
<b>Comments from the National Task Force</b>	Challenges on national coordination and suggested solutions
	Challenges on FAW management and proposed solutions
	Challenges experienced with FAW monitoring and early warning systems and proposed solutions
	Proposed strategies to overcome above challenges