Plan of Results and Budget 2022-24 (PORB)

USD

Plant Health and Rapid Response to Protect Food Security and Livelihoods

31 Mars 2022

Contents

Consolidated

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods CONSOLIDATED												
WP/Results		2022						2023		2024	2025	
		Implementation Timeline				Budget		Implementation Timeline				
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Initiative	*Crosscutting across Work Packages*	x	x	x	x	1,629,817	***10,371,599***	x	x	x		
	Work Package 1	x	x	x	x	1,826,524		x	x	x		
	Work Package 2	x	x	x	x	1,614,948		x	x	x		
	Work Package 3	x	x	x	x	2,781,504		x	x	x		
	Work Package 4	x	x	x	x	1,135,518		x	x	x		
	Work Package 5	x	x	x	x	1,283,288		x	x	x		
	Work Package 6					-						
	Innovation packages & Scaling Readiness		x	x	x	100,000		x	x	x		
	TOTAL	***x***	***x***	***x***	***x***	***10,371,599***		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*	x	x	x	x	390,232		x	x	x		
	Partners (Non-CG) Grants and their management		x	x	x	1,104,661		x	x	x		
	Science Leadership Costs		x	x	x	134,924		x	x	x		
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	WP SubTotal	***x***	***x***	***x***	***x***	***1,494,893***		***x***	***x***	***x***		

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	*145,379*		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	*536,411*		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D	*x*	*x*	*x*	*x*	*617,097*		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis	*x*	*x*	*x*	*x*	*504,637*		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities	*x*	*x*	*x*	*x*	*23,000*		*x*	*x*	*x*	
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	WP SubTotal	***x***	***x***	***x***	***x***	***1,826,524***		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*	*x*	*x*	*x*	*x*	*28,722*		*x*	*x*	*x*	
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners	*x*	*x*	*x*	*x*	*20,000*		*x*		*x*	
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications		*x*	*x*	*x*	*64,749*		*x*	*x*	*x*	
	Improved PH data management system with data harnessing tools	*x*	*x*	*x*	*x*	*275,862*		*x*	*x*	*x*	
	Models for predicting P&D risks and shifts due to climate change and other factors	*x*	*x*	*x*	*x*	*468,894*		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding	*x*	*x*	*x*	*x*	*524,517*		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies	*x*	*x*	*x*	*x*	*86,453*		*x*	*x*	*x*	
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions	*x*	*x*	*x*	*x*	*39,177*		*x*	*x*	*x*	
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases	*x*	*x*	*x*	*x*	*106,574*		*x*	*x*	*x*	
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	WP SubTotal	***x***	***x***	***x***	***x***	***1,614,948***		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*	*x*	*x*	*x*	*x*	*214,924*		*x*	*x*	*x*	
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	*1,507,021*		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities	*x*	*x*	*x*	*x*	*154,511*		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms	*x*	*x*	*x*	*x*	*536,704*		*x*	*x*	*x*	
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations	*x*	*x*	*x*	*x*	*50,289*		*x*	*x*	*x*	
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)			*x*	*x*	*20,000*		*x*	*x*	*x*	
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries	*x*	*x*	*x*	*x*	*178,392*		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs		*x*	*x*	*x*	*99,664*		*x*	*x*	*x*	
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations			*x*	*x*	*20,000*		*x*	*x*	*x*	
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	WP SubTotal	***x***	***x***	***x***	***x***	***2,781,504***		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*	*x*	*x*	*x*	*x*	*86,717*		*x*	*x*	*x*	
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed	*x*	*x*	*x*	*x*	*36,000*		*x*	*x*	*x*	
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets	*x*	*x*	*x*	*x*	*314,416*		*x*	*x*	*x*	
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence	*x*	*x*	*x*	*x*	*24,000*		*x*	*x*	*x*	
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%	*x*	*x*	*x*	*x*	*539,385*		*x*	*x*	*x*	
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.	*x*	*x*	*x*	*x*	*135,000*		*x*	*x*	*x*	
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	WP SubTotal	***x***	***x***	***x***	***x***	***1,135,518***		***x***	***x***	***x***	

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*	*x*	*x*	*x*		*20,233*		*x*				
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified		*x*	*x*	*x*	*164,709*		*x*	*x*	*x*		
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance		*x*	*x*	*x*	*93,764*		*x*	*x*	*x*		
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations			*x*	*x*	*33,000*		*x*	*x*	*x*		
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations	*x*	*x*	*x*	*x*	*461,523*		*x*	*x*	*x*		
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects	*x*	*x*	*x*	*x*	*462,693*		*x*	*x*	*x*		
	A digital platform on plant health management established with support from national partners		*x*	*x*	*x*	*47,367*		*x*	*x*	*x*		
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	WP SubTotal	***x***	***x***	***x***	***x***	***1,283,288***		***x***	***x***	***x***		
Work Package 6						-						
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	WP SubTotal					-						
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*		*x*	*x*	*x*	*100,000*		*x*	*x*	*x*		
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x					-		*x*	*x*	*x*		
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	WP SubTotal		***x***	***x***	***x***	***100,000***		***x***	***x***	***x***		

AfricaRice

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *AfricaRice*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*					-	***578,724***					
	Work Package 1		*x*	*x*	*x*	162,725		*x*	*x*	*x*		
	Work Package 2		*x*	*x*	*x*	133,262		*x*	*x*	*x*		
	Work Package 3		*x*	*x*	*x*	212,313		*x*	*x*	*x*		
	Work Package 4		*x*	*x*	*x*	70,425		*x*	*x*	*x*		
	Work Package 5					-						
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL		***x***	***x***	***x***	**578,724**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management											
	WP SubTotal					-						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*		*x*	*x*	*x*	8,018		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established		*x*	*x*	*x*	42,315		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D		*x*	*x*	*x*	82,771		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis			*x*	*x*	29,621		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal		***x***	***x***	***x***	**162,725**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools		*x*	*x*	*x*	20,567		*x*	*x*	*x*	
	Models for predicting P&D risks and shifts due to climate change and other factors		*x*	*x*	*x*	78,274		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding		*x*	*x*	*x*	20,535		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies			*x*	*x*	13,886		*x*	*x*	*x*	
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	Fit-for-purpose communication, advocacy, and capacity development strategies and policy briefs (at least 4) with actionable recommendations to target LMICs										
	WP SubTotal		***x***	***x***	***x***	**133,262**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*											
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases		*x*	*x*	*x*	212,313		*x*	*x*	*x*		
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities											
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms											
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations											
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)											
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries											
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs											
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations											
	WP SubTotal		***x***	***x***	***x***	**212,313**		***x***	***x***	***x***		
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*		*x*	*x*	*x*	38,717		*x*	*x*	*x*		
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed											
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets											
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence											
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%		*x*	*x*	*x*	31,708		*x*	*x*	*x*		
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.											
	WP SubTotal		***x***	***x***	***x***	**70,425**		***x***	***x***	***x***		

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations										
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects										
	A digital platform on plant health management established with support from national partners										
	WP SubTotal					-					
Work Package 6											
	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					

Bioversity

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *Bioversity*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	369,732	***926,901***					
	Work Package 1		*x*	*x*	*x*	135,732		*x*	*x*	*x*		
	Work Package 2		*x*	*x*	*x*	92,499		*x*	*x*	*x*		
	Work Package 3		*x*	*x*	*x*	275,049		*x*	*x*	*x*		
	Work Package 4					-						
	Work Package 5		*x*	*x*	*x*	53,889		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL		***x***	***x***	***x***	**926,901**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	369,732						
	WP SubTotal		***x***	***x***	***x***	**369,732**						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*		*x*	*x*	*x*	10,000		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established										
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D		*x*	*x*	*x*	75,474		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis		*x*	*x*	*x*	50,258		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal		***x***	***x***	***x***	**135,732**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications		*x*	*x*	*x*	64,749		*x*	*x*	*x*	
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors		*x*	*x*	*x*	27,750		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding										
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	WP SubTotal		***x***	***x***	***x***	**92,499**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*										
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases		*x*	*x*	*x*	196,464		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities			*x*	*x*	39,293		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms										
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries			*x*	*x*	39,293		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal		***x***	***x***	***x***	**275,049**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified		*x*	*x*	*x*	26,945		*x*	*x*	*x*	
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance		*x*	*x*	*x*	26,945		*x*	*x*	*x*	
	WP SubTotal		***x***	***x***	***x***	**53,889**		***x***	***x***	***x***	
Work Package 6											
	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					

CIAT

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *CIAT*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*	*x*	*x*	*x*	*x*	84,333	***561,126***	*x*	*x*	*x*		
	Work Package 1		*x*	*x*	*x*	298,948		*x*	*x*	*x*		
	Work Package 2		*x*	*x*	*x*	177,845		*x*	*x*	*x*		
	Work Package 3					-		*x*		*x*		
	Work Package 4					-						
	Work Package 5					-						
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**561,126**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*	*x*	*x*	*x*	*x*	84,333		*x*	*x*	*x*		
	WP SubTotal	***x***	***x***	***x***	***x***	**84,333**		***x***	***x***	***x***		

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*		*x*	*x*	*x*	34,908				*x*	
	Regional diagnostic hubs and surveillance network established		*x*	*x*	*x*	70,000		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D			*x*	*x*	144,040		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis			*x*	*x*	50,000		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal		***x***	***x***	***x***	**298,948**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*		*x*	*x*	*x*	8,722		*x*	*x*	*x*	
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners							*x*		*x*	
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications							*x*	*x*	*x*	
	Improved PH data management system with data harnessing tools		*x*	*x*	*x*	94,639		*x*	*x*	*x*	
	Models for predicting P&D risks and shifts due to climate change and other factors							*x*			
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding		*x*	*x*	*x*	74,484		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies							*x*		*x*	
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases							*x*	*x*	*x*	
	WP SubTotal		***x***	***x***	***x***	**177,845**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*							*x*		*x*	
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases										
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities									*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms									*x*	
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries							*x*		*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs									*x*	
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal					-		***x***		***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
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	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations										
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects										
	A digital platform on plant health management established with support from national partners										
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	WP SubTotal					-					
Work Package 6	*0*										
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	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
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CIMMYT

Entity: *CIMMYT*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	361,232	***1,898,796***	*x*	*x*	*x*		
	Work Package 1	*x*	*x*	*x*	*x*	256,653		*x*	*x*	*x*		
	Work Package 2	*x*	*x*	*x*	*x*	337,217		*x*	*x*	*x*		
	Work Package 3	*x*	*x*	*x*	*x*	521,361		*x*	*x*	*x*		
	Work Package 4	*x*	*x*	*x*	*x*	217,677		*x*	*x*	*x*		
	Work Package 5		*x*	*x*	*x*	204,656		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**1,898,796**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*		*x*	*x*	*x*	260,232		*x*	*x*	*x*		
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	101,000						
	WP SubTotal		***x***	***x***	***x***	**361,232**		***x***	***x***	***x***		

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	16,000		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	32,141		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D										
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis	*x*	*x*	*x*	*x*	198,512		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities	*x*	*x*	*x*	*x*	10,000		*x*	*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**256,653**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors	*x*	*x*	*x*	*x*	123,112		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding	*x*	*x*	*x*	*x*	214,105		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	WP SubTotal	***x***	***x***	***x***	***x***	**337,217**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*		*x*	*x*	*x*	34,142		*x*			
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	282,369		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities			*x*	*x*	34,142		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms		*x*	*x*	*x*	45,522		*x*	*x*	*x*	
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations								*x*	*x*	
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)								*x*	*x*	
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries		*x*	*x*	*x*	45,522		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs		*x*	*x*	*x*	79,664		*x*	*x*	*x*	
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations								*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**521,361**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%	*x*	*x*	*x*	*x*	217,677		*x*	*x*	*x*	
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal	***x***	***x***	***x***	***x***	**217,677**		***x***	***x***	***x***	

	Robust tools and analytical methods on field-level needs assessment		*x*	*x*		10,233					
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
Work Package 5	*Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations*		*x*	*x*	*x*	102,328		*x*	*x*	*x*	
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects			*x*	*x*	92,095		*x*	*x*	*x*	
	A digital platform on plant health management established with support from national partners										
	WP SubTotal		***x***	***x***	***x***	**204,656**		***x***	***x***	***x***	
Work Package 6											
	WP SubTotal					-					
	Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
Innovation packages & Scaling Readiness											
	WP SubTotal					-					

CIP

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *CIP*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	148,650	***1,273,646***					
	Work Package 1	*x*	*x*	*x*	*x*	261,646		*x*	*x*	*x*		
	Work Package 2	*x*	*x*	*x*	*x*	230,477		*x*	*x*	*x*		
	Work Package 3	*x*	*x*	*x*	*x*	306,053		*x*	*x*	*x*		
	Work Package 4					-						
	Work Package 5	*x*	*x*	*x*	*x*	326,819		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**1,273,646**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	148,650						
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	WP SubTotal		***x***	***x***	***x***	**148,650**						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	18,070		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	69,660		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D	*x*	*x*	*x*	*x*	161,325		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis	*x*	*x*	*x*	*x*	12,591		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
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	WP SubTotal	***x***	***x***	***x***	***x***	**261,646**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors	*x*	*x*	*x*	*x*	131,884		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding										
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies	*x*	*x*	*x*	*x*	27,567		*x*	*x*	*x*	
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions	*x*	*x*	*x*	*x*	29,177		*x*	*x*	*x*	
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases	*x*	*x*	*x*	*x*	41,849		*x*	*x*	*x*	
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	0										
	WP SubTotal	***x***	***x***	***x***	***x***	**230,477**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*	*x*	*x*	*x*	*x*	58,830		*x*	*x*	*x*	
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	162,364		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities	*x*	*x*	*x*	*x*	31,076		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms										
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations	*x*	*x*	*x*	*x*	30,289		*x*	*x*	*x*	
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)						x				
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries	*x*	*x*	*x*	*x*	23,495		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
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	WP SubTotal	***x***	***x***	***x***	***x***	**306,053**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
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	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*	*x*				10,000					
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified		*x*	*x*	*x*	80,000		*x*	*x*	*x*	
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance		*x*	*x*	*x*	66,819		*x*	*x*	*x*	
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations							*x*	*x*	*x*	
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations		*x*	*x*	*x*	80,000		*x*	*x*	*x*	
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects		*x*	*x*	*x*	80,000		*x*	*x*	*x*	
	A digital platform on plant health management established with support from national partners		*x*	*x*	*x*	10,000		*x*	*x*	*x*	
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	WP SubTotal	***x***	***x***	***x***	***x***	**326,819**		***x***	***x***	***x***	
Work Package 6	*0*										
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	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
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	WP SubTotal					-					

ICARDA

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *ICARDA*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*					-	***608,219***					
	Work Package 1	*x*	*x*	*x*	*x*	193,130		*x*	*x*	*x*		
	Work Package 2		*x*	*x*	*x*	162,393		*x*	*x*	*x*		
	Work Package 3	*x*	*x*	*x*	*x*	252,696		*x*	*x*	*x*		
	Work Package 4					-						
	Work Package 5					-						
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**608,219**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management											
	WP SubTotal					-						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	21,459		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	107,294		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D	*x*	*x*	*x*	*x*	25,751		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis	*x*	*x*	*x*	*x*	38,626		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal	***x***	***x***	***x***	***x***	**193,130**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors										
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding		*x*	*x*	*x*	162,393		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	WP SubTotal		***x***	***x***	***x***	**162,393**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*										
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	156,431		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities		*x*	*x*	*x*	25,000		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms		*x*	*x*	*x*	41,182		*x*	*x*	*x*	
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries			*x*	*x*	30,083		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal	***x***	***x***	***x***	***x***	**252,696**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations										
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects										
	A digital platform on plant health management established with support from national partners										
	WP SubTotal					-					
Work Package 6											
	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					

IFPRI

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *IFPRI*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	88,300	***693,781***	*x*	*x*	*x*		
	Work Package 1					-						
	Work Package 2		*x*	*x*	*x*	29,725		*x*	*x*	*x*		
	Work Package 3					-						
	Work Package 4					-						
	Work Package 5		*x*	*x*	*x*	475,756		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness		*x*	*x*	*x*	100,000		*x*	*x*	*x*		
	TOTAL		***x***	***x***	***x***	**693,781**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*			*x*	*x*	45,667						
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	42,633						
	WP SubTotal		***x***	***x***	***x***	**88,300**						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*										
	Regional diagnostic hubs and surveillance network established										
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D										
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis										
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal					-					
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors										
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding										
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases		*x*	*x*	*x*	29,725		*x*	*x*	*x*	
	WP SubTotal		***x***	***x***	***x***	**29,725**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*										
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases										
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities										
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms										
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries										
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal					-					
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal					-					

	Robust tools and analytical methods on field-level needs assessment										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
Work Package 5	*Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations*		*x*	*x*	*x*	219,195		*x*	*x*	*x*	
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects		*x*	*x*	*x*	219,194		*x*	*x*	*x*	
	A digital platform on plant health management established with support from national partners		*x*	*x*	*x*	37,367		*x*	*x*	*x*	
	WP SubTotal		***x***	***x***	***x***	**475,756**		***x***	***x***	***x***	
Work Package 6											
	WP SubTotal					-					
	Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x		*x*	*x*	*x*	100,000		*x*	*x*	*x*	
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x							*x*	*x*	*x*	
Innovation packages & Scaling Readiness											
	WP SubTotal		***x***	***x***	***x***	**100,000**		***x***	***x***	***x***	

IITA

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *IITA*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*					-	***2,638,257***					
	Work Package 1	*x*	*x*	*x*	*x*	242,029		*x*	*x*	*x*		
	Work Package 2	*x*	*x*	*x*	*x*	341,084		*x*	*x*	*x*		
	Work Package 3	*x*	*x*	*x*	*x*	1,013,964		*x*	*x*	*x*		
	Work Package 4	*x*	*x*	*x*	*x*	847,416		*x*	*x*	*x*		
	Work Package 5	*x*	*x*	*x*	*x*	193,764		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**2,638,257**		***x***	***x***	***x***		

Crosscutting across Work Packages	*MEL by PHI Leadership Team*										
	Partners (Non-CG) Grants and their management										
	WP SubTotal					-					

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	6,000		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	70,000		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D	*x*	*x*	*x*	*x*	28,000		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis	*x*	*x*	*x*	*x*	125,029		*x*	*x*	*x*	
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities		*x*	*x*	*x*	13,000		*x*	*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**242,029**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*	*x*	*x*	*x*	*x*	20,000		*x*			
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners	*x*	*x*	*x*	*x*	20,000		*x*			
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications							*x*	*x*	*x*	
	Improved PH data management system with data harnessing tools	*x*	*x*	*x*	*x*	122,000		*x*	*x*	*x*	
	Models for predicting P&D risks and shifts due to climate change and other factors	*x*	*x*	*x*	*x*	36,084		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding	*x*	*x*	*x*	*x*	53,000		*x*	*x*	*x*	
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies	*x*	*x*	*x*	*x*	45,000		*x*	*x*	*x*	
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions	*x*	*x*	*x*	*x*	10,000		*x*	*x*	*x*	
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases	*x*	*x*	*x*	*x*	35,000		*x*	*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**341,084**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*		*x*	*x*	*x*	68,964		*x*	*x*	*x*	
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	350,000		*x*	*x*	*x*	
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities			*x*	*x*	25,000		*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms	*x*	*x*	*x*	*x*	450,000		*x*	*x*	*x*	
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations			*x*	*x*	20,000		*x*	*x*	*x*	
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)			*x*	*x*	20,000		*x*	*x*	*x*	
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries	*x*	*x*	*x*	*x*	40,000		*x*	*x*	*x*	
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs			*x*	*x*	20,000		*x*	*x*	*x*	
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations			*x*	*x*	20,000		*x*	*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**1,013,964**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*	*x*	*x*	*x*	*x*	48,000		*x*	*x*	*x*	
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed	*x*	*x*	*x*	*x*	36,000		*x*	*x*	*x*	
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets	*x*	*x*	*x*	*x*	314,416		*x*	*x*	*x*	
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence	*x*	*x*	*x*	*x*	24,000		*x*	*x*	*x*	
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%	*x*	*x*	*x*	*x*	290,000		*x*	*x*	*x*	
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.	*x*	*x*	*x*	*x*	135,000		*x*	*x*	*x*	
	WP SubTotal	***x***	***x***	***x***	***x***	**847,416**		***x***	***x***	***x***	

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified		*x*	*x*	*x*	30,764		*x*	*x*	*x*	
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations			*x*	*x*	33,000		*x*	*x*	*x*	
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations	*x*	*x*	*x*	*x*	60,000		*x*	*x*	*x*	
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects	*x*	*x*	*x*	*x*	70,000		*x*	*x*	*x*	
	A digital platform on plant health management established with support from national partners										
	WP SubTotal	***x***	***x***	***x***	***x***	**193,764**		***x***	***x***	***x***	
Work Package 6											
	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					

ILRI

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *ILRI*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	256,182						
	Work Package 1	*x*	*x*	*x*	*x*	80,402		*x*	*x*	*x*		
	Work Package 2					-						
	Work Package 3					-						
	Work Package 4					-	***336,584***					
	Work Package 5					-						
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**336,584**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	256,182						
	WP SubTotal		***x***	***x***	***x***	**256,182**						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	21,652		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	58,750		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D										
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis										
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal	***x***	***x***	***x***	***x***	**80,402**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools										
	Models for predicting P&D risks and shifts due to climate change and other factors										
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding										
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	WP SubTotal					-					

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*										
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases										
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities										
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms										
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries										
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal					-					
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*										
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified										
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations										
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects										
	A digital platform on plant health management established with support from national partners										
	WP SubTotal					-					
Work Package 6											
	WP SubTotal					-					
Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					

IRRI

INIT13-Plant Health and Rapid Response to Protect Food Security and Livelihoods Entity: *IRRI*												
WP/Results		Implementation Timeline				Budget		Implementation Timeline				
		2022						2023		2024	2025	
		Q1	Q2	Q3	Q4	POR Allocated Budget	Approved FinPlan	Q1-Q2	Q3-Q4	Q1-Q4	Q1	
Total Entity	*Crosscutting across Work Packages*		*x*	*x*	*x*	186,464	***720,642***					
	Work Package 1	*x*	*x*	*x*	*x*	195,259		*x*	*x*	*x*		
	Work Package 2	*x*	*x*	*x*	*x*	110,447		*x*	*x*	*x*		
	Work Package 3	*x*	*x*	*x*	*x*	200,068		*x*	*x*	*x*		
	Work Package 4					-						
	Work Package 5				*x*	28,404		*x*	*x*	*x*		
	Work Package 6					-						
	Innovation packages & Scaling Readiness					-						
	TOTAL	***x***	***x***	***x***	***x***	**720,642**		***x***	***x***	***x***		
Crosscutting across Work Packages	*MEL by PHI Leadership Team*											
	Partners (Non-CG) Grants and their management		*x*	*x*	*x*	186,464						
	WP SubTotal		***x***	***x***	***x***	**186,464**						

Work Package 1	*Key knowledge and capacity gaps on lab/field detection/characterization of P&D in targeted priority countries identified*	*x*	*x*	*x*	*x*	9,272		*x*	*x*	*x*	
	Regional diagnostic hubs and surveillance network established	*x*	*x*	*x*	*x*	86,251		*x*	*x*	*x*	
	Toolbox for molecular detection and image recognition, characterization, monitoring and surveillance of a broad range of P&D		*x*	*x*	*x*	99,736		*x*	*x*	*x*	
	Surveillance reports and data provided to decision makers within selected countries and, to WP2 for repositories and risk assessment analysis										
	Harmonized tools and protocols for mycotoxin diagnostics and monitoring, guiding WP4 activities										
	WP SubTotal	***x***	***x***	***x***	***x***	**195,259**		***x***	***x***	***x***	
Work Package 2	*Baseline report on existing P&D datasets and tools available within CGIAR and partners*										
	SWOT report with augmentation plans to integrate P&D data and improved data management systems for One CGIAR and partners										
	Standard procedures for equitable access and optimum use of P&D data management systems for risk assessment, modelling, and communications										
	Improved PH data management system with data harnessing tools	*x*	*x*	*x*	*x*	38,656		*x*	*x*	*x*	
	Models for predicting P&D risks and shifts due to climate change and other factors	*x*	*x*	*x*	*x*	71,791		*x*	*x*	*x*	
	Knowledge on P&D shifts and virulence variation with strategies for augmenting IPDM and resistance breeding										
	Knowledge on biosecurity risks to seed delivery pathways and integrated seed health protection strategies										
	Strategies for sampling for mycotoxin testing prioritization for IMM interventions										
	Generic/specific pest risk assessment and preparedness plans for at least 10 prioritized P&D cases										
	WP SubTotal	***x***	***x***	***x***	***x***	**110,447**		***x***	***x***	***x***	

Work Package 3	*Critical R4D gaps in developing effective, equitable and scalable IPDM packages identified through participatory approach with innovation partners and farming communities*	*x*	*x*	*x*	*x*	52,987					
	Eco-friendly and climate-smart IPDM innovations (e.g., biological control, biopesticides) developed and evaluated for their efficacy on target pests/diseases	*x*	*x*	*x*	*x*	147,081					
	Training on IPDM R4D provided to national partners, especially young scientists, in 20 LMICs through international workshops and professional opportunities							*x*	*x*	*x*	
	Inclusive and affordable IPDM packages against prioritized plant health threats validated through Innovation Platforms										
	Decision support tools developed for scaling gender-equitable & socially-inclusive plant health innovations										
	Drivers and bottlenecks for adoption of IPDM factored into IPDM scaling strategies (together with WP5 team)										
	IPDM knowledge and skills of farming communities, especially women and youth, improved through formal and informal training workshops in target countries										
	Public-private-producer partnerships established/strengthened for effectively scaling IPDM innovations in targeted LMICs										
	IPDM-based policy briefs developed and disseminated in target LMICs for policy/decision makers to take implement policy actions to catalyze adoption of IPDM innovations										
	WP SubTotal	***x***	***x***	***x***	***x***	**200,068**		***x***	***x***	***x***	
Work Package 4	*Improved bioprotectant usage/dosage, formulations and recommendations developed*										
	Six bioprotectants registered with regulators for further scale up and at least 4 manufacturing and distribution (M&D) partners of aflatoxin bioprotectant licensed										
	~400,000 ha of maize area treated with aflatoxin bioprotectants in at least 5 LMICs, and no less than 200,000 farmers have access to aflatoxin-conscious markets										
	Mycotoxins-crop-countries and cost-effective IMM components selected based on evidence										
	Effective pre- and post-harvest IMM technologies and their convergence with policy, institutional and traceability innovations to reduce mycotoxin contamination by at least 70%										
	At least 20 extension agencies and private sector in crop value chains using IMM to reach at least 300,000 smallholders.										
	WP SubTotal					-					

Work Package 5	*Robust tools and analytical methods on field-level needs assessment*							*x*			
	Gender- and generation-specific constraints, aspirations, and farmers & societal orientated needs related to plant health innovations identified				*x*	27,000					
	An interdisciplinary research tool developed to assess knowledge gaps in detection by farmers/plant doctors for improved diagnostic and surveillance										
	Decision support tools for deploying gender-equitable and socially inclusive plant health innovations										
	Equitable, inclusive, and cost-effective value-added methods to promote adoption of plant health innovations								*x*		
	Policy-relevant evidence based on casual impact evaluation that considers equity, cost effectiveness, and ecological aspects				*x*	1,404				*x*	
	A digital platform on plant health management established with support from national partners										
	WP SubTotal				***x***	**28,404**		***x***	***x***	***x***	
Work Package 6	*Initiative management by PHI Leadership Team*										
	Partners (Non-CG) Grants and their management										
	WP SubTotal					-					

Innovation packages & Scaling Readiness	*Light Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x*										
	Standard Track Scaling Readiness studies in 2022 - (Indicate Number of studies for 2022)- # x										
	WP SubTotal					-					