

**CENTRAL AMERICA COFFEE RUST ACTION PLAN – 2013**

*Component 1 – Integrated Coffee Rust Management*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED		
				Total	Committed	To be determined
<b>1: INTEGRATED COFFEE RUST MANAGEMENT</b>						
1.1	Establishment of a <b>Regional Program of Integrated Coffee Rust Management</b> for commonly used susceptible varieties grown with both conventional and organic processes.					
	(a.) Definition of <b>Good Practices for Coffee Rust Management</b> , adapted to the coffee-growing conditions of the region, building on the base of existing knowledge (expert surveys, regional workshop, field manual)	30 September	<b>PROMECAFE</b> CATIE CIRAD OIRSA FAO RUTA-CAC	35,680	10,000 (OIRSA) PROMECAFE IICA CATIE CIRAD FAO RUTA-CAC	25,680
	(b.) Generate <b>recommendations for rational use of fungicides</b> , minimizing the impacts on public health and the environment	30 September	<b>CATIE and CIRAD</b> OIRSA PROMECAFE FAO RUTA-CAC			
	Technical guidance sheet for management and control of coffee rust	30 June	<b>OIRSA and FAO</b>	6,000	6,000 (OIRSA) FAO	

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					Total	Committed	Pending
1.2	Implementation of a <b>phytosanitary campaign</b> (workshops, meetings, rapid-response simulations)	Phytosanitary campaign implemented in the region	31 July	<b>OIRSA</b> PROMECAFE RUTA-CAC Central American Ministries of Agriculture and coffee institutes	79,640	79,640 (OIRSA) RUTA-CAC Central American Ministries of Agriculture and coffee institutes	
1.3	<b>Technical assistance</b> for coffee rust control (formation of a technical group, cooperation agreements with Colombia, Brazil and Portugal, technical missions, phytosanitary management cards, agronomic management plans based on age of coffee plantation)			<b>OIRSA</b> CATIE CIRAD PROMECAFE RUTA-CAC Central American Ministries of Agriculture and coffee institutes	66,830	66,830 (OIRSA)	
1.4	Development of <b>Regional Communication Program</b> which includes different communications strategies for farmers and extension agents and harmonizes messages	Regional Communication Program developed	Begins in March and finishes in December	<b>OIRSA</b> PROMECAFE IICA SECAC RUTA-CAC Central American Ministries of Agriculture and coffee institutes	30,360	30,360 (OIRSA) PROMECAFE IICA SECAC RUTA-CAC Central American Ministries of Agriculture and coffee institutes	

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1.5	Development of <b>communication packages to help in responding to the coffee rust outbreak</b>	Radio spots	Available	<b>IICA</b> PROMECAFE CATIE	10,000	10,000 (IICA) PROMECAFE	
		Radio series	First week in April				
		Videos		<b>CATIE and CIRAD</b> PROMECAFE RUTA-CAC	23,650	3,000 (CATIE, with funding from Government of Norway) CIRAD PROMECAFE RUTA-CAC	20,650
1.6	<b>Regional Communicators Network</b> to facilitate the distribution of communication packages	Distribution program working	Network operation	<b>SECAC</b> RUTA-CAC Central American Ministries of Agriculture and coffee institute	Costs covered	SECAC RUTA-CAC Central American Ministries of Agriculture and coffee institute	
1.7	Collection and centralization of documents about coffee rust	Coffee rust portal	Early March	<b>CATIE and IICA</b> PROMECAFE SECAC	5,000	CATIE IICA PROMECAFE	5,000
1.8	Establishment of an <b>Early Warning System</b> (examples: surveillance points in coffee farms, identification of climatic zones with different predispositions to coffee rust, monitoring spores, etc.)						
	(a.) Determining the <b>causes that influences the outbreak of coffee rust as well as its virulence and aggressiveness</b>	Technical report with results and recommendations	1 December	<b>CIRAD and CATIE</b> PROMECAFE FAO	137,250	3,000 (CIRAD) CATIE PROMECAFE FAO	134,250

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1.8 (b.) <b>Regional workshop on coffee rust monitoring systems</b> at different scales – farm, region, country – and early warning systems for other diseases	Methods for monitoring coffee rust available and early warning system designed	30 May	<b>CIRAD and CATIE</b> PROMECAFE FAO RUTA-CAC Central American Ministries of Agriculture and coffee institutes	21,285	CIRAD CATIE PROMECAFE FAO RUTA-CAC	21.285
(c.) Design an <b>Early Warning System</b> that includes not only the agricultural perspective, but social perspective, measuring employment and food security (hire consultant and develop proposal)	Early warning system designed and agreed upon by participating countries	31 October	<b>OIRSA</b> <b>FAO</b> <b>WFP</b> PROMECAFE CIRAD CATIE RUTA-CAC	14,000	14,000 (OIRSA) WFP FAO CIRAD CATIE RUTA-CAC	
(d.) Implementation of a program of <b>detection of agrochemical contaminants</b> in coffee (hire consultant and develop proposal)	Proposal developed	31 July	<b>OIRSA</b> RUTA-CAC	6,000	6,000 (OIRSA) RUTA-CAC	
(e.) <b>Supervision, monitoring and evaluation of the campaign of phytosanitary control</b> (development and implementation)		Begin in March	<b>OIRSA</b> Central American Ministries of Agriculture and coffee institutes	10,560	10,560 (OIRSA) Central American Ministries of Agriculture and coffee institutes	

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					Total	Committed	Pending
1.8	(f.) <b>Management and technical coordination of phytosanitary control campaign</b> (contract regional technical advisor, train managers, technical visits to participating countries, and development of a proposal for grant-based funding)			<b>OIRSA</b> RUTA-CAC Central American Ministries of Agriculture and coffee institutes	32,440	32,440 (OIRSA) RUTA-CAC Central American Ministries of Agriculture and coffee institutes	

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*Component 2 – Genetic Improvement*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED		
				Total	Committed	Pending
<b>2: GENETIC IMPROVEMENT</b>						
2.1	<b>Strengthening Genetic Improvement Programs</b> within PROMECAFE, coffee institutes and other institutions					
	(a.) <b>Rapid assessment of materials and capacity for production of certified seed</b> with coffee rust tolerance and cup quality	Technical report with assessment results	30 June	<b>PROMECAFE</b> CIRAD CATIE Central American coffee institutes	To be determined	PROMECAFE CIRAD CATIE Central American coffee institutes
	(b.) <b>Study of alternatives for disease-resistant varieties</b> , with focus on coffee rust, that conserve cup quality (contract consultant and prepare study)	Study completed and presented	30 November	<b>OIRSA</b> PROMECAFE	12,000	12,000 (OIRSA) PROMECAFE
	(c.) Manage the process of <b>validation of germplasm</b> of coffee that is resistant to coffee rust and produces cup quality	Project developed with WCR	Beginning now	<b>CATIE</b> PROMECAFE	100,000	100,000 (WCR)
	(d.) Promote the <b>effective transfer of reproduction technology for F1 hybrid genetic material</b>	Private partners identified for effective technology transfer	To be determined	<b>PROMECAFE</b> CATIE CIRAD	Pending	PROMECAFE CATIE CIRAD
2.2	Promotion of the use of <b>resistant varieties</b> under an integrated management system					
2.3	Work with the Government of Brazil to access <b>rust-resistant genetic material</b>	Access to genetic material	In process	<b>IICA and CATIE</b> PROMECAFE CAC	Costs covered	IICA (Brasil office) CATIE

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*Component 3 – Addressing the Needs of Vulnerable Coffee-Growing Populations*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED		
				Total	Committed	Pending
<b>3: ADDRESSING THE NEEDS OF VULNERABLE COFFEE-GROWING POPULATIONS</b>						
3.1	Design and management of <b>compensation programs and social impact mitigation initiatives</b> , prioritizing coffee growers and families most affected by coffee rust					
	(a.) Develop <b>national assessments of the social impact</b> of coffee rust	Rapid assessments. Short- and medium-term assessments of the social impacts on vulnerable populations. CA4 countries.	The rapid assessments are being conducted	<b>WFP</b> <b>FAO</b> <b>PRESANCA II</b> <b>Government institutions</b> PROMECAFE IICA RUTA-CAC	280,000	280,000 (WFP: 80,000 short-term, 200,000 medium-term) RUTA-CAC
	(b.) Generate proposals for <b>regional policies</b> on compensation and social impact mitigation over the short, medium and long term; activities will be considered that promote employment opportunities and food security (with food and/or cash)	Regional policy proposals approved	To be determined	<b>WFP</b> <b>PRESANCA II</b> <b>FAO</b> IICA PROMECAFE SECAC RUTA-CAC	12,000	5,000 (PRESANCA II) WFP FAO IICA PROMECAFE SECAC RUTA-CAC

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*Component 3 – Addressing the Needs of Vulnerable Coffee-Growing Populations*

COMPONENT/ACTIVITY/TASK		DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED		
					Total	Committed	Pending
3.1	(c.) Diffusion of the results of the social impact survey to social services institutions and networks	Social services institutions and networks are informed about impacts on vulnerable families and expected impacts in order to act effectively	To be determined	WFP FAO PRESANCA II PROMECAFE SECAC RUTA-CAC	50,000	20,000 (PRESANCA II) WFP FAO PROMECAFE SECAC RUTA-CAC	30,000
	(d.) Define measures that include social protection and family agriculture	Package of measures proposed to attend to needs of vulnerable populations, within the framework of existing networks of social protection and promotion of family agriculture. Note: This could include interventions linking the issue of food security with food/cash for work/training	Definition pending results of analysis	WFP PRESANCA II FAO PROMECAFE CAC RUTA-CAC	To be determined	WFP PRESANCA II FAO RUTA-CAC	



**CENTRAL AMERICA COFFEE RUST ACTION PLAN – 2013**

*Component 4 – Developing Institutional Capacity to Combat Coffee Rust and Restore Coffee Productivity*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED			
				Total	Committed	Pending	
<b>4: DEVELOPING INSTITUTIONAL CAPACITY TO COMBAT COFFEE RUST AND RESTORE COFFEE PRODUCTIVITY</b>							
4.1	Design and implement a <b>regional training program</b> in coffee rust control for extension agents and farmers	At least 300 extension agents trained in integrated coffee rust management	Began in March, ending in December	<b>CATIE</b> <b>PROMECAFE</b> FAO IICA RUTA-CAC	80,000	Government of Norway IICA RUTA-CAC Central American coffee institutes	
		Trainers, producers and extension agents focused on the components of the phytosanitary campaign	Beginning in July and ending in December	<b>OIRSA</b> Central American Ministries of Agriculture	263,160	263,160 (OIRSA)	
4.2	Develop a <b>manual for extension agents</b>	Manual for extension agents designed and published	June	<b>PROMECAFE</b> <b>IICA</b> RUTA-CAC	8,000	8,000 (Government of Norway) PROMECAFE IICA RUTA-CAC	
4.3	Reinitiate the <b>Regional Coffee Course</b>	Regional Coffee Course available		<b>PROMECAFE</b> <b>CATIE</b> IICA	45,000	45,000 (Government of Norway) PROMECAFE CATIE IICA	
4.4	Development of International Symposium on Coffee Leaf Rust	80 extension agents, producers, roasters and scientists trained	April	<b>WCR</b> <b>PROMECAFE</b> RUTA-CAC Central American coffee institutes	69,000	69,000 (WCR) RUTA-CAC Central American coffee institutes	

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*Component 4 – Developing Institutional Capacity to Combat Coffee Rust and Restore Coffee Productivity*

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					<i>Note: When institutions or programs are listed with no dollar amount, their contribution is in-kind.</i>		
					Total	Committed	Pending
4.5	Regional technical meetings with extension agents and producers	# of meetings to be determined	August	CATIE PROMECAFE CIRAD RUTA-CAC Central American coffee institutes	To be determined	Government of Norway CATIE PROMECAFE CIRAD RUTA-CAC Central American coffee institutes	
4.6	Manage the <b>formation of technical teams</b> to build the capacity of coffee institutes and universities						
	(a.) Diffusion of the CONACYT-IICA Scholarship Program among coffee-sector researchers and extension agents	Coffee-sector candidates apply for academic specializations or post-graduate degrees	Available. Application deadlines: Cycle 1 – end of May; Cycle 2 – end of October	IICA CONACYT-Mexico PROMECAFE Central American Ministries of Agriculture and coffee institutes	Costs covered	CONACYT-Mexico IICA	

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*Component 4 – Developing Institutional Capacity to Combat Coffee Rust and Restore Coffee Productivity*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED			
				Total	Committed	Pending	
4.7	Agreements with national meteorological services and specialized organizations to improve monitoring and analysis of the climatic variables that influence the development of coffee rust						
	(a.) Lobby the organizers of the Central American Climate Outlook Forum to create a specialized coffee unit to monitor and analyze the climatic variables that influence the development of coffee rust	Coffee unit convened under the framework of the Central American Climate Outlook Forum	12 April	SECAC PROMECAFE PRESANCA II PRESISAN RUTA-CAC Central American coffee institutes	PRESANCA II will cover the costs of the event	RUTA-CAC	2,000 (to ensure PROMECAFE participation)
	(b.) Lobby specialized organizations to conduct research and analysis on the relationship between climate change and coffee	Determination of potential impacts of climate change on coffee	31 July	CEPAL PROMECAFE CIAT SECAC RUTA-CAC	14,000	7,000 (CEPAL) RUTA-CAC	7,000
4.8	Establish and strengthen <b>alliances with research centers and universities</b> for research related to coffee rust (examples: CIRAD, CATIE, CENICAFE, ECOSUR, Brazilian research centers, among others)	Joint research initiatives on coffee rust	To be determined	PROMECAFE CIRAD CATIE FAO	Costs covered	PROMECAFE CIRAD CATIE FAO	
4.9	Design a <b>regional research program</b> for coffee rust and other associated pathogens	Regional research program for coffee rust and other associated pathogens	Process initiated under PROMECAFE Strategic Plan	PROMECAFE IICA CIRAD CATIE FAO	4,000	PROMECAFE IICA CIRAD CATIE	

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*Component 4 – Developing Institutional Capacity to Combat Coffee Rust and Restore Coffee Productivity*

COMPONENT/ACTIVITY/TASK	DELIVERABLES	DEADLINE	LEADERS and PARTICIPANTS	RESOURCES NEEDED			
				Total	Committed	Pending	
4.10	Initiate the pre-investment process to allow countries to develop project proposals to restore productive capacity that include funds for renovating and rehabilitating coffee plantations	Guidance for development of project proposals for grant funding and cofinancing	Third week of March	IICA-BCIE PROMECAFE Central American Ministries of Agriculture and coffee institutes	Monetary resources to be determined once country profiles are completed;	IICA (specialists) BCIE (financial support to be determined) Central American Ministries of Agriculture and coffee institutes (extension agents)	
		Country profiles completed	End of May				
4.11	Proposal to finance the recuperation of the productive capacity of the coffee sector	Technical document on financing schemes consistent with the financial structure of affected countries	To be determined	<b>BID</b> IICA BCIE PROMECAFE Central American coffee institutes	Costs covered	BID will cover costs of consultancy	
4.12	Raise funds for the “Integrated Program for the Combat Coffee Rust and the Recuperation of Productive Capacity in Central America and the Caribbean”	Program in progress	Fundraising efforts underway	<b>PROMECAFE</b> <b>CAC</b> IICA BCIE BID	Estimated program cost: \$8.5 million over 4 years	PROMECAFE SECAC IICA BCIE BID	
4.13	Diffusion of the case study on Costa Rica’s establishment of a <b>coffee rust emergency fund and trust</b> to promote the adoption of these measures in other countries	Case study diffused in other countries	March	<b>PROMECAFE</b> <b>ICAFE-Costa Rica</b> <b>SECAC</b> Central American Ministries of Agriculture	Costs covered		