

CmiA - Environmental action plan



Key performance indicators and timeline

Update: October 2011

No.	Category / Target	Key Performance Indicator	Means of Verification	Action required	Time-Line	Status
1	General					
1.1	Increase smallholder farmers ability for medium and long term environmental planning	Increase farmer income / assets by 35%	CmiA impact assessment / quantitative evaluation	Implementation of CmiA / Compaci smallholder support program	End 2012	In progress
1.2	Create incentives for smallholders to adapt environmentally friendly farming practices	50% of CmiA licensing funds invested into environmental improvements / behaviour of smallholders	CmiA verification documents by management unit/ consolidated verification reports	Develop and test concept	End 2012	In progress
1.3	Compare ecological effects of CmiA cotton with standard cotton	CmiA cotton ecological footprint	Study documentation	Commission study	End 2011	Planned
2	Agro-Chemicals					
2.1	Reduction of highly hazardous pesticides	Exclusion of pesticides banned under the Stockholm Convention	CmiA verification documents by management unit/ consolidated verification reports	None	2006 to 2010	Completed
2.2	Reduction of highly hazardous pesticides	Exclusion of pesticides banned under the Rotterdam Protocol	CmiA verification documents by management unit/ consolidated verification reports	None	End 2011	Completed
2.3	Increase public transparency on pesticides utilised with CmiA	Pesticide list published on CmiA web page	List of pesticides in use with CmiA management units	Upcoming update end 2011	End 2011	Update in progress
2.4	Phasing out of highly hazardous pesticides	Exclusion of pesticides classified by WHO as extremely hazardous (Class 1a) or highly hazardous (Class 1B)	CmiA verification documents by management unit/ consolidated verification reports	Activation of criterion	End 2012	Completed
2.5	Reduction of leeching of agro-chemicals into ground and surface water	150,000 ULV sprayers in circulation with CmiA smallholder farmers	Report of management unit/ verification reports	tbc	End 2011	In progress
2.6	Optimization/ reduction of pesticide application by CmiA smallholders	75,000 CmiA smallholders practice LEC/ threshold spraying	Report of management unit/ verification reports	tbc	End 2011	In progress
2.7	Optimize pesticide application	Over 200,000 smallholders have been trained in IPM (plus 2015 extension agents)	Report of management unit/ verification reports	Extension to all farmers	Ongoing	In progress
3	Soil Fertility & Erosion					
3.1	Maintain/ increase soil fertility	Burkina Faso: Construction of 1750 compost pits	Report of management unit/ verification reports	Extension	Ongoing	In progress
3.2	Maintain/ increase soil fertility	Zambia: 75,000 smallholders practice main elements of conservation farming	Report of management unit/ verification reports	Extension	Ongoing	In progress
3.3	Maintain/ increase soil fertility	Stipulate crop rotation (minimum three crops), 200,000 farmers trained	Verification reports	Extension	Ongoing	In progress

CmiA - Environmental action plan

Key performance indicators and timeline

Update: October 2011



No.	Category / Target	Key Performance Indicator	Means of Verification	Action required	Time-Line	Status
3.4	Decrease top soil erosion	Zambia: 75,000 smallholders practice main elements of conservation farming, including mulching	Report of management unit/ verification reports	Extension	Ongoing	In progress
3.5	Decrease top soil erosion	Burkina Faso: 270 ha with constructed anti erosion strips	Report of management unit/ verification reports	Extension	Ongoing	In progress
4	Water					
4.1	Maintaining surface water and streams	Exclusion of irrigation for CmiA cotton planted	Report of management unit/ verification reports	None	2006 to 2010	Completed
4.2	Increasing water storage capacity of CmiA smallholder soils	Zambia: 75,000 smallholders practice main elements of conservation farming, including mulching Burkina Faso: anti erosion strips on 270 ha increase water infiltration	Report of management unit/ verification reports	Extension	Ongoing	In progress
4.3	Reduction of water utilized for pesticide application and leeching of agro-chemicals in the ground and surface waters	150,000 ULV sprayers in circulation with smallholder farmers	Report of management unit/ verification reports	tbc	End 2011	
5	Biodiversity					
5.1	Protection of biodiversity	Exclusion of cutting primary forest or destruction of other forms of protected natural resources	CmiA verification documents by management unit / consolidated verification reports	None	2006 to 2010	Completed
5.2	Maintain / guard biodiversity	Stipulate crop rotation (minimum three crops), 200,000 farmers trained	Verification reports	Extension	Ongoing	In progress