



Kenya Climate Smart Agriculture Project (P154784)

AFRICA EAST | Kenya | Agriculture and Food Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 9 | ARCHIVED on 30-Mar-2021 | ISR45812 |

Implementing Agencies: The National Treasury, Ministry of Agriculture, Livestock and Fisheries, Kenya Agriculture and Livestock Research Organisation (KALRO)

Key Dates**Key Project Dates**

Bank Approval Date: 09-Feb-2017

Effectiveness Date: 16-May-2017

Planned Mid Term Review Date: 30-Sep-2020

Actual Mid-Term Review Date: 04-Sep-2020

Original Closing Date: 31-Jan-2022

Revised Closing Date: 30-Jun-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To increase agricultural productivity and build resilience to climate change risks in the targeted smallholder farming and pastoral communities in Kenya, and in the event of an Eligible Crisis or Emergency, to provide immediate and effective response.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components Table

Name
Component 1: Upscaling Climate-Smart Agricultural Practices (US\$163.8 million equivalent, of which IDA US\$150.0 million equivalent):(Cost \$163.80 M)
Component 2: Strengthening Climate-Smart Agricultural Research and Seed Systems (US\$53.7 million equivalent, of which IDA US\$50.0 million equivalent):(Cost \$38.70 M)
Component 3: Supporting Agro-weather, Market, Climate, and Advisory Services (US\$32.9 million equivalent, of which IDA US\$30.0 million equivalent):(Cost \$33.63 M)
Component 4: Project Coordination and Management (US\$29.3 million equivalent, of which IDA US\$20.0 million equivalent):(Cost \$29.80 M)
Component 5: Contingency Emergency Response (US\$0 million from IDA):(Cost \$13.77 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Satisfactory	<input type="checkbox"/> Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Implementation Status and Key Decisions

This ISR is based on the virtual implementation support mission undertaken between February 25th and March 5, 2021.

The project was approved by the board in Feb 2017 and became effective in May 2017. A project restructuring was undertaken in October 2020 and is now scheduled to close on June 30, 2023.



The project continues to perform well on the disbursements front with current disbursement at 58.7%. In terms of project results, there are several notable achievements both at the county level and the national level. A total of 504,000 farmers across 24 counties are receiving a range of benefits from input support to access to modern agriculture technologies, innovations and management practices (TIMPs) to access to markets and access a range of agro weather and market advisories. *Given the continued good progress since the last implementation support mission across all components both the PDO and IP ratings are being retained as "Satisfactory"*

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Substantial	☐ Substantial	☐ Substantial
Macroeconomic	☐ Moderate	☐ Moderate	☐ Moderate
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Moderate	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Moderate	☐ Moderate
Fiduciary	☐ High	☐ High	☐ Substantial
Environment and Social	☐ Substantial	☐ Moderate	☐ Moderate
Stakeholders	☐ Moderate	☐ Moderate	☐ Moderate
Other	☐ Low	☐ Low	☐ Low
Overall	☐ Substantial	☐ Substantial	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

To Increase Agricultural Productivity and Build Resilience to Climate Change risks.				
▶ Direct Project Beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	365,000.00	504,000.00	521,500.00
Date	16-May-2017	08-Sep-2020	28-Feb-2021	31-Jan-2022
▶ Targeted beneficiaries (in CIGs/VMGs) who have adopted at least one TIMP promoted by the project (Number, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	1,000.00	108,900.00
Date	31-Oct-2016	16-Mar-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> Female Beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	50.00	45.00
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	432,000.00	504,000.00	521,500.00
Date	31-Oct-2016	10-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> County Investment (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	130,000.00	160,000.00	240,000.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> PPP (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	131,000.00	81,000.00	100,000.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> VMGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	35,000.00	43,000.00	18,150.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> CIG (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	195,000.00	220,000.00	163,350.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> Female beneficiaries (Percentage, Custom Supplement)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	60.00	45.00
► Increase in productivity of selected agricultural commodities supported by the project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	13.00	20.00
Date	31-Oct-2016	16-Mar-2020	10-Mar-2021	31-Jan-2022
☐ Sorghum (Kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,042.00	0.00	1,058.00	1,250.00
Date	10-Mar-2021	19-Dec-2018	10-Mar-2021	30-Jun-2023
☐ Millet (Kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,314.00	0.00	1,375.00	1,577.00
Date	31-Oct-2016	19-Dec-2018	10-Mar-2021	30-Jun-2023
☐ Cassava (kg/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3,191.00	0.00	4,500.00	3,829.00
Date	31-Oct-2016	19-Dec-2018	10-Mar-2021	30-Jun-2023
☐ Dairy (liters of milk/female/lactation period) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5,500.00	0.00	6,000.00	6,600.00
Date	31-Oct-2016	19-Dec-2018	10-Mar-2021	30-Jun-2023
☐ Aquaculture (tons/ha) (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,200.00	0.00	1,300.00	1,440.00
Date	31-Oct-2016	19-Dec-2018	10-Mar-2021	30-Jun-2023

Intermediate Results Indicators by Components



Component 1: Upscaling Climate-Smart Agricultural Practices (US\$163.8 million equivalent, of which IDA US\$150.0 million equivalent)				
▶ Client-days of training provided on TIMPs, share of which female (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	37,000.00	907,500.00
Date	31-Oct-2016	16-Mar-2020	28-Feb-2021	31-Jan-2022
□ Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	30.00	45.00
▶ Beneficiaries satisfied with relevance, timeliness and effectiveness of TIMP advisory services received (disaggregated by gender) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	0.00	0.00	70.00
Date	31-Oct-2016	16-Mar-2020	16-Mar-2020	31-Jan-2022
Comments:	Beneficiaries survey will be conducted in March 2021 post which the results will be shared			
▶ TIMPs tested through on-farm trials, share of which validated. (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	192.00	360.00
Date	31-Oct-2016	19-Dec-2018	28-Feb-2021	31-Jan-2022
□ Share of which validated (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	23.00	25.00
▶ Grants approved for CIGs, VMGs, PPPs and counties (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4,056.00	5,108.00	6,177.00
Date	31-Oct-2016	08-Sep-2020	01-Mar-2021	31-Jan-2022
□ Of which successfully completed (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	1,020.00	100.00
<input type="checkbox"/> PPPs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	34.00	40.00
Date	31-Oct-2016	19-Dec-2018	01-Mar-2021	31-Jan-2022
<input type="checkbox"/> Counties (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	126.00	204.00	87.00
Date	31-Oct-2016	08-Sep-2020	01-Mar-2021	31-Jan-2022
<input type="checkbox"/> VMGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	785.00	974.00	1,100.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> CIGs (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3,145.00	3,896.00	4,950.00
Date	31-Oct-2016	08-Sep-2020	28-Feb-2021	31-Jan-2022
► Farmers participating in on-farm TIMP trials, share of which female (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	4,749.00	1,440.00
Date	31-Oct-2016	19-Dec-2018	28-Feb-2021	31-Jan-2022
<input type="checkbox"/> Female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	57.50	45.00
► Reduced net GHG emissions per unit (kilogram) of product produced for selected agricultural commodities: (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	-15.00



Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Dairy (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	176.00	0.00	0.00	149.60
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Cassava (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.18	0.00	0.00	0.15
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Millet (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.99	0.00	0.00	0.84
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Sorghum (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.89	0.00	0.00	0.76
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
► Productive assets brought under TIMPs as a result of the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	0.00
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022
<input type="checkbox"/> Head of livestock (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	2,872,889.00	58,500,000.00
<input type="checkbox"/> Total land area (Hectare(Ha), Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	9,025.00	600,000.00



Component 2: Strengthening Climate-Smart Agricultural Research and Seed Systems (US\$53.7 million equivalent, of which IDA US\$50.0 million equivalent)

► Post-graduate degree and short-term technical training completed, share of which completed by women (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	172.00	172.00	635.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022

□ PhD Degrees (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	76.00	76.00	13.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022

□ Share of which female (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	35.00	40.00

□ Short-term training (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	580.00
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022

□ Share of which female (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00

□ MSc Degrees (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	96.00	96.00	42.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022

□ Share of which female (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00

► Increased production of climate-smart agriculture inputs by seed and breed stock producers supported by the project (Metric ton, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60.00	60.00	255.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022
<input type="checkbox"/> Livestock parent stocks (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,320.00
<input type="checkbox"/> Certified seed (Metric ton, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	210.00
<input type="checkbox"/> Early generation seed (Metric ton, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45.00
► TIMPs tested through on Farm Trials (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	436.00	436.00	360.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022
<input type="checkbox"/> share of which has been validated (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
► Farmers participating in on-farm trials (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,251.00	2,251.00	1,440.00
Date	31-Oct-2016	08-Sep-2020	08-Sep-2020	31-Jan-2022
<input type="checkbox"/> share of which is female (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	57.00	57.00	45.00



Component 3: Supporting Agro-weather, Market, Climate, and Advisory Services (US\$32.9 million equivalent, of which IDA US\$30.0 million equivalent)

► Users receiving integrated agro-weather information and market information services, share of which female (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4,800,000.00
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022

□ Share of which female (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00

► New and refurbished agro-, automatic weather stations and hydro-meteorological facilities (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	198.00
Date	31-Oct-2016	19-Dec-2018	19-Dec-2018	31-Jan-2022

Component 4: Project Coordination and Management (US\$29.3 million equivalent, of which IDA US\$20.0 million equivalent)

► Grievances registered related to delivery of project benefits addressed (%) (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	31-Oct-2016	16-Mar-2020	16-Mar-2020	31-Jan-2022

► Satisfactory quarterly project interim financial and monitoring reports submitted within 45 days of end of the previous period (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	100.00
Date	31-Oct-2016	16-Mar-2020	16-Mar-2020	31-Jan-2022

Component 5: Contingency Emergency Response Project

► Number of Counties that were covered through either surveillance or control operations against the locust attack (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	20.00



Date	01-Oct-2020	01-Oct-2020	01-Oct-2020	31-Jan-2021
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Overall Comments

The Contingency Emergency Component triggered under the project supported the ministry to successfully tackle the locust crisis. The ministry was able to procure 42,000 liters of fenitrothion and 6000 Kgs of Bio Pesticide for locust control. In addition, the use of surveillance aircraft for surveillance nearly 800 hours also helped the ministry immensely in the control activities. The component also supported the ministry in setting up and equipping of six control bases. The support given enabled the ministry to contain the desert locust from the 28 counties in March to just 3 in August

Performance-Based Conditions

Data on Financial Performance

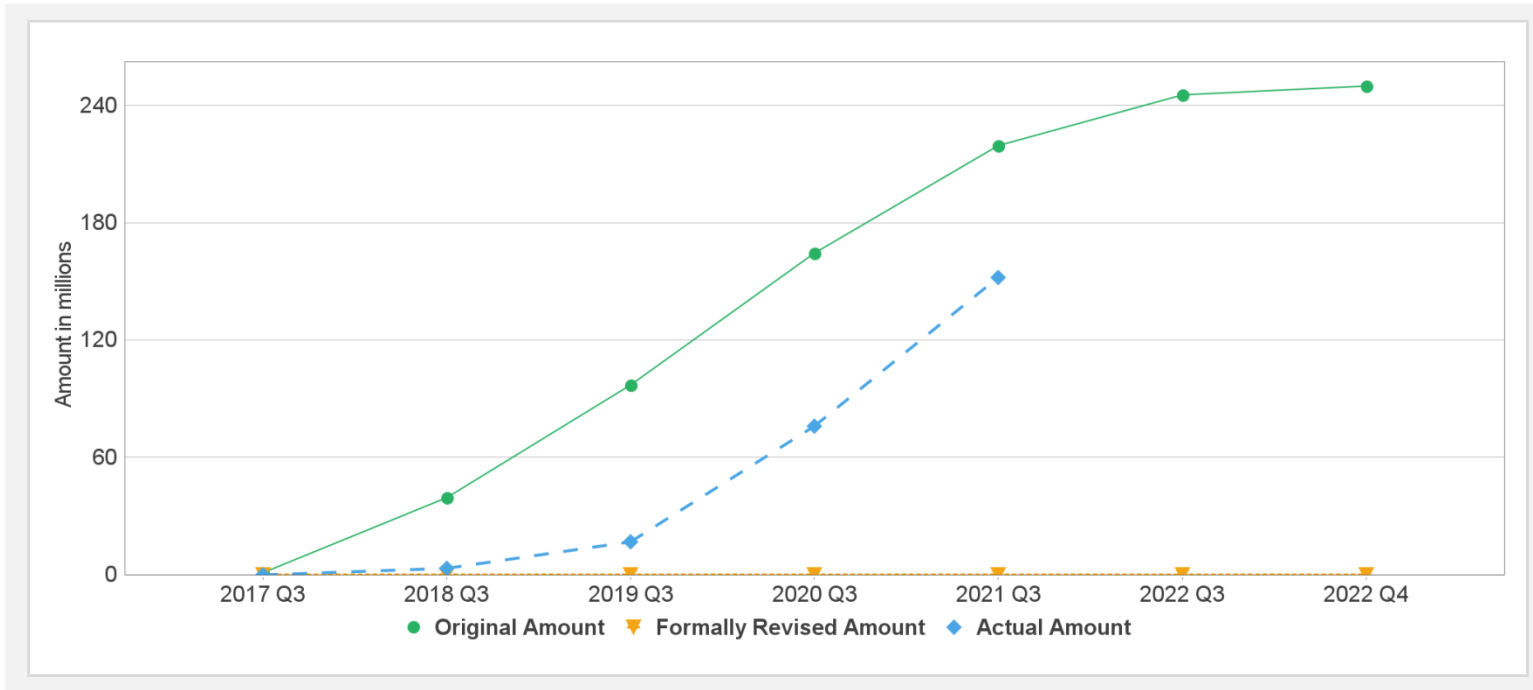
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P154784	IDA-59450	Effective	USD	250.00	250.00	0.00	151.98	106.82	59%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P154784	IDA-59450	Effective	09-Feb-2017	07-Apr-2017	16-May-2017	31-Jan-2022	30-Jun-2023

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC

Restructuring History

Level 2 Approved on 11-Jun-2020 ,Level 2 Approved on 02-Dec-2020

Related Project(s)

There are no related projects.