



HUBEI SMART AND SUSTAINABLE AGRICULTURE PROJECT (P168061)

EAST ASIA AND PACIFIC | China | Agriculture and Food Global Practice |
IBRD/IDA | Investment Project Financing | FY 2020 | Seq No: 6 | ARCHIVED on 25-Oct-2023 | ISR57109 |

Implementing Agencies: Hubei Provincial Department of Agriculture and Rural Affairs, People's Republic of China

Key Dates**Key Project Dates**

Bank Approval Date: 21-May-2020

Effectiveness Date: 24-Aug-2021

Planned Mid Term Review Date: --

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2025

Revised Closing Date: 31-Dec-2025

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The PDO is to promote integrated environmentally sustainable and climate-smart agriculture, and agri-food quality and safety, in targeted value chains and landscapes in Hubei Province.

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

No

Components Table

Name

Agricultural Risk Assessment, Management, and Communications:(Cost \$34.10 M)

Demonstration and Replication of Smart and Sustainable Agricultural Practices:(Cost \$264.35 M)

Project and Knowledge Management:(Cost \$38.21 M)

Overall Ratings

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

Implementation Status and Key Decisions

The project implementation is moving at an accelerated pace, with 12 sub-project proposals under development by the counties. It has been agreed with the counterparts to also focus attention on starting the implementation of the technical assistance activities under the Component 1 of the project, which are important for green and environmentally friendly agriculture sector development and strengthened food safety systems in the province.



Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Sustainability and Resilience				
▶ Area under 3S GAP production practices (area of landscapes under improved practices) (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	120,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This is the sowing area that applies green agricultural and environmentally friendly farming practices.			

Climate Smart Agriculture				
▶ GHG emission mitigated (Metric tons/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	600,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the reduction in metric tons of greenhouse gas emissions from nitrous oxide, methane and carbon dioxide from agricultural activities of the project.			



Food Quality and Safety				
▶ Reduced pesticide and veterinary drug residue levels in the select value chains (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator refers to keeping pesticide and veterinary drug residues under the limitation of the state food safety legislation.			

Intermediate Results Indicators by Components

Agricultural Risk Assessment, Management, and Communications				
▶ 3S risk assessment systems developed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator refers to an establishment of a platform, mechanism, program, standard and other systems for conducting 3S production risk assessment.			
▶ 3S GAP standards developed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of standards developed that meet 3S production requirements in the select value chains.			
▶ Pre-conditions in place for agriculture as offset for emissions trading scheme (newly established incentive mechanism) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of preconditions that are in place for mechanisms of agricultural carbon trading and formulate incentives for carbon emission reduction. This is also a GEF indicator.			
▶ Number of 3S analytical platforms fully integrated with big data systems (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00



Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator refers to the number of 3S data platforms established at the provincial and county levels.			
▶ 3S risk communication programs in place (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator refers to the number of 3S risk communication programs in place at the provincial and county levels.			
▶ Number of users engaged in 3S food quality and safety platforms (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of users engaged in 3S food quality and safety platforms from the project supported FCs, companies, farmers, agencies, and others.			
□ Number of female users engaged in 3S food safety platforms (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2,750.00

Demonstration and Replication of Smart and Sustainable Agricultural Practices				
▶ New area under Integrated Pest Management (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	35,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This measures the area covered by an integrated pest management (IPM) farming practices. This is a GEF indicator.			
▶ Area under Integrated Landscape Management Plans (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	280,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator refers to the area covered by agricultural management plan in a comprehensive consideration and understanding with ecological analysis such as crop succession, soil condition, neighbour plants, animal dynamics, input disturbance, social activity in a relative larger area. This is a GEF indicator.			



► Reduction in quantity of fertilizers applied (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicators measures the percentage reduction in synthetic fertilizer use. This is also a GEF indicator.			
► Increased soil organic matter (soil organic carbon) (Metric tons/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	200,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator is a measure of an increase in carbon organic matter such as polysaccharides, proteins, amino acids, and humic acids in soil. This is a GEF indicator.			
► Improved livestock waste management investments supported (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	11.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of improved livestock manure management such supported by the project. This is a GEF indicator.			
► Proportion of production in project assisted areas covered by traceability platform (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the coverage of food quality and safety traceability system in the production system.			
☐ Crop production (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
☐ Livestock production (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025



► Newly certified products (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of agricultural products certified for meeting food quality and safety standards by an accredited agency.			
► Number of farmer cooperatives strengthened/supported (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	50.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This measures the number of farmers cooperatives' that the project finances to build their capacity as well as their investments in 3S agricultural practices. This is also a GEF indicator.			
<input type="checkbox"/> Of which are managed by women or have a significant share of female members (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	21.00
Project and Knowledge Management				
► Farmers reached with agricultural assets or services (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	300,000.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator measures the number of farmers who were provided with agricultural assets or services as a result of World Bank project support. "Agriculture" or "Agricultural" includes: crops, livestock, capture fisheries, aquaculture, agroforestry, timber, and non-timber forest products. Assets include property, biological assets, and farm and processing equipment. Biological assets may include animal agriculture breeds (e.g., livestock, fisheries) and genetic material of livestock, crops, trees, and shrubs (including fiber and fuel crops). Services include research, extension, training, education, ICTs, inputs (e.g., fertilizers, pesticides, labor), production-related services (e.g., soil testing, animal health/veterinary services), phyto-sanitary and food safety services, agricultural marketing support services (e.g., price monitoring, export promotion), access to farm and post-harvest machinery and storage facilities, employment, irrigation and drainage, and finance. Farmers are people engaged in agricultural activities or members of an agriculture-related business (disaggregated by men and women) targeted by the project.			
<input type="checkbox"/> Farmers reached with agricultural assets or services - Female (Number, Corporate Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	115,000.00
► Grievances registered related to delivery of project benefits addressed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	100.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	The indicator measures the proportion of grievances received by the Grievance Redress Mechanism system (GRM) set up by the project that are actually addressed within the standard timeframe set up by the GRM system.			
► Citizen's feedback received on services provided by Project (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	80.00
Date	30-Sep-2020	17-Mar-2023	29-Sep-2023	31-Dec-2025
Comments:	This indicator provides the average satisfaction/dissatisfaction received from clients from farmers on services provided by the project.			

Performance-Based Conditions

Data on Financial Performance

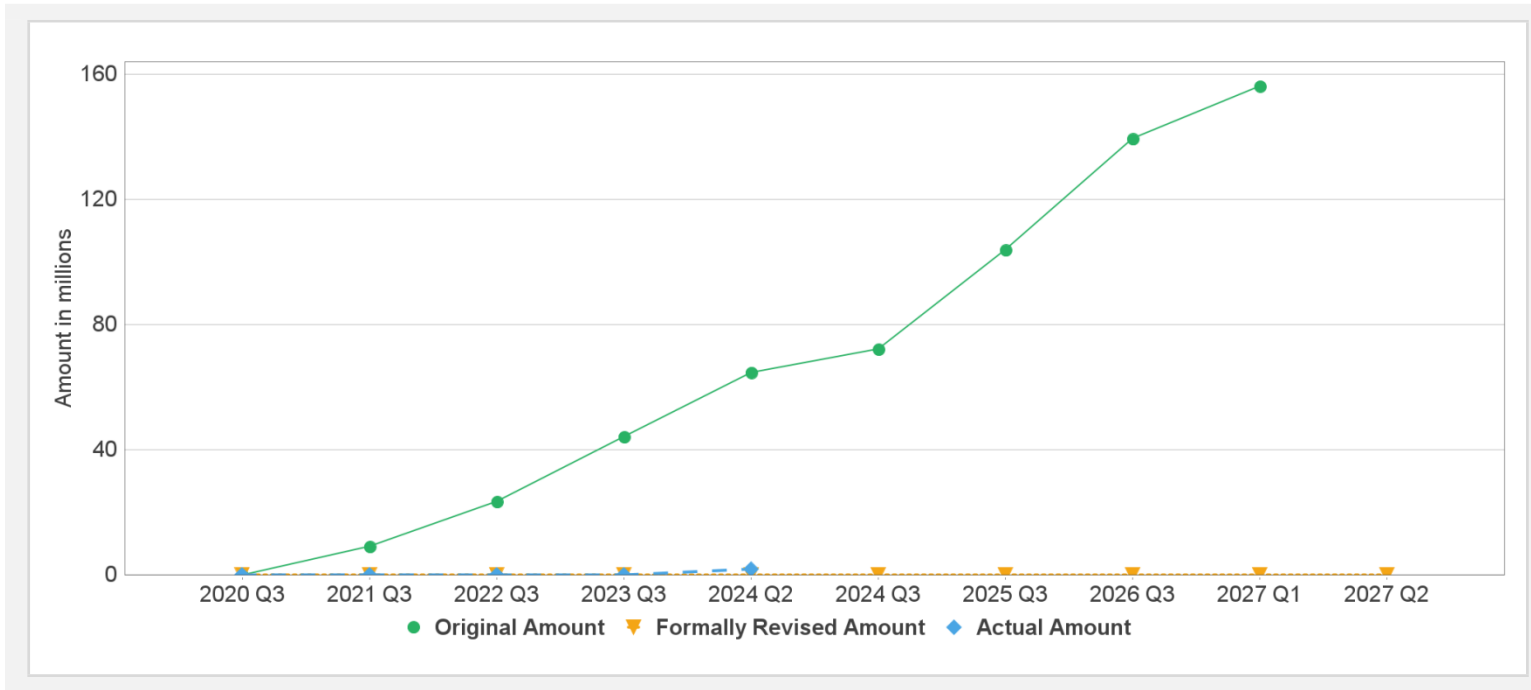
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P168061	IBRD-90900	Effective	USD	150.00	150.00	0.00	1.09	148.90	0.7%
P172224	TF-B5357	Effective	USD	6.28	6.28	0.00	0.60	5.68	9.6%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P168061	IBRD-90900	Effective	21-May-2020	15-Jun-2021	24-Aug-2021	31-Dec-2025	31-Dec-2025
P172224	TF-B5357	Effective	31-Mar-2021	01-Jul-2021	24-Aug-2021	31-Dec-2025	31-Dec-2025

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

P168061-HUBEI SMART AND SUSTAINABLE AGRICULTURE PROJECT ,P172224-HUBEI SMART AND SUSTAINABLE AGRICULTURE PROJECT