

PROJECT STATUS REPORT

JULY 2010 - DECEMBER 2010

SECTION 1: PROJECT SUMMARY

PROJECT NAME: Demonstration of an Integrated Farming Model for Poor Farmers

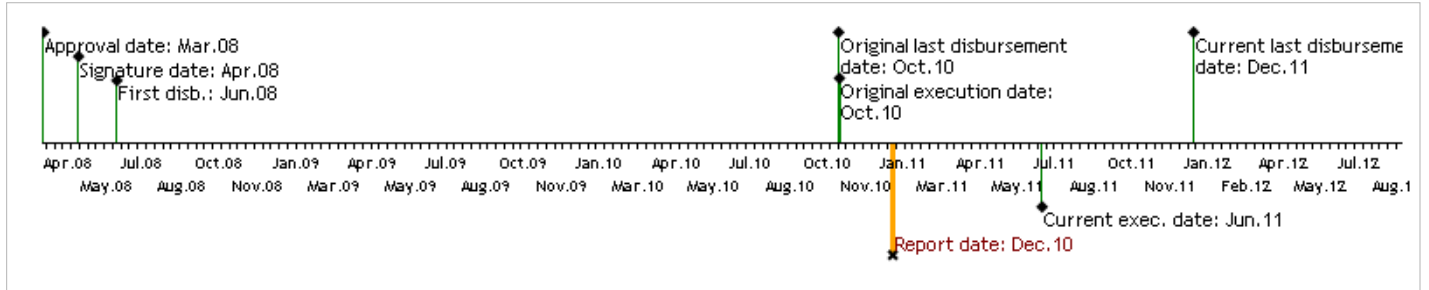
Project Number: GY-M1010
Operation Number: ATN/ME-10884-GY

Purpose: To achieve significant increases in productivity of small farmers, including women farmers, by integrating duckweed production with fish farming.

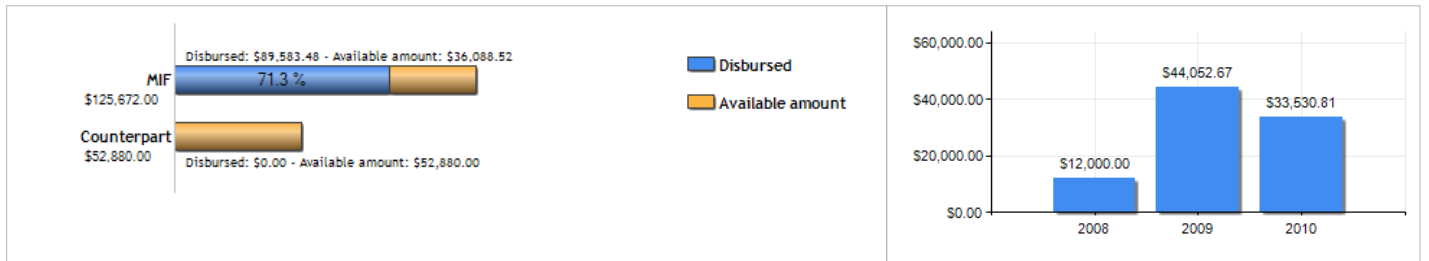
| | | | |
|--|--------------------------------------|-----------------------------------|---|
| Country Administrator GUYANA | Beneficiary Country GUYANA | Group ENV - Environment | Subgroup AGRI - Sustainable Agriculture |
|--|--------------------------------------|-----------------------------------|---|

| | |
|--|---|
| Executing Agency: INSTITUTE FOR PRIVATE ENTERPRISE DEVELOPMENT | Design Team Leader: Supervision Team Leader: Leitch, Janelle |
|--|---|

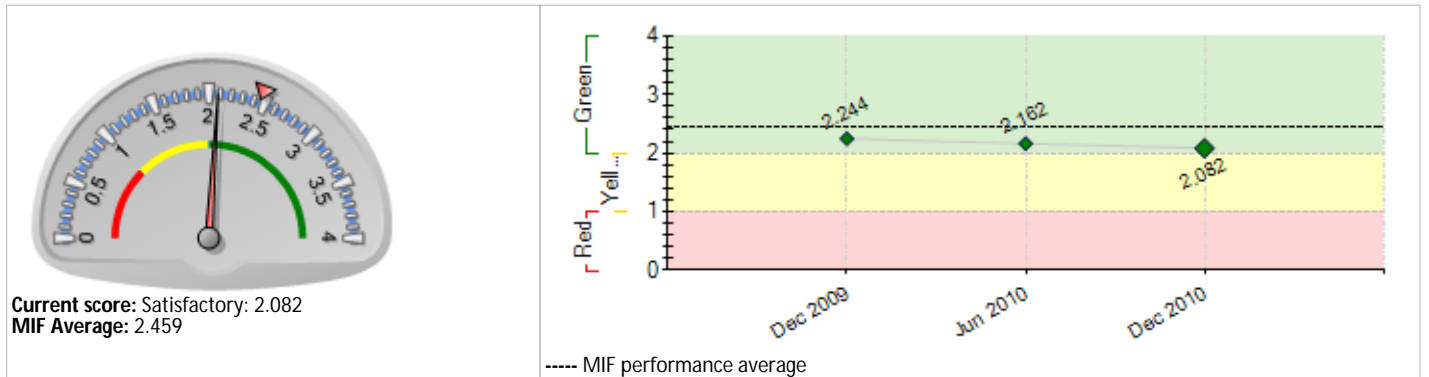
TIMELINE



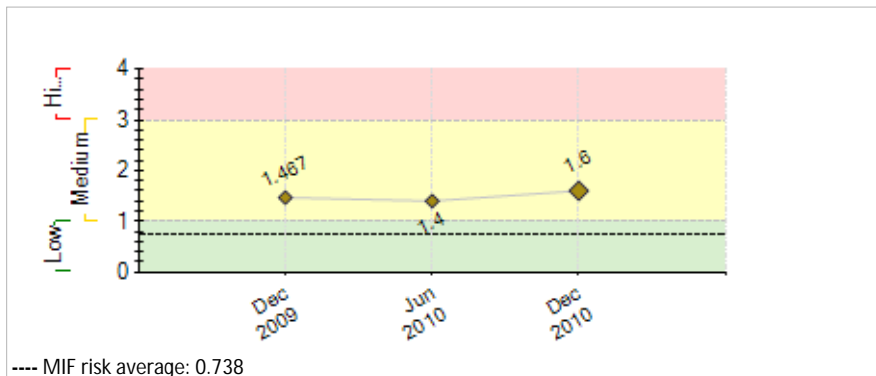
FUNDS



PERFORMANCE SCORE



EXTERNAL RISKS



INSTITUTIONAL CAPACITY

| | |
|------------------------------|-------------|
| | Risk |
| Financial Management: | --- |
| Procurement: | --- |
| Technical Capacity: | --- |

SECTION 2: PERFORMANCE

Summary of project performance since inception

The project has been moderately successful. 166 farmers (project target 300) are practising integrated farming of which 36% are women (target 25%) and 23% have fish pond (target 30%). Thirty one (31) demonstration model farms have been established against a target of 30, of which at least 2 in each of the 10 Administrative Regions. The minimum target was achieved for Regions 1, 2, 3, 4, 5, 6, 7 and 10. Only 1 demo farmer was located in Region 9 and none in Region 8. Twenty five (25) farmers have shared their experiences in integrated farming in 34 farm workshops against an end of project target of 40. The Integrated Farming Manual will be printed in the first quarter 2011.

The main obstacles faced were :

Delay in achievement of the key objective of 30 demonstration farms and being on course for the target of 300 farmers adopting integrated farming is partly due to risk aversion for early adopters. This risk will be minimised when the farmers see successful farmers benefitting from the technology.

The likelihood of the project achieving its final objectives in full is marginal, although because of the inherent sustainability of the model through its demonstration effect, the major objective of 300 integrated farmers could be achieved in another 12 months beyond the end of the Project in June 2011. Both the Project Coordinator and the Senior Project Extension Officer have volunteered to followup potential integrated farmers for at least 12 months.

Comments from the Supervision Team Leader

Agree with the Executing Agency comments

Summary of project performance in the last six months

The Project's performance over the last 6 months has been moderately successful. There was a net increase of 37 farmers practising integrated farming against a target of 60 per semester. Seven new demonstration farmers were recruited and one declassified. The cumulative total is 31 demonstration farmers. The objective was to establish 30 demonstration farmers by the end of the first 9 months of the project's operation.

The Integrated Farming Manual is in its final version for insertion of photographs and will be printed in the first quarter 2011.

Poor farmers are risk averse to investing in duckweed ponds and fish ponds because we have not had a wide enough distribution of Demonstration Farms. This has impacted on the number of farmers adopting integrated farming. We have approached the NGO Food for the Poor and the National Working Group on the Millenium Development Goals for assistance in establishing such ponds.

The percentage of farmers with fish ponds has improved from 21% to 23% and will continue to improve as we continue to tout the benefits as food and a profitable source of income.

Twelve new biodigesters have been commissioned and they have attracted 72 persons.

Eight workshops were held against a target of 12 for the semester.

The Project will continue to hold workshops at least 2 per month, to attract farmers to integrated farming. Relationship will be established with the newly launched "Livestock Development Authority" to reach more farmers.

Comments from the Supervision Team Leader

Agree with the Executing Agency comments

SECTION 3: INDICATORS AND MILESTONES

| Indicators | Baseline | Intermediate 1 | Intermediate 2 | Intermediate 3 | Planned | Achieved | Status |
|--|---|----------------|----------------|----------------|----------|-----------|-----------|
| Purpose: To achieve significant increases in productivity of small farmers, including women farmers, by integrating duckweed production with fish farming. | P.I1 Farmers that have adopted integrated farming into their operations | 0 | | | 300 | 166 | |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | P.I2 Proportion of project beneficiaries that are women | 0 | | | 25 | 36 | |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | P.I3 Farmers that have adopted fish farming as part of the integrated farming model | 0 | | | 30 | 23 | |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| Component 1: Establishment of demonstration units Weight: 31% Classification: Satisfactory | C1.I1 Farmers have established integrated agriculture-aquaculture model farms | 0 | | | 30 | 31 | Delayed |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | C1.I2 Agri/aqua farms per region | 0 | | | 2 | 2 | Delayed |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | C1.I3 Persons identified and invited to participate in establishment and operation of integrated agriculture-aquaculture demonstration units. | 0 | | | 30 | 41 | Delayed |
| | C1.I4 Candidates selected from each Administrative Region. | 0 | | | 2 | 2 | Delayed |
| | | | | | Oct 2010 | Dec 2010 | |
| C1.I5 Database potential model farmers established by IPED. | 0 | | | 1 | 1 | Finished | |
| C1.I6 Consultants who will function as Project Extension Officers (PEO). | 0 | | | 3 | 3 | Finished | |
| | | | | Oct 2010 | Dec 2010 | | |
| Component 2: Documentation of Technical Data Weight: 13% Classification: Unsatisfactory | C2.I1 Manuals for biogas production, duckweed production and fish production are produced based on the experiences of farmers | 0 | | | 3 | 1 | Delayed |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | C2.I2 Farmers that have shared their experiences in integrated agriculture-aquaculture | 0 | | | 40 | 25 | Delayed |
| | | | | Oct 2010 | Dec 2010 | | |
| Component 3: Outreach campaign to promote the adoption of the integrated agriculture/aquaculture model Weight: 56% Classification: Satisfactory | C3.I1 Workshops held to educate farmers to integrated farming and duckweed | 0 | | | 20 | 34 | On Course |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | C3.I2 Public relations activities to build awareness | 0 | | | 6 | 7 | On Course |
| | | Apr 2008 | | | Oct 2010 | Dec 2010 | |
| | C3.I3 Press, including television, radio and the newspapers, will encouraged covering the on-farm workshops and publicize press releases | 0 | | | 1 | 1 | On Course |
| | | | | Oct 2010 | Dec 2010 | | |
| C3.I4 TV program "Grow with IPED" and fortnightly radio program to promote the Project. | 0 | | | 1 | 7 | On Course | |
| | | | | Oct 2010 | Dec 2010 | | |

| | | | | | | | | |
|-------|--|---|--|--|--|----------|----------|-----------|
| C3.15 | PEO will evaluate effectiveness of workshops on basis of number of participants at workshops and number of persons expressing interest in establishing integrated farms. | 0 | | | | 1 | 1 | On Course |
| | | | | | | Oct 2010 | Dec 2010 | |

| Milestones | Planned | Due Date | Achieved | Date achieved | Status |
|------------------------|---------|----------|----------|---------------|----------|
| M0 Previous Conditions | 4 | Oct 2008 | 4 | May 2008 | Achieved |

CRITICAL ISSUES THAT HAVE AFFECTED PERFORMANCE*[None reported in this period]***SECTION 4: RISKS****MOST IMPORTANT RISKS AFFECTING FUTURE PERFORMANCE**

| | Level | Mitigation action | Responsible |
|---|--------|---|---------------------|
| 1. Duckweed are killed or become dormant in dry weather if the ponds do not hold water. Poor farmers are unwilling to risk investment in lining the duckweed and fish ponds. Ideally ponds should be constructed in areas where the soil can hold water but this is not possible in some cases. | High | The project has approached the NGO "Food for the Poor" and the "National Working Group for the Millenium Development Goals" for assistance to provide suitable pond liners. The responses are positive and we should see positive action in 2011. | Project Coordinator |
| 2. Receptiveness and willingness of farmers to adopt integrated agriculture | Medium | Extensive outreach campaign to promote the benefits of integrated farming, | Project Coordinator |
| 3. Lack of market demand for produce | Medium | Produce from farmers to be absorbed within the communities of origin, | Project Coordinator |
| 4. The technology for duckweed production is relatively new to Guyana | Medium | Documentation of technical aspects of duckweed production in manuals based on project and other experiences, | Project Coordinator |
| 5. The bio-digester technology and aquaculture have been promoted in the past without the achievement of a substantive base that could be used for further diffusion of the technology. | Medium | Documentation of the technical aspects of bio-digester construction and operation and fish pond construction and fish farming in a Farm Manual that would be widely circulated. | Project Coordinator |

PROJECT RISK LEVEL: Medium **TOTAL NUMBER OF RISKS:** 5 **IN EFFECT RISKS:** 5 **NOT IN EFFECT RISKS:** 0 **MITIGATED RISKS:** 0**SECTION 5: SUSTAINABILITY****Likelihood of project sustainability after project completion:** P - Probable**CRITICAL ISSUES THAT MAY AFFECT PROJECT SUSTAINABILITY***[None reported in this period]***Actions related to sustainability which will be or have been implemented:**

The Project target of 300 farmers practising integrated farming is not likely to be achieved at the end of the formal project in June 2011. Commitment has been obtained from the Project Coordinator and the Senior Project Extension Officer to follow up on a volunteer basis potential integrated farmers for a minimum of 12 months after the end of the formal project.

SECTION 6: PRACTICAL LESSONS*[No Lessons learned records to Display]*