



PULSES FOR INCLUSIVE GROWTH PROJECT (PIG)

[PILOT PHASE]

END OF PROJECT IMPLEMENTATION REPORT

1ST DRAFT



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Abbreviations

AMCOS	Agricultural Markets and Cooperative Society
AMDT	Agricultural Markets Development Trust
ATO	Agro-Tanzania Organization
BDS	Business Development Service
CB	Common Bean
CBS	Crop Bioscience Solutions Ltd
CRDB	Cooperative Rural Development Bank
CSA	Climate Smart Agriculture
DC	District Council
FO	Farmers Organization
GAPs	Good Agricultural Practices
PIG	Pulses for Inclusive Growth
MAI	Manyara Agriculture Initiative
MF	Market Facilitator
M4P	Making Market Work for the Poor
MoU	Memorandum of Understanding
QDS	Quality Declared Seeds
RAS	Regional Administrative Secretary
SACCOS	Savings and Credits Cooperative Society
SEIDA	Small Enterprises Institutional Development
SHFs	Smallholder farmers
SPs	Service Providers
TADB	Tanzania Agricultural Development Bank
TC	Town Council
TOSCI	Tanzania Official Seed Certification Institute
VA	Value Addition



Acknowledgements

SEIDA is grateful to AMDT for the partnership for the implementation of Pulses for Inclusive Growth Project (PIG) - Pilot Phase in Manyara Region from September 2022 through June 2023. The implementation of the project has provided both parties exciting experiences and foot prints that will remain for long in fulfillment of our organizations visions and objectives.

Furthermore, SEIDA concedes the entire AMDT staff and teams for their ultimate and tireless support, guidance and encouragement that fortified our responsibilities, commitments, flexibility in responding to evolved challenges in the implementation of the project activities by partners in achieving the objectives and milestones with the smallholder farmers women, men and youth in Manyara region.

The substantial accomplishments of the project would not have been flourishing without the talents and commitment of our project partners (MAs & SPs) for their contribution in successfully implementing the project activities notably; Agro- Tanzania Organization, Crop Bioscience Solutions Ltd, Beula Seeds Company and Consultancy Ltd and BIVAC Co Ltd.

No strides can actually be made within the private sector without active support from the public sector, and we are particularly appreciative in this regard to Manyara Regional Administration, particularly RAS-Economy and Production sector for creating enabling environment through instituting cooperation, guidance, inputs and feedback relevant to the project. What's more, we extend our gratitude to the district/council focal persons from agriculture and cooperative departments of the project action areas for their ground coordination including linking and setting appointments the project with farmers which proved to be instrumental during the project implementation.

We thank our esteemed partners-the farmers, we learnt a lot from them through project resilience and commitment to the project activities and all other stakeholders who actively participated in one way or the other. We hope that the services gained during this project phase will be used, sustained and refined to cause transformation in common bean production, income and livelihoods. However, the lessons extracted from the project will be used with key partners in further supporting the development of smallholder farmers and businesses by the involved market system stakeholders.

Executive Summary

PIG-Pilot Phase have had a significant impact on improving productivity and market access for smallholder farmers in the common beans value chain in Manyara region. PIG based on the premise that common bean SHFs do not benefit from their farming activities due to constraints in the market systems. These constraints are related to fragmented market structure and systems, inadequate availability and access to seeds, poor and weak common actions by smallholder farmer organizations which leads to smallholders being price takers etc.

The project therefore, capacitated SHFs invested in GAPs and uptake of improved seeds for increased yields and exposing them to reliable markets whose revenue covered the costs of production and provides incentives for further production.

In order to boost adaptive capacity of SHFs to climate change mitigation and improve common bean productivity, SHFs were capacitated to take on climate-smart agricultural practices like conservation tillage implements, row crop multiple planters both hand pushed and tractor pulled, maintaining soil texture through replenishment of manure and green manure, hard pan breaking and early weeding to minimize weed and crop competition to moisture and nutrients.

Furthermore, to enable SHFs reduce common bean post-harvest losses, attract high volume of produce, premium prices from off-takes and secure high returns, SHFs were enhanced to adopt on and out-farm improved handling and good practices.

Key achievements include but not limited to:

- 20 demo plots planted and harvested for peer learnings on GAPs and improved seeds uptake.
- 2 farmer field days conducted at Haraa and Halu Villages, attended by 68 (M=31, F=11, MY=22 and FY=4) farmers/ neighbours.
- 5 MoU's signed with Agro dealers and AMCOS for stocking of improved bean seeds.
- 13 experienced QDS farmers were given field follow-ups training. QDS farmers play a critical role in seed production and distribution. As such, it is essential that they receive regular training and updates to ensure the production of quality seed.
- Conducted seeds demand audits, and established 140.6 metric tons demanded (Lyamungo 90 and Selian 13 varieties) for Mbulu, Hanang and Babati for 4,092 acreages.
- Trained additional new 17 QDS (M=14, F=1, MY=1 and FY=1) producers by TOSCI and registered.
- Conducted OCAT and Credit gaps assessments in 28 FO's, attended by 605 farmers (Female 226; M 379). Established credit gap/acre to be Tshs 570,357 and facilitated organizational management coaching to 148 leaders (Female 60; Male 88).
- Established 17 Market Intelligence Committees in 17 FOs from Mbulu, Babati. Hanang and Simanjiro) and conducted art of meeting mgt in 12 FOs
- Facilitated Financial Linkage meetings with TADB in 21 FO's. A loan of TZS 937,915,000/= applied to CRDB by 870 SHFs from Mbulu District is waited for its maturity.
- Supported population of farmers' production records and profiles to M-Kilimo portal for 460 farmers and supported and registered WhatsApp group of Manyara regional beans stakeholders with 120 members for information sharing.
- 749 champion farmers located in Mbulu, Babati, Hanang and Simanjiro DCs were given the opportunity to learn about CSA through awareness campaigns and practical training sessions.
- 30 youth extension providers were trained on CSA practices and Good Agricultural Practices (GAPs) to ensure the sustainability of CSA practices.
- 3751 FOs' representatives, from Simanjiro, Hanang, Mbulu, and Babati Districts were enhanced to



adopt on and out-farm improved handling and good practices to minimize post-harvest losses.

- 66 (51 new candidates and 15 refresher candidates) value addition women and youth SMEs trained on producing common bean value-added products and marketing them on different markets.

1.1 Background

SEIDA coordinated the implementation of the PIG Pilot phase through financial support of AMDT following the successful execution of an inception phase from July 2021 to March 2022.

The project addressed the following 5 systemic constraints hindering SHFs common beans production and market access in Manyara region;

- ✓ Limited access and availability to improved common bean seeds.
- ✓ Weak support service markets for provision of critical bundled services relevant and affordable to farmers (BDS, Financial services, market information and extension services).
- ✓ Limited application of Good Agricultural Practices and Climate Smart Agricultural practices.
- ✓ Limited Knowledge on Post-harvest loss Management Practices.
- ✓ Limited capacity for initiating and sustaining inclusive business reforms (Advocacy and dialogues in rural localities) where productive poor engage in commercial activities.

1.2 Project Goal

To develop capacities for improving productivity and market access for 10,000 smallholder women (4,180), men (3,320) and youth (2,500; YF=1,458 and YM=1,042) farmers in the common beans value chain in Manyara region by June 2023.

1.3 Project period covered

This technical end of project report covers project systemic interventions and respective deliverables attained in the entire life span (September 2022-June 2023) of the PIG-pilot phase implementation.

1.4 Report purpose

The report is a contractual obligation enshrined in the sub-agreement between AMDT (Main Facilitator) and the SEIDA (Co-Market Facilitator), the report documents and shares the overall project success, risks, challenges, lessons and recommendations which provide an opportunity for SEIDA & AMDT to examine future improvement strategies and develop best practices for extension and future projects if any.

1.5 The Project Business Idea

The pilot phase of the project was designed on the business idea that pursued to address the relationship gaps among three actors (farmers, seeds access partners and off-takers) and improve transactional efficiencies by addressing the major risks and providing the right incentives to the key business partners. As illustrated below, bringing down the off-takers to provide directions in terms of quantities and quality requirement gives focus to both the farmers who are producers and the input suppliers, mostly the seed companies. For the seed access partner, the business idea granted them with an option of strengthened relations with farmers for a greater market penetration approach and stronger customer base currently and in the future.

Farmers:

The key challenge was common bean farmers do not see the potential for common beans since there is no clear market structure. They sell grains to off-takers at whichever prices the traders give them. For that reason, they do not invest in Good Agricultural Practices and use recycled seed. Also farmers are subjected to deteriorating yields due to erratic weather caused by climatic change.

The project pursued to capacitate SHFs invest in GAPs and uptake of improved seeds for increased yields and exposing them to reliable markets whose revenue can cover the costs of investing in GAPs and improved seed adoption. Also, the project sought to boost adaptive capacity of SHFs to climate change



mitigation and improve common bean productivity by supporting SHFs uphold climate-smart agricultural practices like use of conservation tillage implements, row crop multiple planters both hand pushed and tractor pulled, maintaining soil texture through replenishment of manure and green manure, hard pan breaking and early weeding to minimize weed and crop competition to moisture and nutrients.

Seed access partners (Beula Seeds, Crop Bioscience, and QDS Farmers):

The key issue the project intended is to enhance a reliable and sustainable rural bean seed supply network improved within the project areas by supporting seeds access partner negotiate with agro-dealers to stock certified bean seeds and establishing business links between the QDS producers, farmers and AMCOS to sell their seeds.

Off-takers:

The key challenge was a failure for SHFs to produce the quality and quantity of common bean produce needed by the market. The project ought to support farmers to access uptake of improved seeds, GAPs adherence and equip SHFs with on and out-farm improved handling and good practices to minimize post-harvest losses reduce common bean produce losses so as to attract high volume and quality of produce enough to feed the market demand.

1.6 The Project Theory of Change

The systemic interventions implemented in the project aimed at delivering outputs, and outcomes as indicated in the illustration underneath and in due course contributed to the project goal of supporting 10,000 SHFs improve productivity and market access by 30th June 2023.

Based on the project business idea, the project interventions were therefore built on the following theory of change:

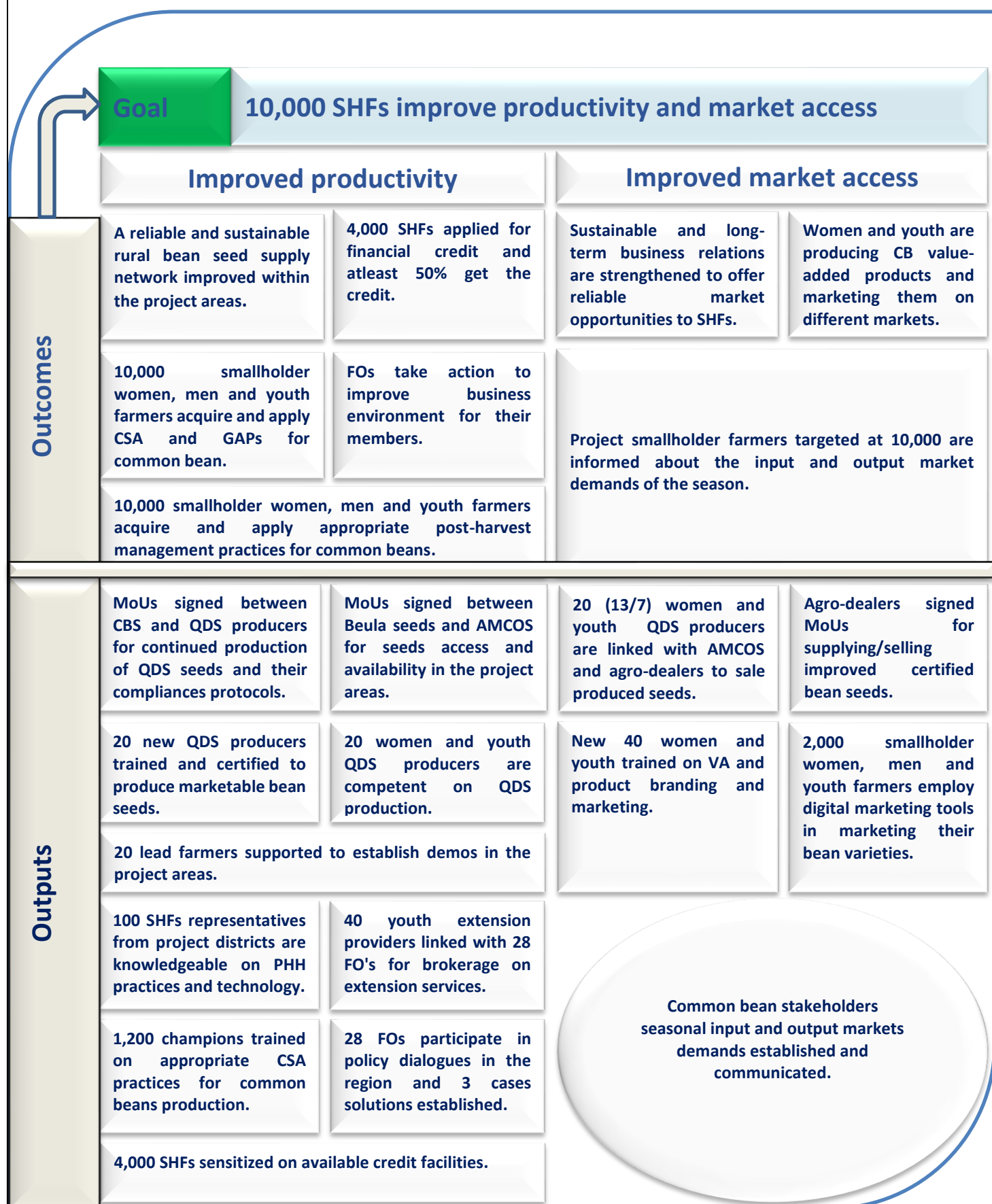


Figure 1: Project Theory of Change.

1.7 Project Action Areas

The project was implemented in six District Councils of Manyara region namely; Babati TC, Babati DC, Mbulu DC, Mbulu TC, Hanang DC and Simanjiro DC.

In Babati TC, the project was implemented in four wards; Sigino, Bagar, Bonga and Singe. In Babati DC four wards were reached; Arri, Riroda, Dareda and Ayalagaya. In Mbulu DC, the project was instigated in five wards; Haydom, Maretadu, Bashay, Hayderer and Tumati. The project was also accomplished in four wards of Mbulu TC; Bargish, Ayamaami, Gehandu and Daudi. The project services were also rendered upon SHFs from six wards of Hanang DC, Gitting, Nangwa, Mulbadaw, Masakta, Katesh and Endasak. Last but not least in Simanjiro DC, the project was executed in five wards; Msitu wa Tembo, Endonyongijape, Naberera, Narakauo, and Emboret. The project sites are shown in Figure 2 below;

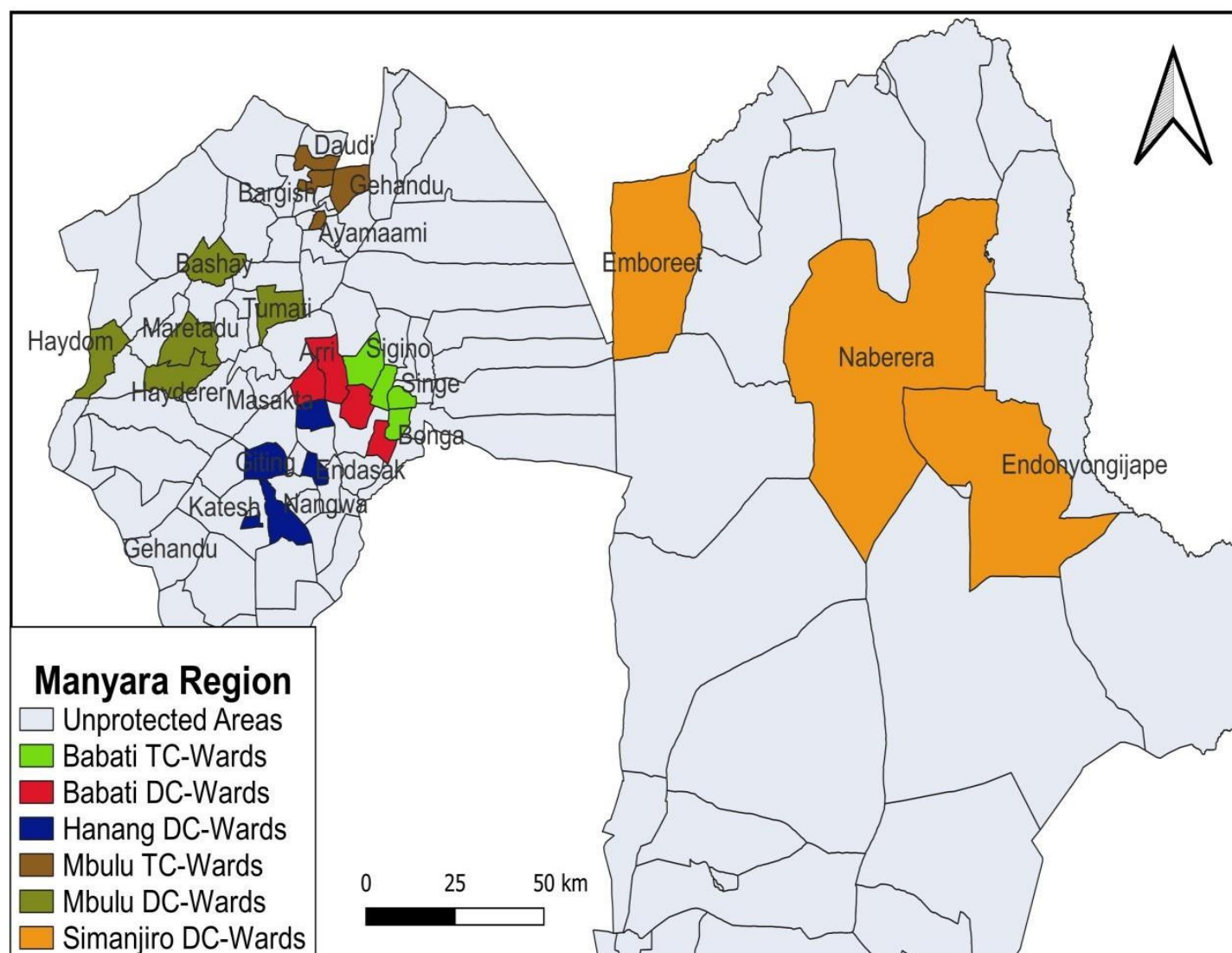


Figure 2: PIG project action areas

2.1 Project Team

PIG Pilot Phase project was fortunate to have a skilled and responsive field staff who worked earnestly to coordinate the project according to the work plan and field realities. Their unwavering dedication and hard work were essential to the project triumphs. The coordination of the project has been as per the organogram below:

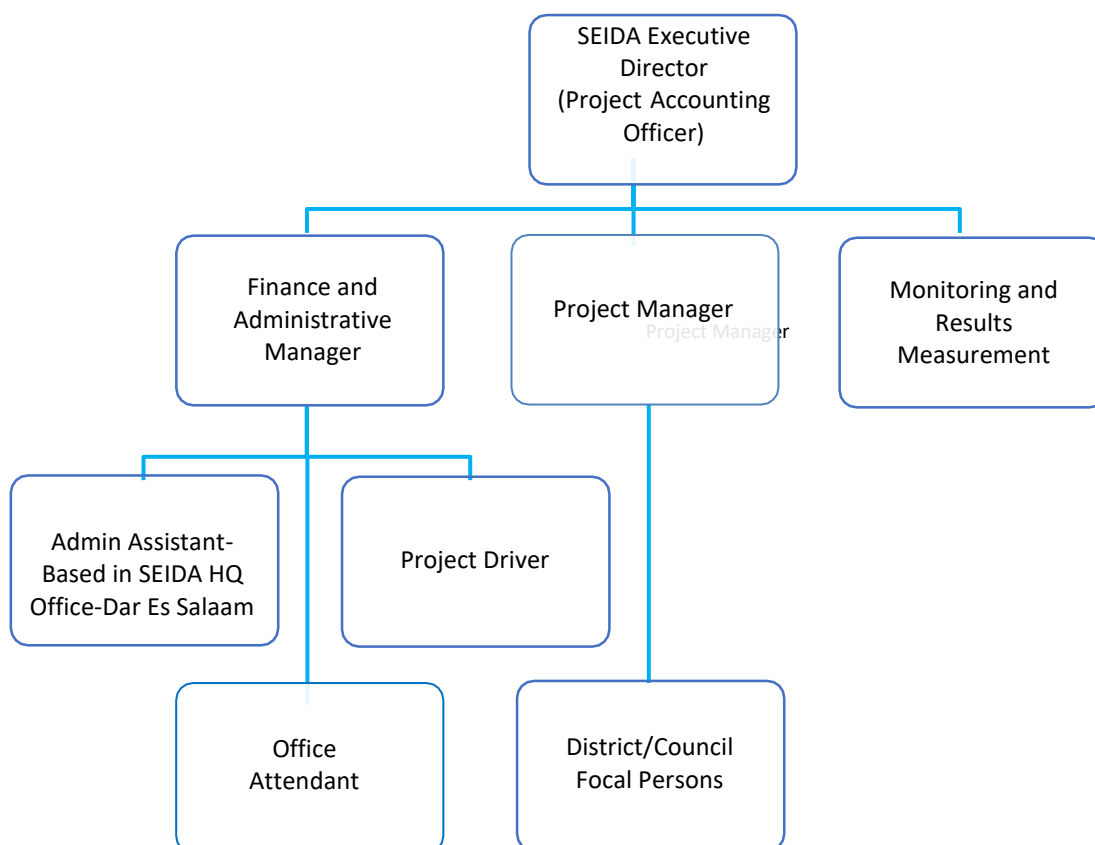


Figure 3: PIG Project Team

2.2 Project Consortium

The project was implemented using the M4P Approach also known as Making Markets Work for the Poor whereby SEIDA coordinated the project ground implementation by the 4 Market system actors/partners. The partners are; Agro- Tanzania Organization on Business Development Services, access to finance and collective aggregation/trading; Crop Bioscience Solutions Ltd on quality declared seeds (QDS) developments and supply systems as well as rural advisory services including Climate Smart Agriculture; Beula Seeds Company and Consultancy Ltd on seeds access and availability and BIVAC Co Ltd on common beans value addition market system areas.

2.3 Implementation Strategy

The project co-partners implemented their systemic intervention as per the signed MoU and Terms of References with close consultations with SEIDA field team. Meanwhile, the project was implemented under the mandates of the public agencies particularly District Councils whereby the project worked cooperatively with the key departments of agriculture and co-operatives in each district/council, the respective departments provided logistics arrangements in reaching the respective farmer organizations. Since the project activities were field based in nature, the project through co-partners delivered PIG services to SHFs while at their farm fields and/or offices where the respective stakeholders regularly meet and operate.

Table 1: Project District/Council Focal Persons

NAMES	COUNCIL	DESIGNATION	CONTACT
MAGOTI SIJAKI	MBULU TC	Cooperative Officer	0784 698108
ELIFADHILI MANAHIRI	MBULU DC	Agricultural Officer	0783 024569
GOTFRID MBOYA	HANANG DC	Cooperative Officer	0657 209188
MARTIN MBOLE	SIMANJIRO DC	Cooperative Officer	0786 069690
MORINGE RAIZER	BABATI DC	Cooperative Officer	0785 467444
SALOME MOMPOME	BABATI TC	Cooperative Officer	0784 439167

3.1 ACHIEVEMENTS ATTAINED BY SEIDA (MARKET FACILITATOR)

1. Profiled a total of 10,141/10,000 (101%) individual farmers; Male=5,874 (58%), Female=3,050 (30%), Youth Female=412 (4%), and Youth Male=805 (8%) respectively. **(See Annex 1: Beneficiaries' Dataset 2022/2023).**

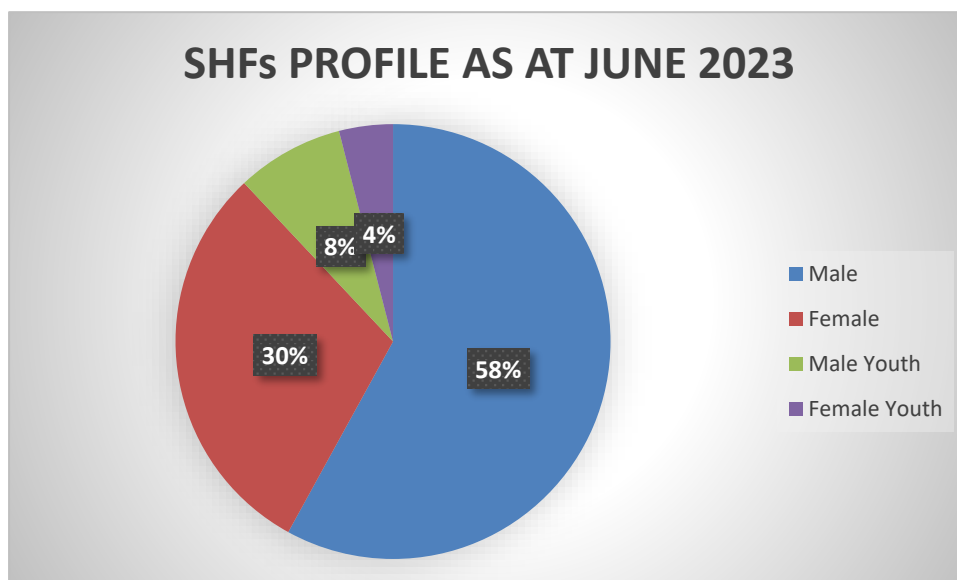


Figure 4: Profiled Individual Farmers

2. Supported co-partners to render PIG services to a total of 8,214/10,141 SHFs (81%); (Female=3121 (38), Male= 4025 (49%), Youth Female=329 (4%) and Youth Male=739 (9%) as at June 2023. **(See Annex 1: Beneficiaries' Dataset 2022/2023).**

Table 2: Project Outreach

Market System	Male	Male Youth	Female	Female Youth	Target	Achievement	Achievement (%)
Rural Advisory Services	0	17	0	13	40	30	75%
Business Development Services	1,778	426	1,466	161	4,000	3,831	96%
Access to Seeds	250	17	68	5	224	340	152%
Access to Finance	644	122	194	42	4,000	1,002	25%
Value Addition	11	16	11	28	60	66	110%
Collective Aggregation	557	52	223	148	2,000	980	49%
Post-Harvest Loss Management	1,305	364	1,493	589	5,000	3751	75%
Climate Smart Agriculture	339	82	231	97	1,200	749	62%
Total Average							81%

PROJECT OUTREACH AS AT JUNE 2023

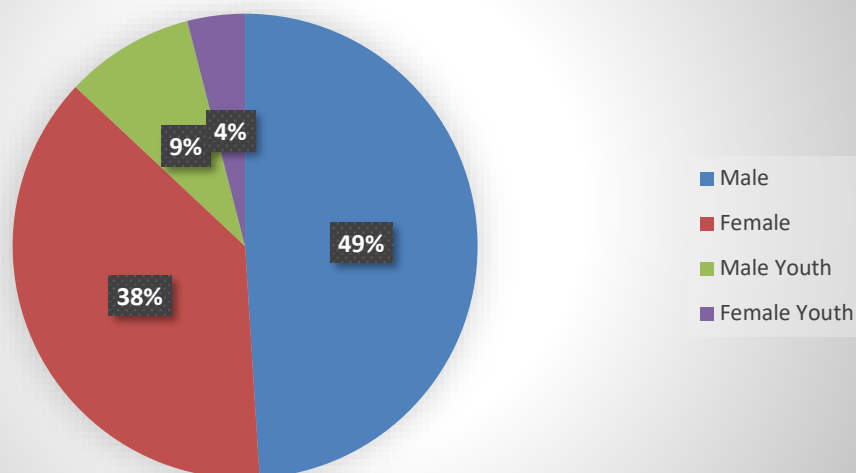


Figure 5: PIG Project Outreach

3. Provided backstops and field follow-ups to co-partners and provided regular updates and reports as required. During the period, the SEIDA field team conducted field follow-up visits at AMCOS and SHF levels to verify the progress reported by co-partners. The findings were shared to the respective project partners for them to improve their services to SHFs. For instance; we had one to one meeting with BIVAC to support VA SMEs initiate their enterprises using the skills provided. The main issue was to enhance common beans value added products and markets by women and youth SMEs.



SEIDA field follow-up at MTC Women SACCOS (Mbulu TC)



SEIDA field follow-up at Neema Group, Sinyati and Enyora Youth Group (Emboret-Simanjiro DC)

3.2 ACHIEVEMENTS BY MARKET SYSTEM AREAS

Market System Area 1: Access to Seeds

1. Conducted seeds demand audits, and established 140.6 metric tons demanded (Lyamungo 90 and Selian 13 varieties) for Mbulu, Hanang and Babati for 4,092 acreages.
2. 20/20 (100%) demo plots established for peer learning on GAPs and improved seed uptake from Babati, Mbulu, Hanang, and Simanjiro DCs.



Demo planting-Hombap village, Katesh-Hanang DC



Gitarida Madonga demo plot-Halu village, Babati DC

All 20 demo plots have been harvested. Despite the prolonged dry spell in the project areas, lead farmers recorded better yields caused by improved seeds uptake and application of good agricultural practices than farmers' common farm harvests. Consequently, the lead farmers and farmers around the plots have been motivated to the adoption of application of good agricultural practices and improved seed uptake in common bean production. The amount of produces per demo is indicated in the table below:

Table 3: Demo plots established

S/N	District	Name of a Lead Farmer	Sex	Age	Ward	Village/Street	Variety of Seed Received/Planted	Size of Demo	Status of Demos (Planted/not planted)	Quantity of seeds received (Kg)	Quantity of Fertilizer (Kg)	Quantity Harvested (kg)	Service Received
1	MBULU DC	LOTTI HALLO	M		HYDOM	NGWANDAKW	LYAMUNGO 90 & JESCA	20x15	PLANTED	2KG	3KG	3KG	GAP training
		NICOMED SIRIRI	M		HAIDERER	HAIDERER	SELIANI 13 & JESCA	20x15	PLANTED	2KG	3KG	8KG	GAP training
		CATHERIN OMA	F		HYDOM	HYDOM	LYAMUNGO 90 & JESCA	20x15	PLANTED	2 KG	3 KG	5KG	GAP training
3	BABATI TC	MWANAHAMSI MUNGWE	F		SIGINO	SIGINO	SERIAN 13 & TARI 06	20x15	HATVESTED	2KG	3KG	11KG	GAP training
		LEO KUMBI	M		BONGA	HARAA	SERIAN 13 & TARI 06	20x15	HARVESTED	2KG	3KG	15KG	GAP training
		MUHOJA MABULA	M		SINGE	SINGE	SERIAN 13	20x15	HARVESTED	2KG	3KG	7KG	GAP training
4	BABATI DC	CHRISTOFA JOSEPH	M		HALA	HALA	SERIAN 13 & TARI 06	20x15	HARVESTED	2KG	3KG	17KG	GAP training
		GITARIDA MADONGA	M		GALAPO	HALU	SERIAN 13 & TARI 06	20x15	HARVESTED	2KG	3KG	25KG	GAP training
5	SIMANJIRO	YOHANA LOLUKUTA	M		NARAKAUO	NARAKAUO	SERIAN 13 & JESCA	20x20	PLANTED	4KG	3KG	40KG	GAP training
		MARTHA KIFI	F		EMBORET	KATIKATI	SERIAN 13 & JESCA	20x20	PLANTED	4KG	3KG	40KG	GAP training
		KORDUNI LAIZER	M		EMBORET	MADUKANI	SERIAN 13, NJANO UYOLE & JESCA	20x30	PLANTED	5KG	3KG	20KG	GAP training
		MARY	F		EMBORET	KATIKATI	SERIAN 13 & JESCA	20x20	PLANTED	4KG	3KG	40KG	GAP training
		MARIA ARAMBAYO	F		OLKASMAT	OLDONYO NGIJABE	SERIAN 13 & JESCA	20x20	PLANTED	4KG	3KG	40KG	GAP training
		MARTHA SAMWEL	F		OLKASMAT	OLKASMAT	SERIAN 13 & JESCA	20x20	PLANTED	4KG	3KG	40KG	GAP training
6	HANANG'	MUSA ALLY	M		MASAKTA	MASAKTA	SERIAN 13 & TARI 06	20x15	PLANTED	2KG	3KG	10KG	GAP training
		ELIZA NKO	F		GALANGDA	GALANGDA	SERIAN 13 & LYAMUNGO 90	20x15	PLANTED	2 KG	3 KG	50KG	GAP training
		SCOLLA DAREMA	F		ENDASAKI	ENDASAKI	SERIAN 13 & LYAMUNGO 90	20x15	PLANTED	2KG	3KG	5KG	GAP training
		CATHERIN SALU	F		KATESH	KATESH	LYAMUNGO 90 & JESCA	20x15	PLANTED	2 KG	3 KG	25KG	GAP training
		PETER MANDOO	M		KATESH	KATESH	SERIAN 13	20x15	PLANTED	2KG	3KG	25KG	GAP training
		PETER HHAYUMA	M		NANGWA	NANGWA	SERIAN 13 & TARI 06	20x15	HARVESTED	2KG	3KG	7KG	GAP training

3. 2 farmer field days conducted at Haraa and Halu villages in Babati DC, attended by 68 farmers/neighbours (Male=31, Female=11, Male Youth=22 and Female Youth=4) (**See Annex 2: Farmer field days' attendance**). The good performance of the demo plots inspired the farmers attended to use improved seeds and adoption of good application practices for common bean production so as to attract supreme bean produce.



4. 5 MoUs signed between Beula Seeds Company and agro-dealers (Fide Mamba, Bayda agro-vet & Mamba kilimo) and AMCOS (Mlimani AMCOS in Haraa and Gallapo AMCOS at Gallapo-Babati DC) for stocking certified bean seeds. **(See Annex 3: MoUs-Beula, Agro-dealers & AMCOS)**. Due to the dry spell which hampered rain-fed improved seeds production by seeds access and availability partner, a total of 500kgs of Lyamungo 90 certified bean seeds were supplied to Bayda agro-vet from Haydom (Mbulu DC) for SHFs accessibility.
5. Trained and registered additional new 17/20 QDS farmers (85%) by TOSCI. However, due to starter seeds inaccessibility, the trainees were not given starter seeds and therefore they are expecting production in the upcoming farming season.



Vivian Mweta QDS farm, Dareda-Babati DC.

Table 4: 2nd batch of new QDS farmers

S/N	Names	Sex	District	Ward	FO	Contacts
1	Alfred Naal	M	Babati DC	Dareda	Dacofa AMCOS	0786 508208
2	Peter Mandoo	M	Hanang DC	Katesh	Katesh AMCOS	0787 031033
3	Hassan Mango	M	Babati DC	Arri	Bubu AMCOS	0769 435797
4	Marcelly Issahay	F	Hanang DC	Arri	Bubu AMCOS	0693 251834
5	Eliaphas Mungule	M	Babati DC	Singe	Gendi AMCOS	0689 900968
6	Patric Okelo	M	Babati DC	Singe	Gendi AMCOS	0688 521729
7	Faustine Yakob	M	Mbulu DC	Maretadu	Maretadu AMCOS	0625 920715
8	Joshua Barie	M	Mbulu DC	Maretadu	Maretadu AMCOS	0624 028119
9	Hipolit Umbu	M	Mbulu DC	Hayderer	Simmha SACCOS	0688 640598
10	Wema Edward	F	Mbulu DC	Bashay	Didihama AMCOS	0684 344650

11	Mussa Ally	M	Hanang DC	Masakta	Homari AMCOS	0786 691122
12	Elisantu Joseph	M	Mbulu DC	Tumati	Mwangaza Endosh	0686 249009
13	Joseph Damiano	M	Mbulu DC	Tumati	Mwangaza Endosh	0788 385740
14	Amani Marko	M	Mbulu DC	Tumati	Upendo Tumati	0785 150406
15	Fabiano Sulle	M	Mbulu DC	Dongobesh	Dongobesh SACCOS	0787 458161
16	Joram P Jigali	M	Mbulu DC	Dongobesh	Dongobesh SACCOS	0787 458161
17	Nicomedi Momoy	M	Hanang DC	Nangwa	Chauna AMCOS	0784 477497

In order to restrain the improved seeds availability and accessibility constraint among SHFs, a total of 27 QDS producers enrolled from areas with water sources (Mulbadaw, Tumati, Msitu wa Tembo, Dareda, Geterer, Singe and Ari) that need to be supported with drip irrigation facilities and starter seeds to produce seeds during off-season.

Table 5: List of prospective QDS farmers from adequate water sources

S/N	Name	Sex	Age	District	Ward	Farm size (Acre)	FO	Contacts
1	Alfred Naal	Male	57	Babati DC	Dareda	1	Dacofa AMCOS	0786 508208
2	Ephraim Lukumay	Male	63	Babati DC	Dareda	2	Dacofa AMCOS	0788 884948
3	Hassan Mango	Male	51	Babati DC	Arri	1	Bubu AMCOS	0769 435797
4	Yahaya Hiltra	Male	54	Simanjiro DC	M/Tembo	2	Msitu wa Tembo	0782 107045
5	Beda Jeremiah	Male	68	Simanjiro DC	M/Tembo	3	Msitu wa Tembo	0762 843405
6	Daniel Samwel	Male	78	Simanjiro DC	M/Tembo	3	Msitu wa Tembo	0693 472360
7	Paul Jacob	Male	58	Simanjiro DC	M/Tembo	2	Msitu wa Tembo	0623 702870
8	Marcelly Issahay	Female	53	Hanang DC	Arri	1	Bubu AMCOS	0693 251834
9	Wema Edward	Female	44	Mbulu DC	Bashay	1	Didihama AMCOS	0684 344650
10	Elisantu Joseph	Male	70	Mbulu DC	Tumati	1	Mwangaza Endosh	0686 249009
11	Joseph Damiano	Male	52	Mbulu DC	Tumati	1	Mwangaza Endosh	0788 385740
12	Amani Marko	Male	57	Mbulu DC	Tumati	4	Upendo Tumati	0785 150406
13	Erick Eldephonc	Male	29	Babati	Arri	5	Individual farmer	0719 070 564
14	Vivian Mweta	Female	46	Babati DC	Dareda	5	Individual farmer	0788 392 206
15	Emanuel Gabriel	Male	59	Mbulu	Tumati	2	Upendo Tumati	0623 797 573
16	Elizabeth Mwarjaset	Female	64	Hanang DC	Mulbadow	2	Sayuni AMCOS	0786 787 767
17	Stella Theodory	Female	41	Hanang DC	Mulbadow	2	Sayuni AMCOS	0786 646511
18	Ndelelio Nnko	Male	66	Hanang DC	Mulbadow	2	Sayuni AMCOS	0784 713223
19	Mathew Muslo	Male	58	Hanang DC	Mulbadow	2	Sayuni AMCOS	0689 755771
20	Eliza Timotheo	Female	48	Hanang DC	Mulbadow	1	Sayuni AMCOS	0685 950564
21	Samweli Lori	Male	50	Mbulu	Geterer	2	Individual farmer	0621 542145
22	Peter Lori	Male	52	Mbulu	Geterer	2	Individual farmer	0626 068 606
23	Adelade Mallya	Female	54	Babati	Sigino	10	Upendo group	0682 999282
24	Catherine Damiano	Female	47	Mbulu DC	Edahampa	1	Didihama AMCOS	0685 392060

25	Florentina G. Matiya	Female	73	Mbulu DC	Edahampa	1	Didihama AMCOS	0754 547627
26	Roman E. Sarwatt	Male	65	Mbulu DC	Edahampa	1	Didihama AMCOS	0785 220210
27	Ida Muna	Female	52	Babati	Dareda	10	Individual farmer	0755 768888

6. Refresher follow-ups training of 13/20 (F=5, M=8) old QDS producers (65%) conducted from Mbulu, Babati and Hanang.



QDS producers field refresher follow-ups in Babati TC

Table 6: List of QDS farmers received on-farm refresher follow-up

S/N	Names	Sex	Contacts
1	Kasimu Saidi	Me	0710020354
2	Kudra Juma	FE	0785275366
3	Mwanahamisi M	FE	0786841895
4	Adelaida Joakim	FE	0682999282
5	Grace Stefano	FE	0684298373
6	Faustini Tomasi	FE	0789029575
7	Florian Fita	ME	0693072222
8	Paulo Zakaria	Me	0785483935
9	Safari Awe	ME	0784902934
10	Erick Kairembo	ME	0687267825
11	Willy Qwaidesh	ME	0688655166
12	Vivian Mweta	ME	0788 392206
13	Boay Tlem	ME	0688 916 584

Together with adverse weather in the season there have been increased yields from the cadres of QDS producers, though their current produces will not fit as seeds since the produces are C2 seeds which doesn't fit anymore as seeds but becomes grains. The data obtained has shown the yields to be approx. 9,505 tons.

Table 7: QDS yields 2022/2023 season

S/N	Names	Sex	Age	Ward	District	Farm size	Yields (kg)	Contacts
1	Kasimu Saidi	M	50	Sigino	Babati TC	2	410	0710020354
2	Kudra Juma	F	54	Sigino	Babati TC	1.5	200	0785275366
3	Mwanahamisi Mohamed	F	48	Sigino	Babati TC	2	540	0786841895
4	Adelaida Joakim	F	66	Sigino	Babati TC	1	350	0682999282
5	Grace Stefano	F	65	Sigino	Babati TC	2.5	430	0684298373
6	Faustini Tomasi	F	52	Dareda	Babati DC	2	300	0789029575
7	Florian Fita	M	53	Dareda	Babati DC	2	500	0693072222
8	Paulo Zakaria	M	61	Endasak	Hanang DC	1	300	0785483935
9	Safari Awe	M	57	Endasak	Hanang DC	1	275	0784902934
10	Erick Eldephonice	M	60	Orkesumet	Simanjiro DC	1	250	0687267825
11	Gwaidesh Geay	M	52	Maeskron	Hanang DC	2	300	0688655166
12	Vivian Mweta	M	46	Dareda	Babati DC	7	1,800	0788 392206
13	Boay Tlem	M	81	Gitting	Hanang DC	5	1,250	0688 916 584
14	Elizabeth Nnko	F	64	Mulbadaw	Hanang DC	2	1,200	0786787767
15	Ida Muna	F	52	Dareda	Babati DC	3	1,400	0755 76 88 88
Total							9,505	

Market System Area 2: Access to Finance

1. Facilitated financial linkage meetings with TADB in 21 FOs from Babati, Hanang and Mbulu DCs. A loan of TZS 937,915,000/= applied to CRDB by 870 SHFs is waited for its maturity.



TADB staff during financial linkage with FO leaders-Katesh (Hanang DC)

Table 8: List of FOs/Partners attended financial linkage

DISTRICT	NAME OF FO/PARTNER	SEX		TOTAL
		FEMALE	MALE	
BABATI TC	1.GENDI AMCOS	0	2	6
	2.MLIMANI AMCOS	0	2	
	3.DISTRICT FOCAL PERSON	1	0	
	4.PEARL FRESH - BUYER	0	1	
MBULU DC	1.DIDIHAMA AMCOS	1	1	20
	2.MARETADU AMCOS	1	1	
	3.ZIWAMU AMCOS	1	1	
	4.MDC WOMEN SACCOS	7	0	
	5.SIMHHA SACCOS	1	1	
	6.AGROVET	0	1	
	7.DISTRICT FOCAL PERSON	0	4	
HANANG DC	1.HOMAR AMCOS	1	1	16
	2.BAHAMA AMCOS	1	1	
	3.CHAUNA AMCOS	1	1	
	4.SAYUNI AMCOS	1	1	
	5.KATESH AMCOS	1	1	
	6.AGROVET	0	1	
	DISTRICT FOCAL PERSON	2	3	
BABATI DC	1.BUBU AMCOS	0	2	4
	2.UPENDO GROUP	1	1	
	3.DACOFA AMCOS	1	1	
	4.GIBA AMCOS	1	1	
MBULU TC	1.WANAWAKE SACCOS	2	0	10
	2.NAMBIS AMCOS	0	2	
	3.GUWANGW AMCOS	1	1	
	4.BARGISH AMCOS	0	2	
	5.CLEVER BOYS CBO	0	2	
ARUSHA	1.MATUYANI AGROVET	0	1	1
TOTAL		25	36	61

The BDS partner linked and introduced a total of 24 FO's from all the project Councils to the TADB Bank, for them to understand the Banks agricultural loans terms and conditions. There have been noticed a good grasp of the representatives with the terms of the Bank. The bank has also shown interest to work with the farmers directly than through their co-operating partner Banks of CRDB and NMB whose farmers complained of their delays and higher interest rates. The below list of farmers and their FO's did fulfil the applications of loans processes and amounts they applied:

Table 9: List of FOs applied loans to CRDB

S/N	FO Name	District/Council	Amount Requested (TZS)	Number of loan applicants		
				F	M	Total
1	Nambis AMCOS	Mbulu TC	45,000,000	4	16	20
2	Bargish AMCOS	Mbulu TC	274,415,000	28	101	129
3	Didihama AMCOS	Mbulu DC	300,000,000	86	414	500
4	Maretadu AMCOS	Mbulu DC	318,500,000	68	153	221
5	Katesh AMCOS	Hanang DC	120,000,000	5	28	33
Total			937,915,000	186	684	870

As can be noticed much applications were realized from Mbulu, while Simanjiro and Hanang have shown preference of applying directly through TADB as they have experience with TADB loans through Loan Agro Implements lease arrangements. The below chart shows the applicants in sex segregation.

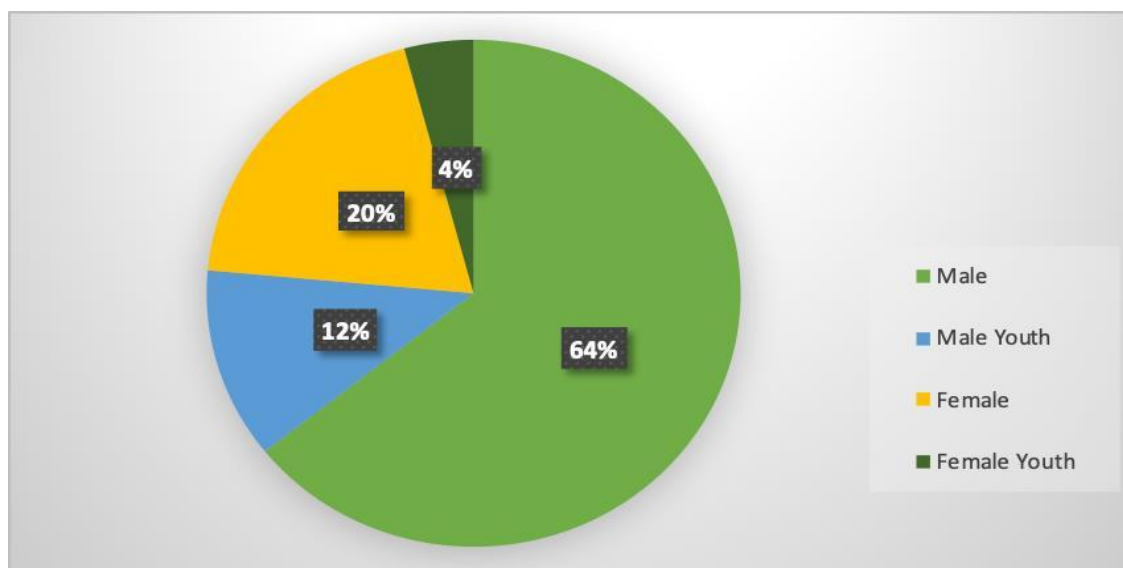


Figure 6: Loan applicants (SHFs) in sex segregation

Market System Area 3: Rural Advisory Services

1. To ensure the sustainability of CSA practices, it is crucial to educate the next generation of agricultural leaders. Hence, 30 youth extension providers were trained on CSA practices and Good Agricultural Practices (GAPs).



CSA and RAS training-Babati TC

The project during the period through the partner (CBS) introduced and sensitized two sets of the CSA cadres of youth champions and extension service providers. Whereas 30 out of 40 youth extension providers (50%) trained on CSA practices and GAPs. The training offered was meant to equip them with the understanding of the negative effects of climate change on the smallholder farmers which calls for mitigation strategies to reduce impacts on the farming and outcomes on the yields. Together, with this in mind, but our follow ups through visits and on-one-on-one with the provider (CBS) did indicate much

effort was put on the use of farming implements, rippers, hand planters and double digging strategies. Though these are as well recommended strategies but over reliance on them as the key strategy as to some extent affected trainees' motivation in cascading of the skills and being upfront in leading the effort.

There have been however, some application in Hanang, Babati DC and TC, however the outstanding application has been noted from Katesh AMCOS representatives who have done efforts in cascading the knowledge on use of drought resistance seeds, early season timing as well as timely weeding in control of pests amongst others. The large number of trainees have come with a challenge of lack of start-ups funds for them to acquire similar implements that they were trained on to use for them to use the knowledge and earn a living as an incentive for them to cascade the training to others. It is therefore showing us a lesson that the selection of the trainees that was made through their FO's with the close support of the partner did not emphasize on the motivation of the trainees to ensure that only those who would use the knowledge for others were given priority.

Together, with this challenge but the trained youths who have requested for start-ups have been linked to BDS partner ATO who amongst others is building their enterprising behaviours and linking them to TADB for implements loans.

Table 10: List of youth extension providers

S/N	Names	Sex	Age	Contact
1	Shakira Salimu	F	20	
2	Mohamed Abdallah	M	26	0744 591193
3	Isaya Mollel	M	27	0744 915219
4	Monica Humay	F	24	0788366300
5	Daniel Mollel	M	24	
6	Kevin Letayome	M	20	0759 105452
7	Bitrina Ibrahimu Salaho	F	31	
8	Johnson Petro	M	22	0733 374298
9	George Rafael	M	28	0686 687677
10	Emanuel Michael	M	29	0786 132661
11	Asha Juma	F	26	0694 085910
12	Julius Daudi Mollel	M	28	0765 856908
13	Peter Gabriel Peter	M	30	0682 080123
14	Kassim Said	M	36	0710 020354
15	Daniel Sillo	M	27	0786 275753
16	Joyce Ngalima	F	22	0682 734042
17	Baraka Simon	M	29	0627 803808

18	John Michael	M	28	
19	Baraka Iddi	M	22	0688 405742
20	Musa Iddi	M	20	0625 652859
21	Petro Samwel Mehhi	M	30	0789 934993
22	Hadija Ramadhan	F	20	0734713720
23	Samwel Baha Lagwen	M	26	0628 328 137
24	Tamba Jumanne	M	24	0718156778
25	Mustapha Bakari	M	25	0675 960 856
26	Ezra Z. Wiliam	M	26	
27	Amos Lorinyonyi	M	29	0620 878 405
28	Issaya S Mahu	M	31	
29	Elivis Shadrack	M	22	0657 866 555
30	John Qwari	M	28	0787 624 379

Market System Area 4: Business Development Services

1. Conducted organization capacity assessment and Credit gaps assessments in 28 FOs, attended by 605 farmers (Female 226; M 379). Production and market linkage found as major bottlenecks constraining common beans business growth in Manyara region.
2. Established credit gap/acre to be Tshs 570,357
3. Facilitated organizational management coaching to 167/160 leaders (104%), female 94 & male 73.

Table 11: List of FOs whose leaders trained on organizational leadership management

DISTRICT/COUNCIL	FARMER ORGANIZATION	SEX		
		FEMALE	MALE	TOTAL
MBULU TC	MTC WANAWAKE SACCOS	15	0	15
	NAMBIS AMCOS	0	3	3
SIMANJIRO DC	ENYUATA VICOBA	9	0	9
	SINYATI WOMEN	11	0	11
	NARAKAUO AMCOS	13	18	31
BABATI TC	MLIMANI AMCOS	1	5	6
	GENDI AMCOS	0	10	10
	UPENDO GROUP	12	2	14
MBULU DC	MARETADU AMCOS	1	13	14
	MDC WOMEN SACCOS	12	0	12
	DIDIHAMA AMCOS	13	7	20
	SIMHHA SACCOS	1	2	3
HANANG DC	BAHAMA SACCOS	0	9	9

	SAYUNI AMCOS	6	4	10
TOTAL		94	73	167

The follow ups on the productions of beans from the supported FO's has shown that the season has not been quite impressive and the yields as well is not as expected. This may have been caused amongst others with erratic and delayed rains in most parts of the region but also inaccess to improved seeds from the agrostockists and dealers in the region at large. See the summary of yileds from the followed up FO's.

Table: 12 CB grain production for 2022/2023 season

District	Acreage	Production (MT)
MBULU DC	886.8	266
MBULU TC	569.4	170.9
HANANG DC	618	185.3
BABATI DC	480.6	144.2
BABATI TC	246	73.8
SIMANJIRO DC	796.5	238.9

On the other hands the productions and yields varied from one district to the other depending with acreages, use of inputs and improved seeds but also weather patterns. The below graphs compares the yield across the project districts.

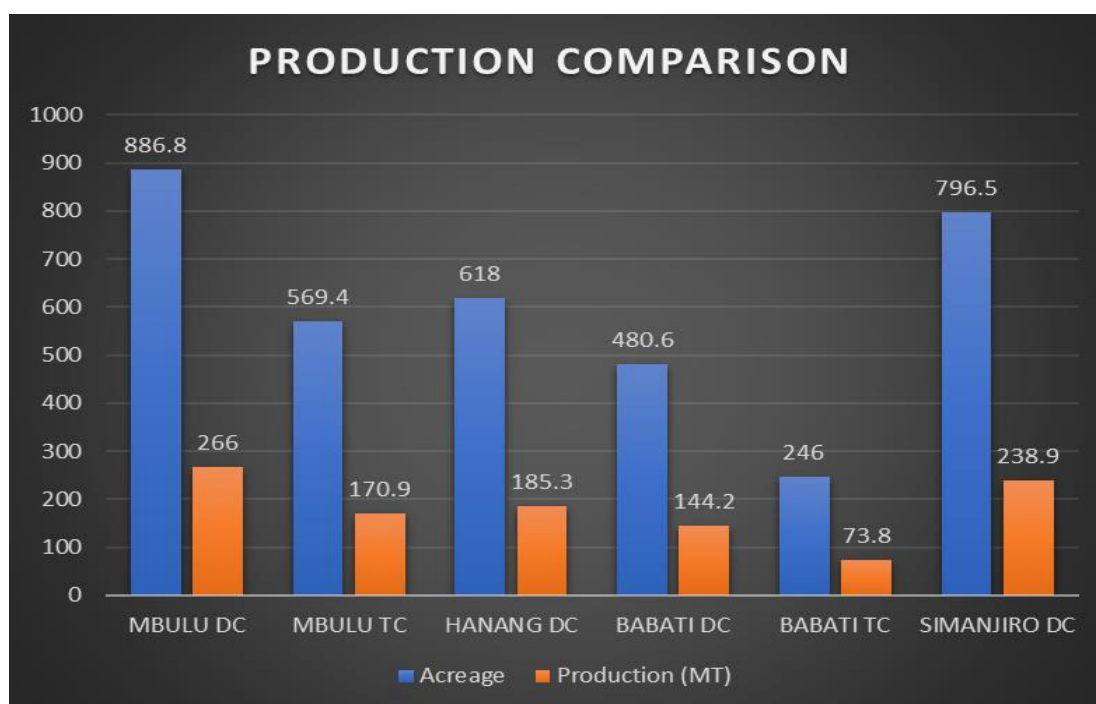


Figure 7: CB production in Manyara region for 2022/2023 season

Market System Area 5: Climate Smart Agriculture Practices & Technologies (CSA)

749 champion farmers located in Mbulu, Babati, and Hanang were given the opportunity to learn about CSA through awareness campaigns and practical training sessions.



Training on Conservation Tillage and Climate Smart Agriculture in Babati TC.

Market System Area 6: Collective Aggregation/Trading

1. Established and strengthened 17 Market Intelligence Committees from 17 FOs from Mbulu, Babati, Hanang and Simanjiro DCs.

Table 13: List of established and coached MICs

DISTRICT	FO	NAMES	SEX	CONTACT
SIMANJIRO DC	NARAKAUO AMCOS	1.YOHANA LORKUTA	MALE	0758111110
		2.SOPHIA E.KIMEI	FEMALE	0769646244
		3.ELIA REUBEN	MALE	0767211122
	ENYUATA VICOBA	1.MARIA ABRAHAM	FEMALE	0767768214
		2.MERY LOORINJON	FEMALE	0678275045
		3.MARTA BARAKA	FEMALE	0747033868
	KILIMO BORA AMCOS	1. PETER MWAJANGA	MALE	0756335983
		2.SAMWEL PAUL KYARA	MALE	0683746606
		3.KURUTHUMU SHABANI	FEMALE	0766666692
	ENYORA YOUTH GROUP	1.NDIMAYO K.LAIZER	MALE	0789219991
		2.NINAYE NG'ARANG'U	MALE	0694142222
		3.JOSHUA L.SIRIA	MALE	0783335881
BABATI DC	ENYUATA WOMEN	1.HOSIANA L.YANI	FEMALE	0683463831
		2.REBEKA JOSEPH	FEMALE	0699562230
		3.PENINA LAZARO	FEMALE	
	DACOFA AMCOS	1.KESSY A.SULLEY	MALE	0688058281
		2.EMMANUEL GASPER	MALE	0786679812
		3.TIOFANI N.MALANGE	MALE	0783157919
	UPENDO GROUP	1.MWANAHAMIS MOHAMED	FEMALE	0786841895

		2.KHASIM S.KHASSIM	MALE	0710020354
		3.KUDRA JUMA	FEMALE	0785275366
MBULU DC	BARGISH AMCOS	1.DANIEL SAMWEL	MALE	0628974806
		2.PAULO BAYO	MALE	0627554860
		3.GRACE DAUDI	FEMALE	0756812315
	DIDIHAMA SACCOS	1.WEMA KURANDEA	FEMALE	0684344650
		2.PETER FRANCIS	MALE	0762729095
		3.JOHN JOEL	MALE	0788836657
		4.MARRY JAMES	FEMALE	0685785373
		5.PHILIPO JOHN	MALE	0785449387
		6.AGNES QUAMUG'	FEMALE	
		7.VICENT JOSEPH	MALE	0683252703
	MARETADU AMCOS	1.WILLIAM SABAS	MALE	0699256009
		2.SULE SULE	MALE	0744422062
		3.YAKOBO ZEBEDAYO	MALE	0620833251
		4.ELIBARIKI MALLEY	MALE	0744293572
		5.ERNEUS MAO	MALE	07556231728
		6.CATHERINE QUAMARA	FEMALE	0784731419
		7.ALBINA NOBERT	FEMALE	
	MDC WOMEN SACCOS	1. PERPETUA PASCHAL	FEMALE	0624873194
		2.ELIMINATA MARTIN	FEMALE	0784890675
		3.THEODORA MATHIAS	FEMALE	0628052253
		4.CECILIA GETELIN	FEMALE	0782689556
	SIMHHA SACCOS	1.FELICIAN HIPOLITI	MALE	0623703188
		2.MARTIN MATHAYO	MALE	0754014676
		3.JOYCE MELCHOL	FEMALE	0621386205
MBULU TC	MTC WANAWAKE SACCOS	1.PHILIMINA JOHN	FEMALE	0682093150
		2.FAUSTA DELAY	FEMALE	0787482909
		3.ROSEMARY PAUL	FEMALE	0682093150
		4.ANNA LIVINGSTONE	FEMALE	0787153356
		5.HALIMA MARKO	FEMALE	
		6.JOSEPHINA SIJAKI	FEMALE	0682134949
		7.TRIPHONIA F.ASSENGA	FEMALE	0687908887
	NAMBIS AMCOS	1.PAULO GABRIEL AMI	MALE	0789415804
		2.MARTIN LUCIAN	MALE	0622638919
		3.BONIFACE MUNA	MALE	0622613819
	GUWANGW AMCOS	1.ANNA AMNE	FEMALE	0765461728
		2.EMMANUEL MICHAEL	MALE	0786132661
		3.ZACHARIA AMNAANG	MALE	0789643014
HANANG DC	SAYUNI AMCOS	1.N.N.NNKO	MALE	0784713223
		2.ELIZABETH NNKO	FEMALE	0786787767
		3.ELIZABETH ISSALO	FEMALE	0784806808
		4.ABDALAH SAID	MALE	0782749011
	BAHAMA SACCOS	1.MARCEL P.ISSAYA	MALE	0685206992
		2.JOHN B.ARRA	MALE	0789493728
		3.MARCEL B.KWASLEMA	MALE	0788046948

2. Supported 460 farmers who subscribe to M-Kilimo and have access to the portal. ***See Annex 5: List and # of farmers subscribed in M-Kilimo and access to the portal.***
3. Supported and registered a WhatsApp group of Manyara regional beans stakeholders with 120 members for information sharing. The digital platforms assist SHFs with access to information, sharing challenges, and interaction with researchers, extension officers, buyers, and other stakeholders on pests and diseases control, market and seeds access and availability.

Market System Area 7: Post-Harvest Loss Management

To enable farmers reduce bean produce losses, secure high returns from investments on bean productivity and access to profitable bean markets, a total of 683 FOs representatives (***See Annex 6: List and # of FO representatives participated on simple post-harvest-loss management training***), consisting of M=238, F=272, MY=66 and FY=107 from Simanjiro, Hanang, Mbulu, and Babati Districts were enhanced to adopt on and out-farm improved handling and good practices to minimize post-harvest losses. ***See Annex 12: Soft copy of information guide on post-harvest loss management used.***



Post-harvest loss management training at Emboret and Msitu wa Tembo (Simanjiro DC)

Market System Area 8: Value Addition

Value addition trainings were conducted to a total of 66 candidates, consisting of M=11, F=11, MY=16 and FY=28. **(See Annex 7: List of value addition trainees)**. These trainings included refresher courses for 15 experienced candidates, as well as new 51 candidates from Simanjiro, Hanang, Mbulu, and Babati.

While the initial target was to train 40 new candidates and provide a refresher for 20 experienced candidates, the turnout was higher than expected, with a total of 66 candidates attending the trainings. The impact of these trainings is expected to reach even more individuals as they were covered by 3 media outlets, namely Star TV, Radio Free Africa and Habari Maalumu Radio. **(See Annex 8: Star TV program-VA Training)**



VA Training in Babati-Beans' porridge preparation.



VA Training in Mbulu-Beans' porridge tasting.

CHAPTER 4: PERFORMANCE MEASURES

The efforts undertaken by the Market Facilitator right from the commencement of the phase has enabled the project to attain the target of 10,084 individual farmers outreach and recruitments a quarter earlier before the end of the period set for June, 2023. The outreach is 101% of the target that was set at 10,000. The composition reached is 6,641 men and 3,443 women.

The project has introduced in the period partners (SP's and MA's) monthly feedback reviews and meeting a very first week of the new month and monthly progress physical report than a quarter to allow taking correctives measures and timely supportive backstops. The initiative has also helped in providing the partners opportunity to air out the emerging challenges and synchronizes their field movements at the same time provides the MF as well opportunity to develop monthly monitoring plans.

Another area of performance measure undertaken during this quarter which will be maintained in the following period is on reorganization of the reports, presentation of progress on either SCA's or market Systems backed with short, brief and concise data, pictures and against the targets. With this will make the reporting easy and informative than descriptive reports which makes difficult for the project consumers and next level users to provide feedback.

CHAPTER 5: FINANCIAL STATUS AGAINST WORKPLAN

The financial status as of 30th June 2023 is as hereunder;

Grantee Name:	SEIDA
Project Title:	"Pulses for Inclusive Growth Project"
Reporting Period:	September 2022 -June 2023
Reporting Currency:	US\$



Expenditure Summarized	Market System/Management Costs	Sept - Dec 2022	Jan - Mar 2023	Apr - Jun 2023	Total Expenditure	Total Budget	Variance	Variance in %age
	Access to Seed	8,562.13	7,338.11	6,824.13	22,724.36	24,614.00	1,889.64	7.68%
	Access to Finance	8,475.96	4,529.04	-	13,005.00	13,000.00	(5.00)	-0.04%
	Rural Advisory Services (RAS)	-	-	2,226.09	2,226.09	6,000	3,774	63%
	Post-Harvest Management (PHH)	-	692.13	9,496.74	10,188.87	11,000	811	7%
	Climate Smart Agricultural Practices and Value Addition	5,402.73	7,165.35	-	12,568.08	12,000	(568)	-5%
	Business Development Services (BDS)	-	-	20,153.52	20,153.52	20,000	(154)	-1%
	Collective Aggregation and Marketing/T	2,008.70	3,006.65	5,815.39	10,830.74	10,980	149	1%
	Human Resources	-	12,184.96	8,281.78	20,466.74	20,000	(467)	-2%
	Project Monitoring Costs	17,398.31	13,046.24	13,046.24	43,490.78	46,627	3,136	7%
	Office Administration	4,717.74	2,518.70	3,248.74	10,485.17	12,060	1,575	13%
	Management Fees	3,148.26	215.65	2,164.47	5,528.38	6,080	552	9%
		3,755.13	6,576.88	7,599.06	17,931.07	17,639	(292)	-2%
	Total Expenditure	53,468.95	57,273.70	78,856.16	189,598.81	200,000	10,401	5%

CHAPTER 6: INTERVENTION ASSESSMENT (SELF-ASSESSMENT BY MARKET FACILITATOR)

6.1 Operational Assessment

The project operations have been steady in the reporting period, there have been frequent follow ups and support both from the Main facilitator and the Market Facilitator to the partners as well as the direct project beneficiaries. The actions have improved project service delivery at the beneficiary's levels.

In the period there have been adequate and sustained supportive visits from the Main Facilitator conducted by both line managers as well as the SLT and the Board of Trustee. All the visits have aided improved performance and implementation by all the key implementing partners. The Regional and District Authorities were at all times kept on the loops at all the time and the project is well known by the key departments, either the periodical reports have been shared with the Authorities in sharing the successes as well as the challenges affecting the sector and the smallholders at large.

6.2 Financial Assessment

In this reporting period, the finance has conducted follow-ups and supported partners in their reporting and systems, feedback has been given on areas that required improvements, and issues that had problems have been rectified and closed. 20 1 L/M/H refers to the ranking of the risk or positive factors with respect to the probability or likelihood that the risk factor will materialize and the intensity/magnitude of their occurrence (impact) on the scale of L (Low), M (Medium) and H (High) These included verifications of EFD receipts amongst others.

CHAPTER 7: KEY RISKS, CHALLENGES, LESSONS LEARNT AND RECOMMENDATION

7.1 Key risks and challenges encountered during the project implementation

S/N	Description of risk	Likelihood L/M/H ¹	Impact L/M/H	Action planned/taken to mitigate the risks
1	Availability and access to seeds has remained the project reputational risky factor.	H	H	<ul style="list-style-type: none"> The project has discussed openly the problem with all the key stakeholders and beneficiaries alike. To make all players understand that problem require collective efforts to tame the challenge. The Main Facilitator have been asked to treat the risky with the weight it deserves by doing deliberate actions, that includes more rolling of QDS producers, starter seeds grant for the producers and producing seeds during the off season from areas with irrigation infrastructures.
2	Some farmers expressed their discontent about the excessive focus on follow-up visits rather than allowing them to concentrate on their farming activities.	M	M	To ensure that farmers can focus on their agricultural tasks, we should strike a balance between conducting follow-up activities and giving them adequate time. Additionally, it's essential to prioritize follow-up activities based on their urgency and significance. While we have established definite aims and targets for the project, we need to clarify them further and specify the extent of the farmers' participation required.

7.2 Lessons Learnt

The current level of the QDS producers recruited, trained and registered with the project of 37 by end of this reporting period still leaves a lot to be desired to address the challenge of seeds in the project area and the outreach attained. Literally the ratio is 1: 273 farmers. Given the size of farms of QDS farmers this achievement is a token of glass of water in an ocean. Therefore, it is necessary for the project and the Main Facilitator to triple enrolment of the cadre of QDS producers to increase the current ratio. However, there is anecdotal evidences from the initial QDS producers to graduate to the level of rural agro dealers and stock seeds at their own areas for increased access.

While the situation stands as it is but again the demand of the service from FO's is overwhelming, this was well noted from various follow ups done during the course of the implementation. Looking at how things were during the beginning of the project, there have been a positive change in smallholders' mindsets for the demand and use of the common beans improved seeds following the project promotion on the same.

On the other hand, the youths recruited to implement CSA have shown to lack motivation of taking forward the cascades of the intervention unless linked with the start-ups for acquisition of implements. As this activity is ongoing there will be a scrutiny on the candidates as well as building the incentives on the activity only for those who can take it further. It has also provided us with highlights of the partner to have limited flexibility on the concept by putting much emphasis on mechanization elements than others.

7.3 Challenges

- Limited availability of starter seeds (improved beans) from the research institutions.
- Consecutive 2 season's erratic rains has affected supply of initial seeds supported.
- Seed producers e.g. QDS producing in the same season with farmer affecting supply system.
- Farmer have preferences with bean varieties which are less available, e.g. Lyamungo 90.
- Delays of loans from the Banks linked to FOs.

7.4 Recommendation

In order to address the desperate seed access constraint facing PIG, we recommend;

- Project to consider revamping of seed grant at least to QDS producers.
- Seed producers from areas with adequate water sources such as Tumati & Bashay (Mbulu DC) and Basotu (Hanang DC) etc. need to be supported with irrigation facilities and starter seeds to produce seeds during off-season.
- Consider special intervention with public/private seed breeders to support market system of bean seeds.
- Depending with the Trust fundraising, consider partnering with Banks/FI's under guarantee schemes for the beneficiaries' access to loans.

7.5 Activities with performance gaps

The activities with performance gaps ***see annex 9.***

Annexes

- Annex 1: Beneficiaries' Dataset 2022/2023
- Annex 2: Farmer field days' attendance
- Annex 3: MoUs-Beula, Agro-dealers & AMCOS
- Annex 4: PIG Implementation Summary
- Annex 5: List and # of farmers subscribed in M-Kilimo and access to the portal.
- Annex 6: List and # of FO representatives participated on simple post-harvest-loss management training
- Annex 7: List of value addition trainees
- Annex 8: Star TV program-VA Training
- Annex 9: Activities with performance gaps
- Annex 10: Summary of achievements against targets as outlined in SIW.
- Annex 11: Soft copy of information guide on post-harvest loss management.
- Annex 12: Updated project guide based on progress made on a given quarter.