COFFEE FARMER FIELD SCHOOL (FFS) REPORT

DGR & MNP Micro-Landscapes

SUSTAINABLE AGRICULTURE & LIVELIHOODS ACROSS LANDSCAPES (SABAL)

Introduction:

Promoting Coffee Eco-Intensification in Landscape areas is one of the core components in SABAL project where Coffee is growing. Under the Coffee Eco-Intensification part, we have selected 40 Demonstration plots (DGonduru Landscape-20 & MNittaputtu Landscape-20), and we designed a Coffee Manual for the Eco-Intensification Model to apply.

Objectives of Farmer Field Schools (FFS)

Farmer Field Schools (FFS) are a participatory and interactive approach to agricultural extension and education. The main objectives of FFS are:

1. Improved agricultural productivity
2. Sustainable agricultural practices
3. Empowerment of farmers
4. Community development
5. Knowledge sharing and dissemination
6. Problem-solving and critical thinking
7. Market access and entrepreneurship
8. Climate change resilience
9. Soil conservation and health
10. Food security and nutrition:

Objective of the Coffee Eco-Intensification:

- ❖ 40 Demonstration Coffee Orchards Development
- ❖ Ensure 6 types of shade plants (100 Plants /Ac) to be planted in Coffee Lands.
- ❖ Ensure 100% Pest & Disease Management by following Organic & NF Methods
- ❖ Increase Yield (Parchment) 20% by the end of the period.
- ❖ Enhance the farmer Income & Plot Bio-Diversity.

Activity (FFS) Description:

Part of Coffee Eco-Intensification Model, we have provided 100 different fruit bearing plants to teach demo farmer and transplanted in the month of June 2024. In continues that, we planned to organize FFS (Farmer Field School) to the 40 Demo Farmers as per the Designed Manual of Coffee Eco-Intensification.

	COFFEE ECO-INTENSIFICATION MODEL FARMERS DETAILS DGonduru & Mnittaputtu Micro-Landscapes						
S.No	Panchayath	Village	Farmer Name	Spouse Name	Latitude	Longitude	Extent/acr
1	D Gonduru	D.Gonduru	Ch.Bonjubabu	W/o kondamma	18.0678417	82.634825	1
2	D Gonduru	Karakaputtu	Kuda chinnababu	S/o chinnabalanna	18.0661035	82.6434409	1
3	D Gonduru	D.Gonduru	Majji Bonjubabu	Matchayya	18.0665489	82.6284742	1
4	D Gonduru	Vakapalli	Sambi nagaraju	Rambabu	18.065225	82.6203767	1
5	D Gonduru	Marripalem	Killo Budranna	Killo Dombanna	18.0724507	82.6282172	1
6	D Gonduru	Karakaputtu	Kuda Eswaramma	Kantharao	18.0624896	82.6447484	1
7	D Gonduru	Karakaputtu	Kuda bodayya	Pinnayya	18.0631228	82.6506954	1
8	D Gonduru	Karakaputtu	Kuda somanna	Pinnagya	18.0632077	82.650994	1
9	D Gonduru	Kokkellu	Kuda	Shbhadra	18.0607802	82.6344605	0.5
10	Singarbha	Sankulamidde	Sageni krishnaRao	sageni santhi kumari	18.0207976	82.4914549	1
11	Singarbha	M Nittaputtu	Paradani Kamaraju	Lingannadora	18.016943	82.497332	1
12	Singarbha	M Nittaputtu	Paradani Jogiraju	Lingannadora	18.016457	82.497075	1
13	Singarbha	M Nittaputtu	Paradani Balayyadora	Chinalingannadora	18.014818	82.500486	1
14	Singarbha	M Nittaputtu	Paradani Gangaraju	Satyanarayana	18.01559	82.497754	1
15	Singarbha	M Nittaputtu	Paradani Peddabbai	Itthammadora	18.014675	82.50172	1
16	Singarbha	Rachapalli	Paati Karribabu	Peddabbai	18.013134	82.506806	1
17	Singarbha	Rachapalli	Paati Bheembabu	Peddabbai	18.013678	82.506211	1
18	Singarbha	Rachapalli	Paati Nukaraju	Pinnayya	18.013636	82.506116	1
19	Singarbha	Rachapalli	Kota Sanyasayya	Somayya	18.013656	82.506143	1
20	Singarbha	Rachapalli	Paliboyina Matyalingam	Malanna	18.15035	82.504589	1
21	Singarbha	Sankulamidde	Budi Simhachalam	Chinnayya	18.020388	82.490743	1
22	Singarbha	Sankulamidde	Sagina Krishnarao	Nookaraju	18.02066	82.491178	1
23	Singarbha	Sankulamidde	Kimudu Bhimeswararao	Venkataramana	18.02081	82.491586	1
24	Singarbha	Sankulamidde	Dooru Simhachalam	Ganganna	18.02265	82.496473	1
25	Singarbha	Sankulamidde	Sagina Prasadrao	Chinakaubabu	18.022585	82.497833	1
26	Singarbha	Bharam	Meda Rajarao	Chinnalaxmayya	18.015016	82.504543	1
27	Singarbha	Bharam	Meda Srinu	China Apparao	18.014971	82.503299	1
28	Singarbha	Rolangiputtu	Masadi Gangaraju	Pinnayya	18 020 393	82.490739	1
29	Singarbha	Goddibusulu	Vandlabu Demudlunaidu	Somu naidu	18.026344	82.522783	1

30	Singarbha	Goddibusulu	Vandlabu Matsyakondam Naidu	Somu naidu	18.026455	82.523344	1
31	Vanjangi	Borra Mamidi	Ulli Apparao	Balayya	18.051073	82.6349813	1
32	Vanjangi	Bakkalapanuku	Kuda Pothuraju	Beemayya	18.051865	82.6315417	1
33	Vanjangi	Doddipalli	Kondibi sathibabu	S/o Ranayya	18.0525953	82.6239666	1.45
34	Vanjangi	Doddipalli	Kuda sanjeevarao	W/o varalaxmi	18.0509116	82.6313734	1
35	Vanjangi	Doddipalli	Kuda simhachalam	W/o Bimmalamma	18.051777	82.6308331	0.5
36	Vanjangi	Korruputtu	Pujari stayarao	Sannibabu	18.0480939	82.6470431	1
37	Vanjangi	Borra Mamidi	Regam balanna	Bojjanna	18.0504366	82.6365131	0.8
38	Vanjangi	Borra Mamidi	Ulli apparao	Balayya	18.0511159	82.6350068	0.8
39	Vanjangi	Goppulapalem	Kadeli krishnaprasad	Devavva	18.0458403	82.6427177	1
40	Vanjangi	Goppulapalem	Sovgori krishnarao	Bonjubabh	18.0547405	82.6393074	1
41	Vanjangi	Doddipalli	Kondibi Balayya	W/o parvathamma	18.0486176	82.6282447	3.5

Varieties Grown in Paderu Region:

Arabica (Cauvery, Chandragiri, S5, S7, S9,S11 etc & Robusta)

* The FFS has been conducted from July to December (Monthly Trainings) 2024.
Total 12 (6+6) Filed level trainings were conducted among the Landscapes also been monitored the execution by the farmers which they learned in the FFS.

S.No	Landscape Name	Date of the training	Venue	No of the participants	Resource Person
1	D Gonduru	23-07-2024	Bakkalapanuku	45	Mr.Naidu, Wassan
2	D Gonduru	24-08-2024	D Gonduru	30	Mr.Naidu, Wassan
3	D Gonduru	10-09-2024	Doddipalli	30	Mr.Ravindra, RySS
4	D Gonduru	30-10-2024	Kokkellu	30	Mr.Bhaskar, RySS
5	D Gonduru	15-11-2024	Karakaputtu	40	Mr.Naidu, Wassan
6	D Gonduru	25-12-2024	Borramamidi	25	Mr.Satyanarayana, RA

S.No	Landscape Name	Date of the training	Venue	No of the participants	Resource Person
1	M Nittaputtu	17-07-2024	Buruguveedhi	40	Mr.Vasu, Technoserve
2	M Nittaputtu	20-08-2024	MNittaputtu	28	Mr.Raju, HO
3	M Nittaputtu	16-09-2024	Bharam	32	Mr.Chinnarao, Technoserve
4	M Nittaputtu	29-10-2024	MNittaputtu	35	Mr.Vasu, Technoserve
5	M Nittaputtu	22-11-2024	MNittaputtu	30	Mr.Vasu, Technoserve
6	M Nittaputtu	19-12-2024	Rachapalli	30	Mr.Chinnarao, Technoserve

Month Wise Covered Topics in the FFS

July 2024

Objective:

Guide farmers on best practices of Pruning, Pre-Harvesting Techniques, Shade Management, Gap Filling, Plantation etc. to maintain the filed with full of Plantation

Activities:

- As it was the Monsoon season, focused on Pruning activities such as Centering, Topping, De-suckering, unwanted branches removal etc. by using Prunner only.
- Explanation of the Shade Management i.e, increase the shade by planting the fruit bearing plants, increase the Coffee plants count by Gap Filling etc.
- Demonstrate selective picking techniques to harvest only ripe coffee cherries, ensuring uniformity and optimal flavor in the final coffee product.
- Discuss visual and tactile indicators of cherry ripeness (e.g., color, firmness, sweetness) to help farmers make informed harvesting decisions.
- Emphasize the importance of timely harvesting to prevent overripening or under ripeness, which can affect bean quality and market price.

At Buruguveedhi Village

At Bakkalapanuku VIllage

August 2024

Objective:

Create Awareness to the farmers on best practices of Pruning, Pre-Harvesting Techniques, Shade Management, Gap Filling, Plantation etc. to maintain the filed with full of Plantation.

Activities:

- Monsoon season, focused on Pruning activities such as Centering, Topping, De-suckering, unwanted branches removal etc. by using Prunner only.
- Explanation of the Shade Management i.e, increase the shade by planting the fruit bearing plants, increase the Coffee plants count by Gap Filling etc.
- Demonstrate selective picking techniques to harvest only ripe coffee cherries, ensuring uniformity and optimal flavor in the final coffee product.
- Discuss visual and tactile indicators of cherry ripeness (e.g., colour, firmness, sweetness) to help farmers make informed harvesting decisions.
- Emphasize the importance of timely harvesting to prevent overripening or under ripeness, which can affect bean quality and market price.

At D Gonduru Village

At MNittaputtu Village

September 2024

Objective:

Highlight the importance of soil health management and mulching in sustaining long-term productivity and soil fertility, Pest & Disease Management.

Activities:

- Conduct comprehensive soil health assessments to evaluate nutrient content, pH levels, and organic matter.
- Demonstrate proper application of organic mulches (e.g., coffee pulp, leaf litter) to conserve soil moisture, suppress weeds, and improve soil structure.
- Discuss the benefits of organic matter in enhancing soil fertility, supporting beneficial microorganisms, and reducing dependence on synthetic fertilizers.
- Application of Drava Jeevamrutham, Ghana Jeevamrutham for increasing the soil fertility

At Doddipalli Village

At Bharam Village

October 2024

Objective:

1. Encourage farmers to maintain detailed records and implement strategic farm planning for improved productivity and profitability.
2. Pest & Disease Management by using organic matters.
3. Providing Pruners from SABAL (Each One)

Activities:

- Prevention methods of White Stem Borer
- Leaf rust control methods
- Introduce record-keeping tools and methods to track crop inputs, expenses, yields, and weather patterns.
- Discuss the importance of analysing data for informed decision-making, crop rotation planning, and resource management.
- Assist farmers in setting achievable goals and developing annual farm plans based on market trends, climate conditions, and available resources.

At Kokkelu Village

At MNittaputtu Village

November 2024

Objective:

1. Guide farmers in executing precise harvesting techniques and selecting high- quality coffee beans to meet market demands.
2. Quality Coffee Preparation

Activities:

- Demonstrate selective picking methods to harvest ripe coffee cherries while leaving unripe or defective fruits on the plant.
- Discuss the impact of bean selection on coffee cupping quality, emphasizing factors like bean size, density, and uniformity.
- Provide hands-on training in evaluating coffee cherries for optimal ripeness and quality, enhancing farmers' skills in premium bean selection.
- How to prepare the quality Coffee by using Wet & Dry processing methods.

At Nittaputtu Village

At Karakaputtu Village

December 2024

Objective:

1. Educate farmers on proper post-harvest storage practices and winter care techniques to protect coffee plants and preserve bean quality.
2. Creating awareness on Marketing the produce.

Objective:

- Introduce methods for storing dried coffee beans in clean, ventilated containers to prevent moisture absorption and maintain freshness.
- Discuss protective measures such as pruning, mulching, and temporary shade structures to shield coffee plants from cold temperatures and frost damage.
- Provide guidance on seasonal preparation and monitoring of plant health indicators during the dormant winter period to ensure vigorous growth in the upcoming season.
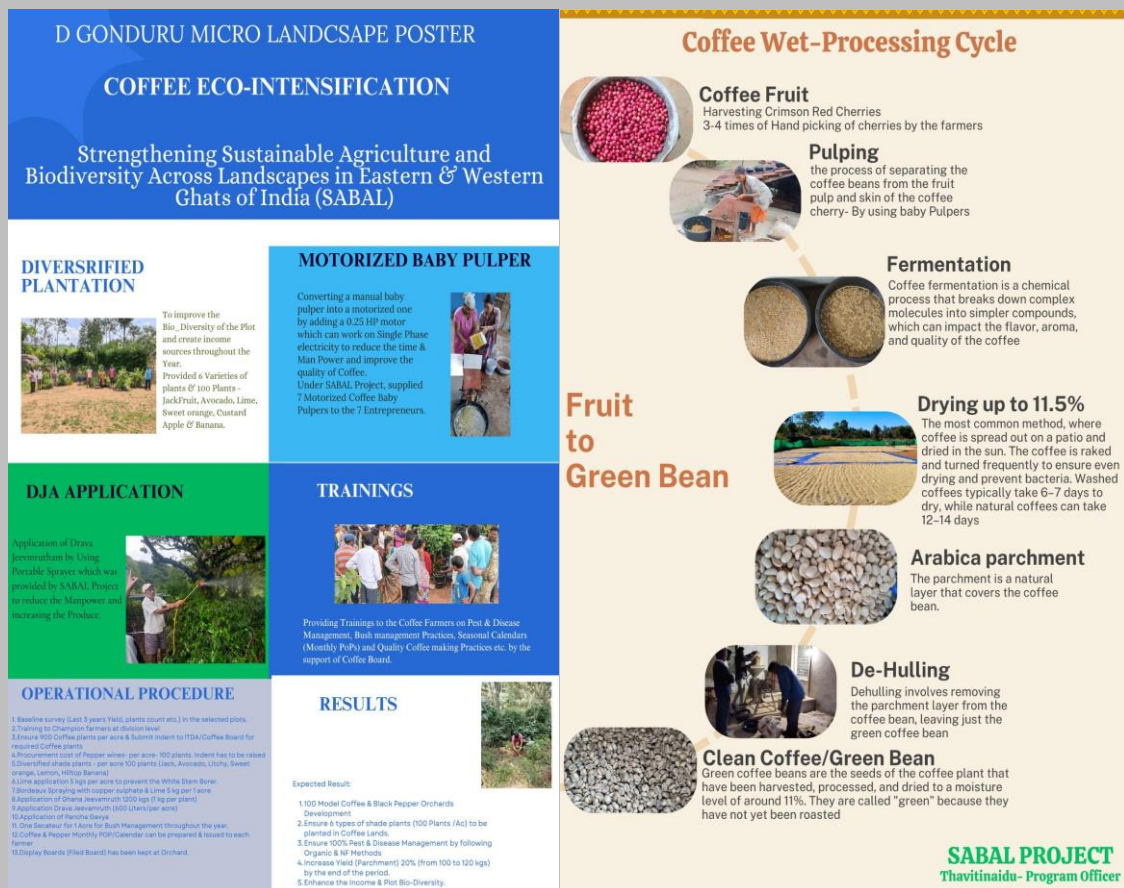- Marketing is the key part to get more income comparatively, emphasized the farmers in this way also.

At Rachapalli Village

At Borramamidi Village

Activities Undertaken in Eco-Intensification Model

Coffee Eco-Intensification Module

Convergence:

By taking the support of Coffee Board, RySS team, Technoserve, Horticulture Department as convergence, Implemented the FFS in Coffee Eco-Intensification Model.

Conclusion:

By achieving the core objectives, FFS can contribute to improved livelihoods, increased food security, and sustainable agricultural development.

FFS will be useful while aiming into increasing the productivity as well as Income of the farmer.

SABAL is organizing the Farmer Field School to track the farm status as well farmer opinions in executing the Package of Practices as per the Coffee manual. We are hoping that the Production and Farmer income will be increased and Plot Diversity also been emphasized.

Thank You