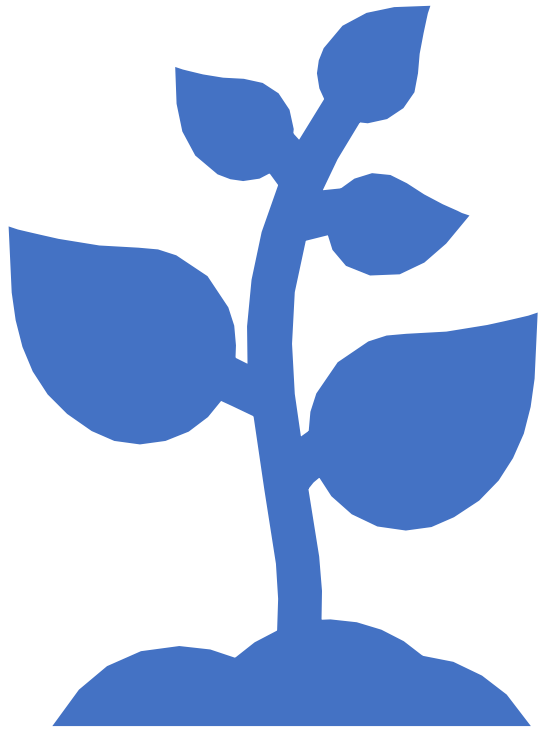




Study on Farm based Livelihood intervention in Nagri block, Ranchi Jharkhand

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Research Objectives

- To explain the various means of livelihood activities of tribal communities and to understand different interventions in agriculture and livestock rearing around area of tribal communities in Nagri block of Ranchi District.
 - To list out current challenges and gaps in the livelihood interventions in agriculture and livestock interventions
-



Research Methodology

Study area: Nagri
Block, Ranchi

Materials and Methods

- Sample size: 40 SHG Members(one month)/two villages
- Duration of study: three months
- Sampling :Systematic random sampling
- Primary data: Focus group discussion, community meeting and personal interview
- Secondary data: Books, journals and government statistics reports



Findings: Profile of Villages

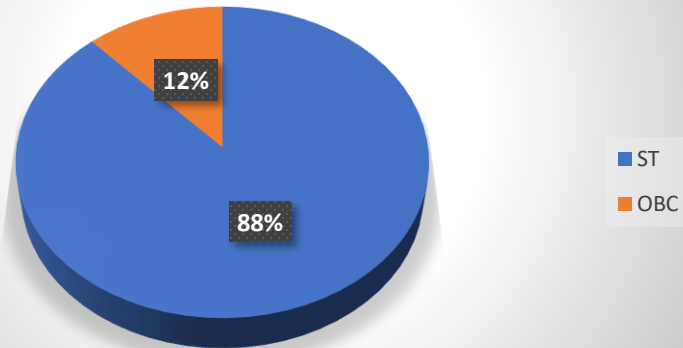
S.No	Details	Kesaro village	Naro village
1.	Household	276	658
2.	Population	1574	3264
3.	Geographical Area in Hectares	262.07	173.05
4.	Male	817	1649
5.	Female	757	1615
6.	Children with age (0-6)	202	480
7.	Sex Ratio	927	979
8.	Literacy Rate	72.96%	80.10%
9.	Scheduled Tribe	401	702

Profile of the Respondents

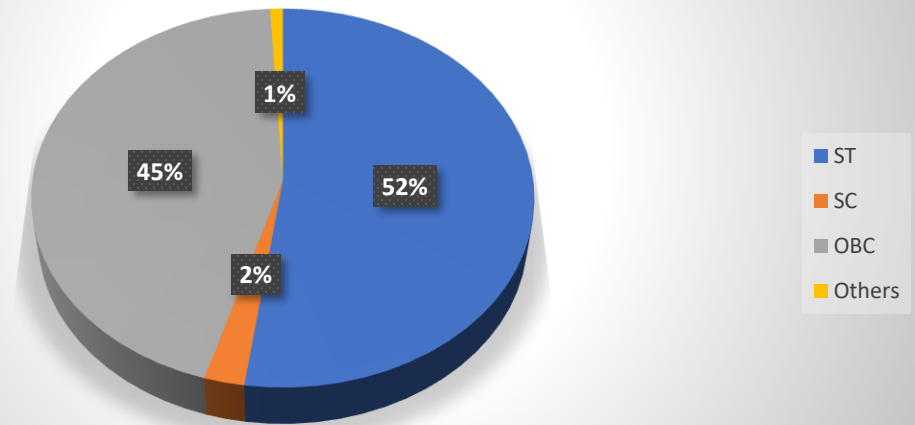
Age in years	Percentage
between 25 and 40	63%
between 40 and 55	33%
over 55	5%

Caste Distribution

Caste Distribution among SHG members in village Kesaro



Caste Distribution among SHG members in village Naro

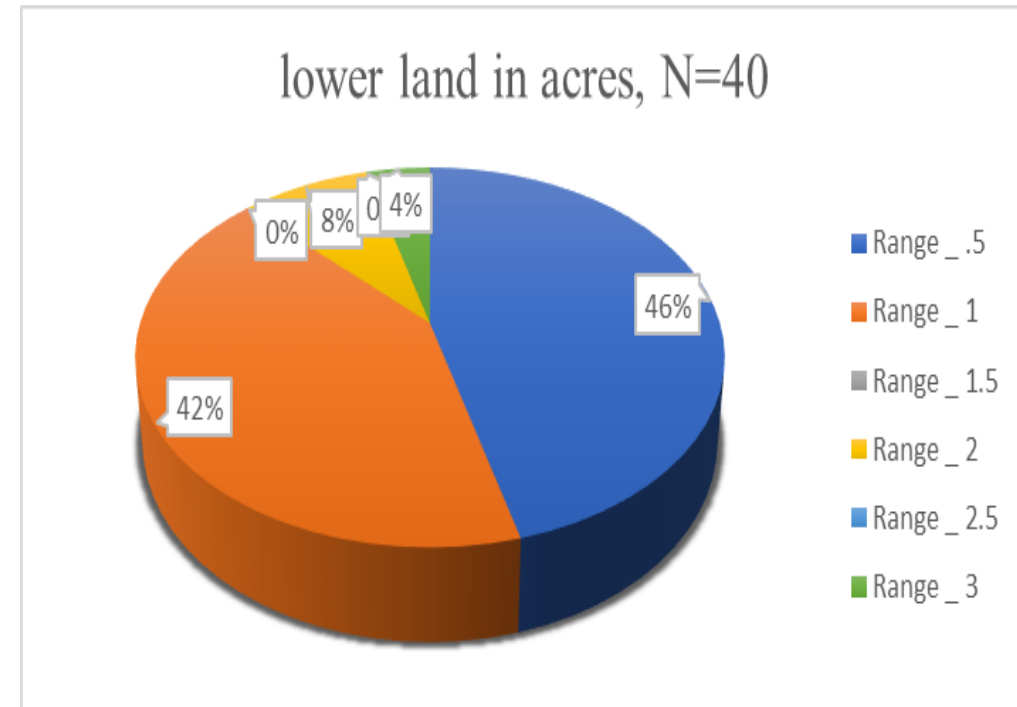
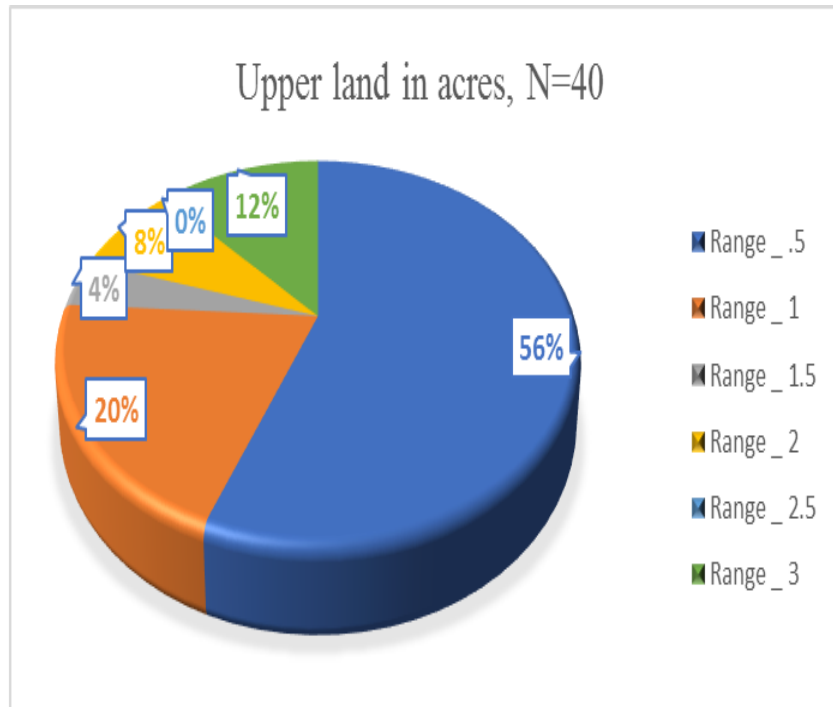


Income Generating Activities of Women SHG Farmers



Source of Income	Percentage of SHG members
Agriculture	80%
Agriculture +Livestock	62.5%
Agriculture + Farm labor	35%
Non-Farm labor+ Livestock	50%
Small shops	2.5%

Distribution of Agricultural land in Target respondents



Agricultural Production methods used by SHG women

	Agriculture activity		Percentage of Women
1.	Traditional Preparation	Bichda	60%
2.	Nursery bed Preparation by Tray method		20%
3.	Implementing Micro Drip Irrigation		12.5%
4.	Vermi Composting		25%

Traditional method of Nursery



Nursery bed by tray method

Micro Drip Irrigation



Agriculture equipment and irrigation methods used by SHG women

	Percentage of SHG women
Tractor	80%
Buffaloes, Ox	20%
Well	48%
Tube well or boring	12%



Market for agriculture produces of SHG women

- Nearby Local Nagri market for selling Produce
- Selling at comparatively low price
- Only Held at Wednesday and Friday

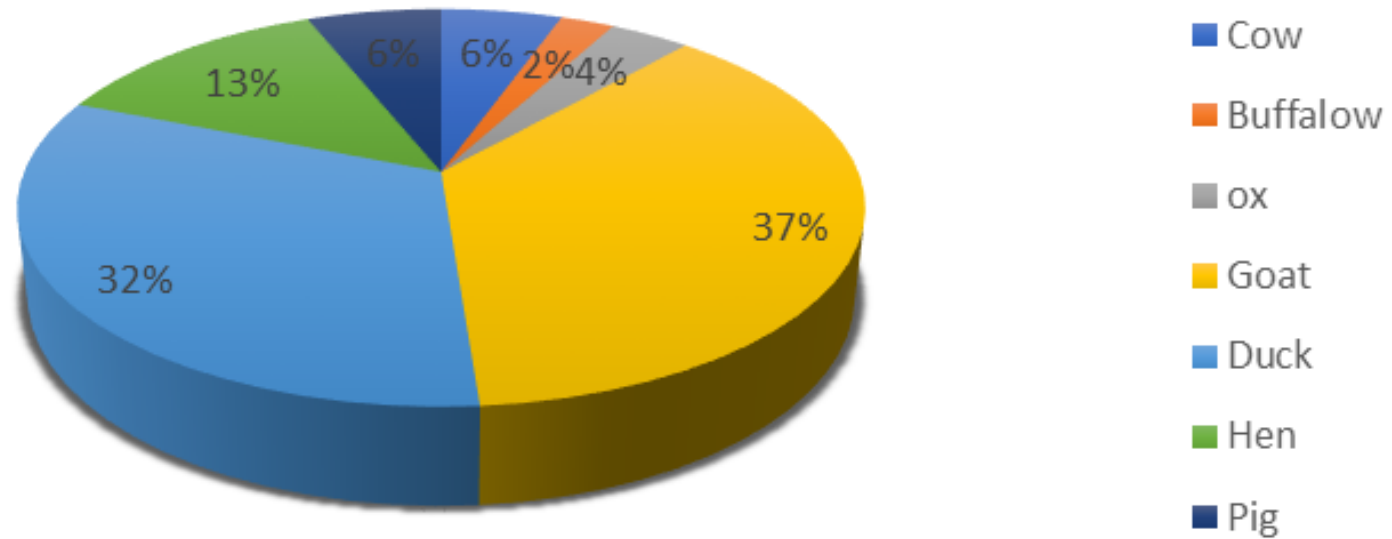


Income of SHG women from the livelihood activity



LIVELIHOOD ACTIVITY	PERCENTAGE OF SHG WOMEN	INCOME IN RS PER MONTH
Agriculture	80%	5000-25000
Farm Labor	25%	Up to 5000
Bamboo Crafting	5%	500-1000
Non- Farm Labor	50%	5000-20000
Small Shops	2.5%	5000-10000

Percentage of livestock kept by SHG memebers,N=40



Income generation from Livestock

S.no	Animal	General Size of livestock kept by SHG women	Income from animal in Rs.
1.	Goat	4	6000-12000 per animal
2.	Duck	6	300 per unit
3.	Desi Hen	3	400 per unit
4.	Pig	5	10000-15000 per animal



**Agriculture
intervention: Ajeevika Krishi
Sakhi**



Roles and responsibility of AKM:



Influencing people to adopt sustainable practices by demonstration of all the best practices.



Working with the poor households to develop a production plan to each household



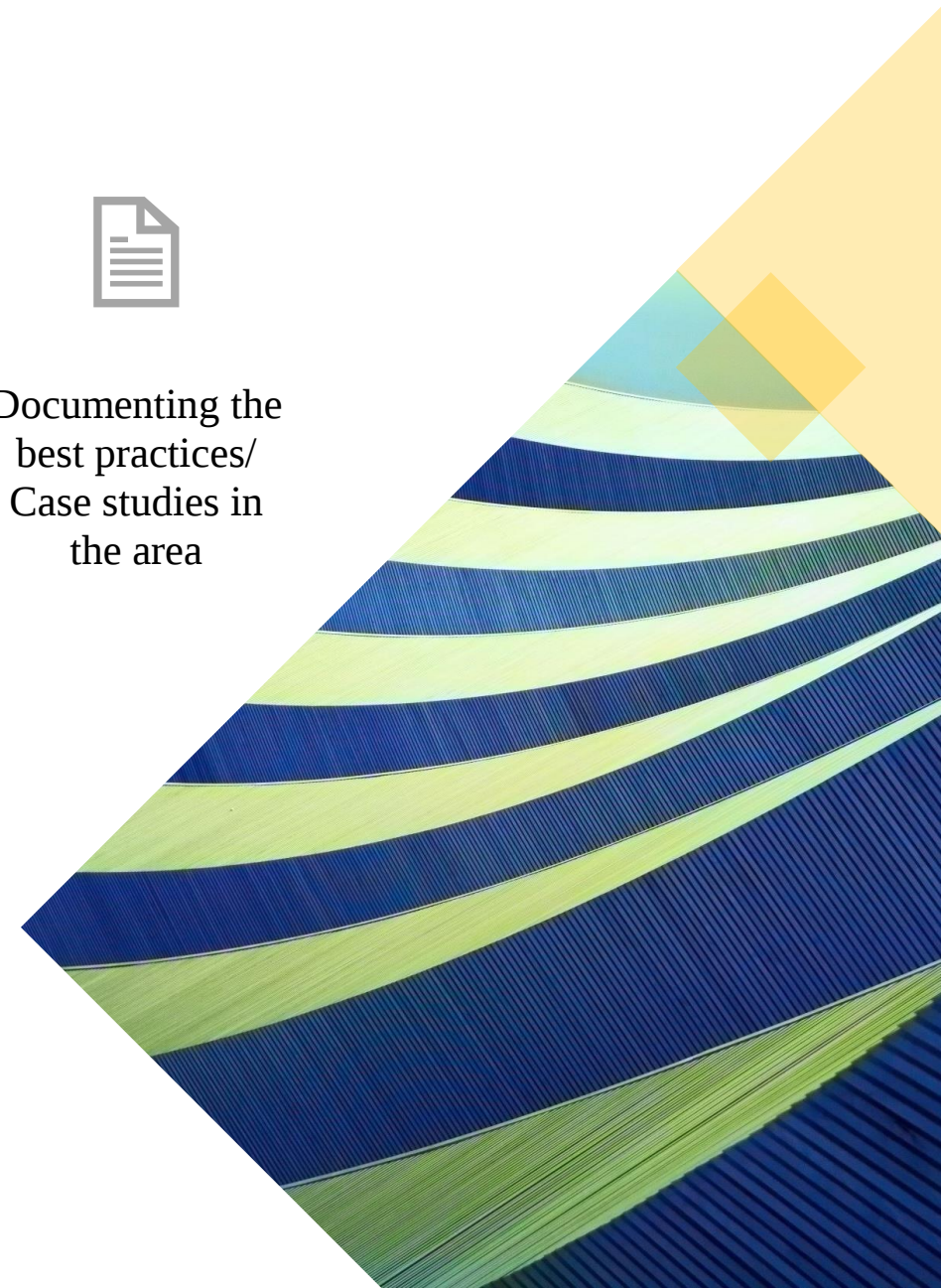
Regular visit to the farms of poor households for landholding and troubleshooting



Monitoring the adoption of the different practices and provide feedback or escalate the issues to the appropriate levels in a time bound manner



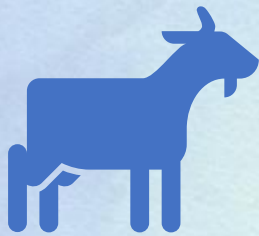
Documenting the best practices/ Case studies in the area





Livestock interventions : Ajeevika Pashu Sakhi

Roles and responsibility of APS:



Demonstrates and disseminates knowledge on feedings of the goat and hen to the farmers

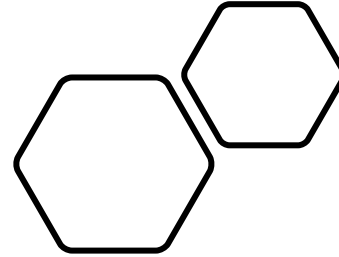


Regular visit to the farms of poor households for checking symptoms for disease

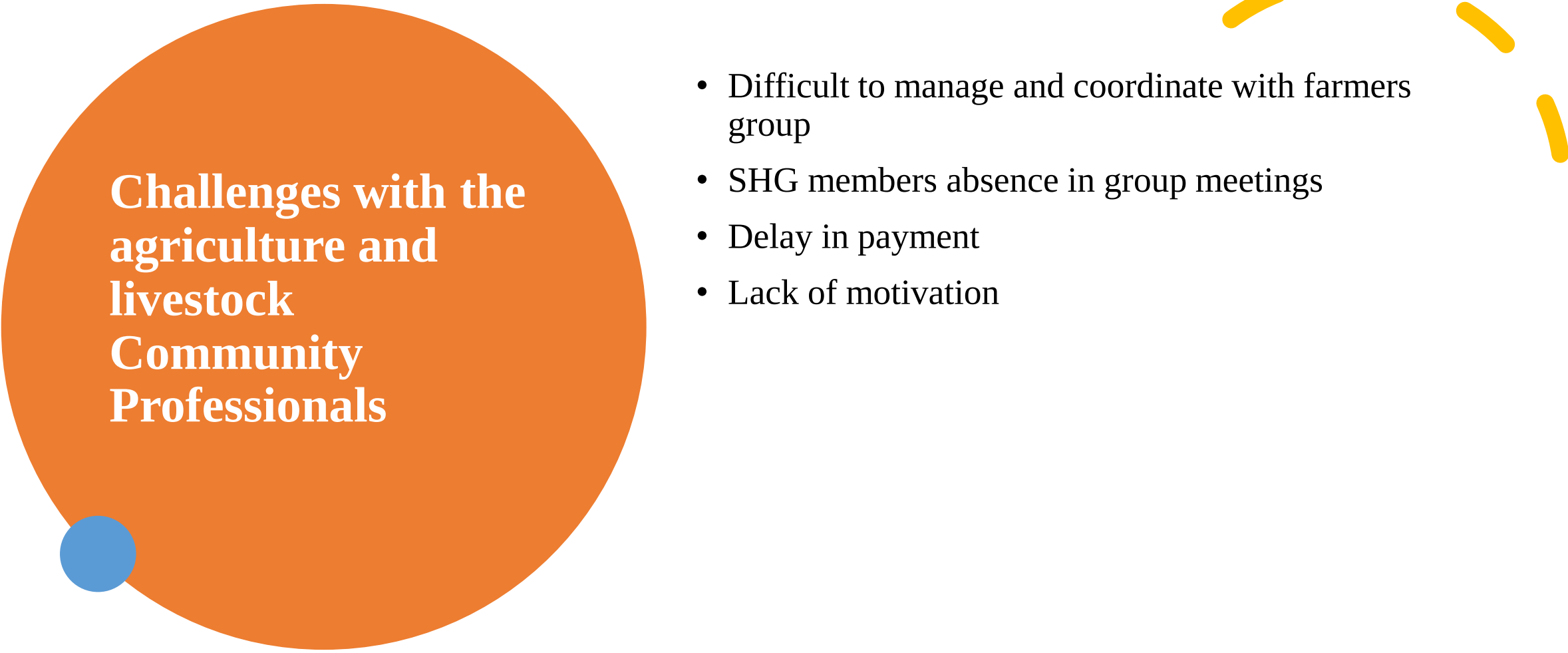


Vaccination and deworming

Major Challenges in Agriculture and livestock



- **Market value chain**
- **Climate change**
- **Traditional method in farming**
- **Grazing land and proper management**
- **lack of awareness about the schemes and programmes**
- **Timely Vaccination and deworming**



Challenges with the agriculture and livestock Community Professionals

- Difficult to manage and coordinate with farmers group
- SHG members absence in group meetings
- Delay in payment
- Lack of motivation

Gaps and reasons



Heterogenous distribution of population/large Geographical area



Farmers busy in their daily livelihood activities



Internal problem within the group



Difficulties in handling smartphone and updating monthly details about the agriculture activities/ livestock details



Recommendations

- Livelihood tracking software
- Monthly review of community professional
- Strengthening SHG weekly meeting
- Capacity building of Community Professional

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