

Agriculture and Farmers Welfare

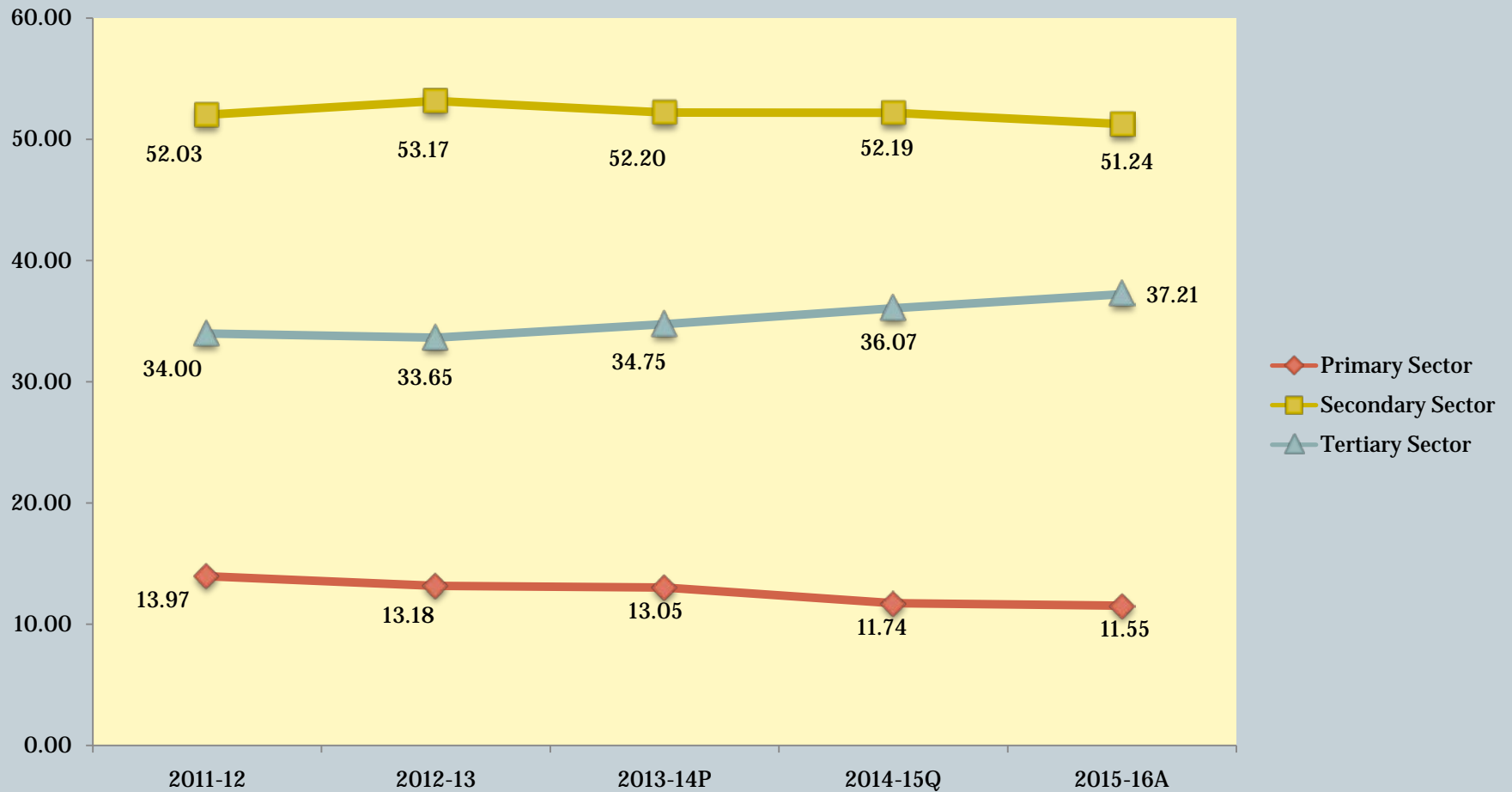


COCSSO
19-20 JANUARY 2017
DES UTTARAKHAND

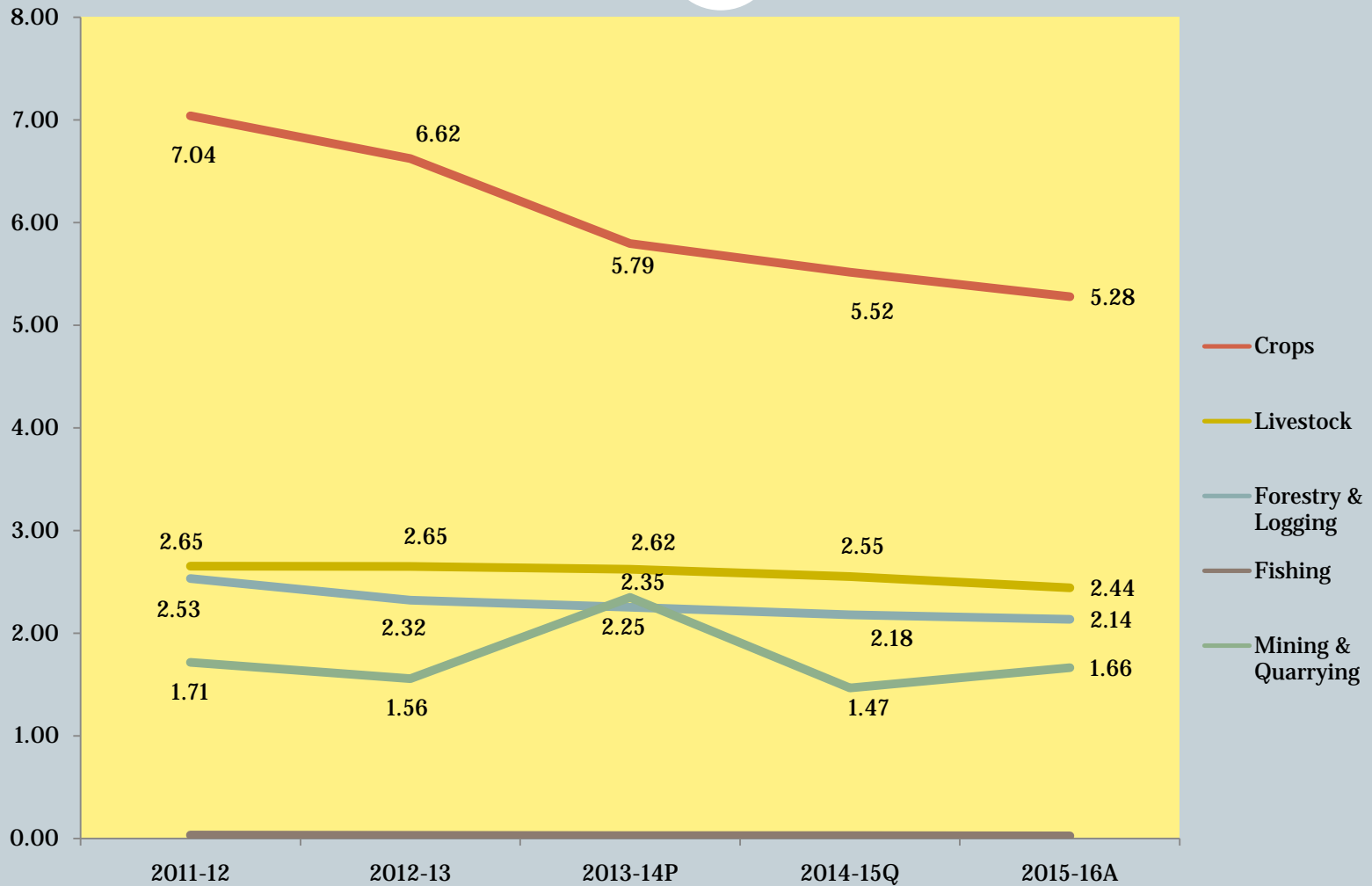
Agriculture and Allied Economy

- In the State, Farming is the principal source of income of about 70% Agricultural farmers;
- Due to lack of industrialization the Development of hills is primarily linked to the development of agriculture and its allied activities and services sector also;
- State per capita income is 151219 in the year 2015-16;
- Per capita Net State domestic Product(income) in Agriculture and allied sectors is about 14000;
- Big Gap

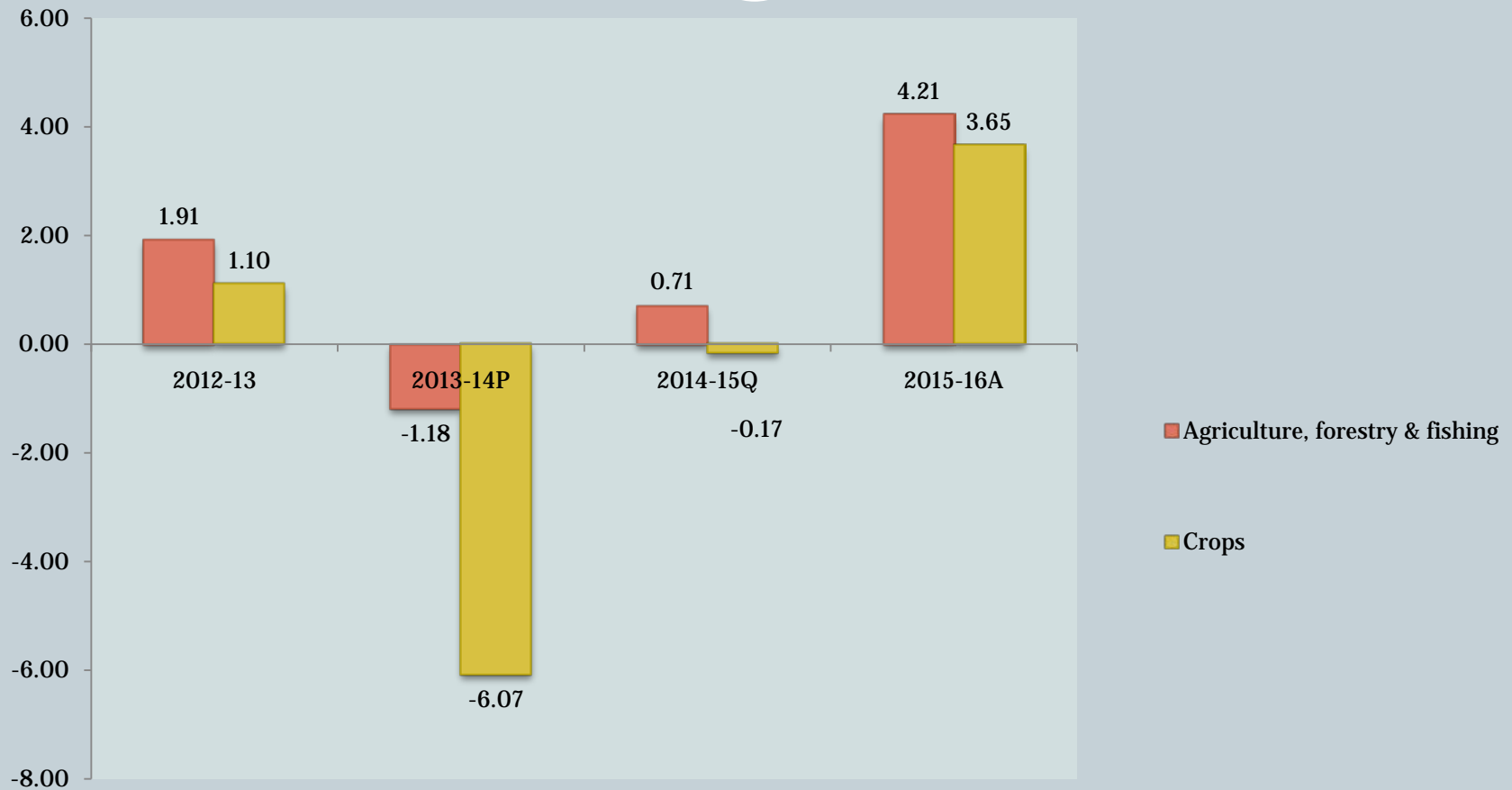
Sector wise Share in State Economy



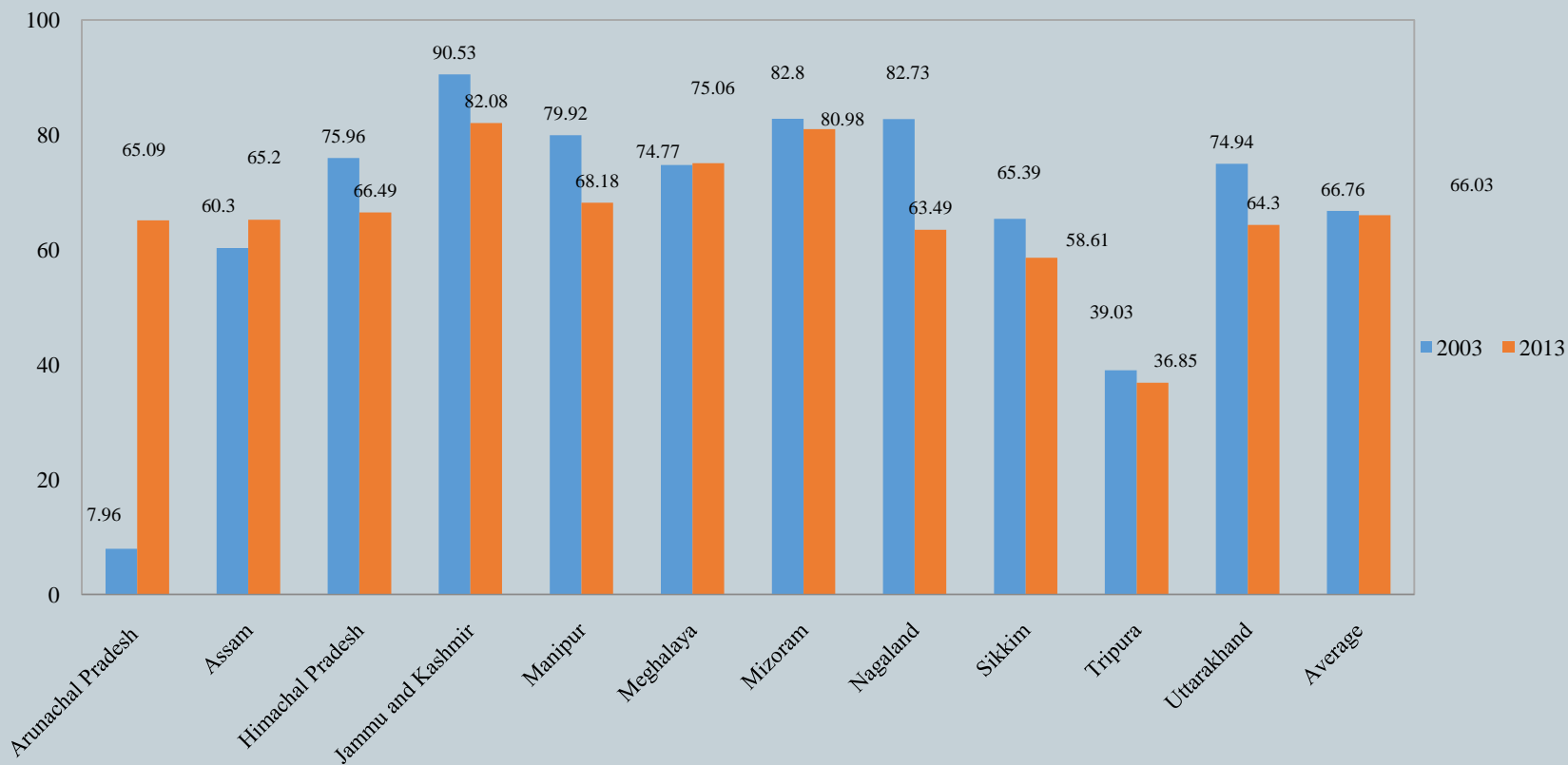
Component wise share in Primary Sector



Crops Growth against Agri & Allied



Agricultural Households as a Percentage of Rural Households of Eleven Hill States: 2003 and 2013



Some Facts and Figures

- The land holdings in hill area are small and scattered therefore more hardship and less return;
- Total cropped area and net sown area have also been decreased by 1.83 % and 1.02% in the year 2012 against the year 2003;
- Farmers HH with outstanding debt is significantly high(38.27%) in the year 2013 in comparison to the year 2003(7.2%);
- Poor productivity, lack of suitable marketing chain or low marketable surplus might be the reasons;
- According to NSS 70th round(2013) Net Receipt from cultivation per HH in the State was Rs 2531 which is Rs 550 less than the country average(Rs.3081);
- In 2003(After 3 year of the inception of the State) it was Rs 1953 which was more than two times as compared to the country(Rs 969);
- It shows people have chosen the other livelihood option also;

Data Gap in Agriculture Sector



- State is divided into hill and plain region.
- 20% area covered annually under Girdawari in the hill area(11 districts about 80% area covered);
- Big data gap on annual estimation of area, production and productivity in the hill agriculture;
- In hill region there is no set up of agriculture commodities price data collection(Whole sale and retails)
- GSDP and other economic estimation are based on agricultural commodities prices of plain area;
- Horticulture survey (Area, Production and productivity) is completely on eye estimation basis;

Efforts for Bridging the data gap



- Under XIIIth FC Grant some initiatives are taken by DES and Agriculture department to bridging the data gap up to some extent;
- Earlier for production estimation Crop cutting experiments were conducted for five major crops(Wheat,Rice, Ragi,Sawan and barley);
- Under XIIIth FC, on the pilot basis district wise 10-15 major and minor crops were identified and production data gathered;
- It was a successful pilot and State is likely to conduct such survey in future;
- Similarly the cost of cultivation study for Rice, wheat, Sugarcane, Ragi ,Sawan and Lentil were taken;
- Now Department of agriculture is producing more accurate estimate;
- Still lot of surveys and studies are required for bridging the data gap; particularly to make the mountain biased pro farmers policies; like Status of conventional- non conventional crops, Status of horticulture crops, Sustainable agriculture adapting the climate change.....
- For quick, accurate and timeliness data the agriculture department is providing the hand handle devices to the data collectors to collect the agriculture Statistics.

Schemes run by Govt for farmers welfare



- For development of Agriculture and allied activities the State Government has taken some initiatives:
- For less hardship and more return the One Village-One Farm scheme has been taken as pilot project;(Results are very much satisfactory);
- Promotion of local crops(Bonus declared for the production of Ragi,sawan and other local mountain based crops)
- Support Price for local crops and horticulture crops is also impressive.
- Crop Insurance Scheme;
- Organic finger millet production program;
- Pardhan mantri krishi sinchai yojnaa;
- Krishi unnati yojnaa;
- National Food Security mission;
- National mission on Sustainable agriculture

Contd....

- **Rastriya krishi vikas yojana;**
- **National Mission on micro irrigation;**
- **Mukhya Mantri Sanrarakshit Udyan vikash yojna;**
- **Mission for development of walnut and other nut fruits;**
- **Mission Apple Scheme;**
- **Establishment of Vermi compost unit;**
- **Scheme of Change polythene of green house;**
- **Scheme of fruit plant plantation(Mera Ped – Mera Dhan);**
- **State food processing Scheme ;**
- **Cluster Development for Medicinal and aromatic Plants;**



Success Story: Crop Insurance and One Village- One Farm

Crop Insurance A Success Status



One Village-One Farm

- Due to small and scattered holdings the hill agriculture is commercially not viable;
- More hardship and less returns;
- Good model of integrated farming and convergence;
- Scheme is successful for small villages(20-50 HH)
- Under One village-One Farm project the villagers are formed a co-operative/SHGs;
- The scheme is demand based and primarily focused on integrated farming covers vegetables growing, fruit plant plantation, poultry development, Fish production, Mushroom production, Nursery Development, Polyhouse etc.

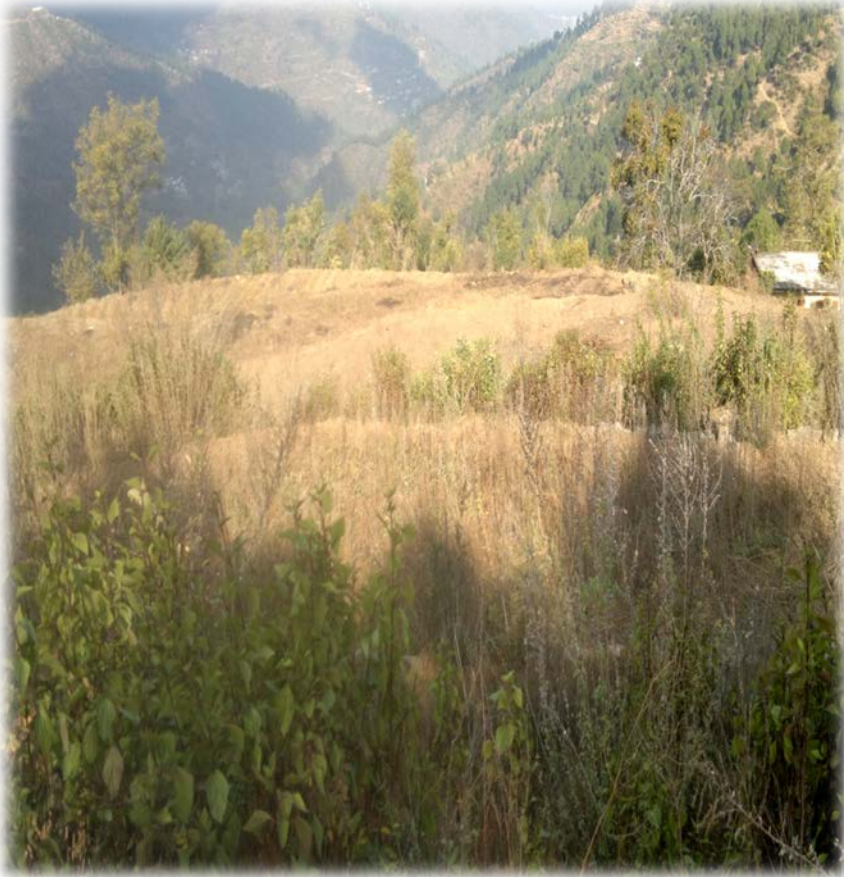
- Villagers consolidated the all small holdings into one farm with share distribution of individual;
- All are working together;
- MANAREGA if required is helpful for development of their plots;
- Initially the line departments are providing the technical and financial assistance particularly the seed availability, Tools & Instruments, irrigation, polyhouses etc;
- Input cost from Govt side is between 12-15 lakh;
- Output/Income with in a year between 2,50,000-4,00,000 after their consumption;(15-20 family covered);
- Output/Income is likely to increase as more people and more plots has to cover.

1. Members of Gauri Women SHG

Smt. Reka Devi (Koshadhyaksh)



Land Before Activity



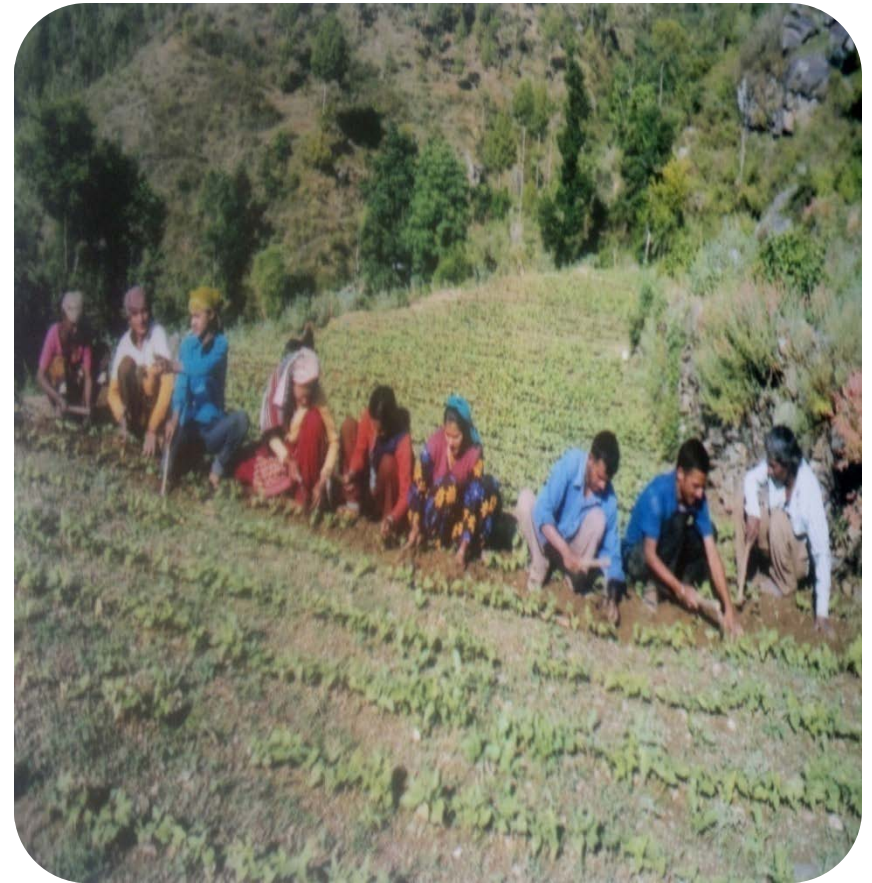
Development of Barren Land



Arrangement of Irrigation System



SHG Members working in field for Vegetable production



Cabbage grown in field



cultivated Potato is ready for Local Market



**Convergence from
Line**

**Departments/other
organizations**

A. Minor Irrigation Department

**Expansion
of
Irrigation
Facilities**



Minor Irrigation Department provides 02 nos of water storage tanks, constructed 1000 mtr. Canal and put down 500 mtr. 1.25 inches iron pipe line from main source of water (Gadera)

B. Agriculture Department

Agriculture Department Provides

1. Power Weedier.
2. 500 mtr Rubber pipe.
3. Vermi Compost Pit 12 nos. & earthworms.
4. Wodden Vermi Pit 05 nos.
5. Water Lifting Pump.



C. World Vision India NGO

World Vision NGO Provides 03 no of Poly Houses



D. Fisheries Department

Fisheries Department provides seeds and technical know how to SHG members.





Thank You