



Training Project : Capacity Building for Women in Dairy Farming Sector of Uttarakhand



Project Period : January 2022 – September 2022

Place : College of Veterinary & Animal Sciences, GBPUA&T, Pantnagar
District U S Nagar (Uttarakhand)

Funding Agency: National Commission for Women, New Delhi

Budget Sanctioned : Rs. 34,40,000.00

Budget Released : Rs. 17,20,000.00 (50%)

Budget Utilised : Rs. 17,20,000.00 (100%)

Project Leaders: 1. **Dr. S. C. Tripathi, Professor & Head**
Department of Vety. & AH Extension Education, CVASc.

2. **Dr. P. Prabhakaran, Professor & Head**
Department of Livestock Products Technology, CVASc.

3. **Dr. Anshu Rahal, Associate Professor**
Department of Animal Nutrition, CVASc.

Achievement : Registered women trained and empowered: **310 numbers**
Total women empowered and trained : **450 numbers**

Duration of each training: 05 days

Objectives :

1. Skill upgradation of women livestock producers towards livestock management and milk products development,

2. Organize livestock management cum entrepreneurial trainings for women livestock producers,
3. To disseminate proven Animal Husbandry practices among livestock producers,
4. To suggest ways to sustain livelihood securities through livestock sector.

1. Block and village wise participation of livestock producers in capacity building training.

| Sl. No. | Block | Villages | Dates of Training | Women Self Help Group Associated | Women Trained |
|---------|-----------------------|--|-------------------------|--|---------------|
| 1. | Kiccha | Jawahar Nagar, Sahdaura, areas | 28.04.2022 – 02.05.2022 | Samajik Vikash Sansthan, Kiccha | 31 |
| 2. | Dineshpur / Gaddarpur | Dineshpur area, Narainpur Kota, Jainagar | 13.05.2022 – 17.05.2022 | Sakhi Foundation, Rudrapur | 31 |
| 3. | Kotabagh | Kaptanganj, Bhatlani, Kaladungi, areas | 24.05.2022 – 28.05.2022 | Kastkar Vikash Samiti, Kotabagh, Nainital | 31 |
| 4. | Kiccha | Shantipuri, Jawaharnagar | 10.06.2022 – 14.06.2022 | Samajik Vikash Sansthan, Kiccha | 31 |
| 5. | Kiccha - Rudrapur | Bari-Bara area | 02.08.2022 – 06.05.2022 | Samajik Vikash Sansthan, Kiccha | 31 |
| 6. | Sitarganj | Kalyanpur, Babanpuri | 08.08.2022 – 13.08.2022 | Samajik Vikash Sansthan, Kiccha | 31 |
| 7. | Dineshpur / Gaddarpur | | 19.08.2022 – 23.08.2022 | Sakhi Foundation, Rudrapur | 31 |
| 8. | Bhimtal | Dogra, Bhujiahat | 24.08.2022 – 28.08.2022 | Ujjawala Self Help Group, Bhimtal Nainital | 31 |
| 9. | Bhimtal | Dolmaar/ Bujiaghat | 09.09.2022 – 13.09.2022 | Naina Devi Self Help Group, Bhimtal Nainital | 31 |
| 10. | Haldwani | Fattabangar, Arjunpur | 21.09.2022 – 25.09.2022 | Ekta Self Help Group, Haldwani, Nainital | 31 |
| | | | | Total | 310 |

In these products making capacity building trainings a total of 310 registered women livestock producers have been trained. Besides, many other women were interested and participated in training and thus number increased to 450 women beneficiaries. The village/ block wise capacity building training in livestock products making revealed that majority of women were not aware about;

- i. National Commission for Women and its functions,
- ii. How to approach various service departments (vet. college) for their problems,
- iii. Marketable products making and enhancing keeping quality at local level,
- iv. Not aware about process of Kulfi Making,
- v. How to make thick curd as demanded in the local market,
- vi. How to prepare soft Chhena/ paneer and accordingly the products,
- vii. Butter oil preparation,
- viii. Utilization of milk by-products,
- ix. Why ice crystals formed in homemade ice-cream,

- x. How to increase keeping quality of Peda as well as Lal Peda making,
- xi. Fat and SNF testing process in milk to get better price in the market,
- xii. Silage making for better utilization and enhancing the digestibility of feeds and fodder,
- xiii. Timely heat detection and accordingly Artificial Insemination,
- xiv. Care and management of sick animals,
- xv. About various external and internal parasites of dairy animals,
- xvi. Need of Deworming and deworming schedule,
- xvii. Quality green fodders of the area and their optimum utilization methods,
- xviii. Cost calculation and cost minimization in dairy production.

After training women appreciated for the knowledge they gained.

2. Faecal Samples Tested:

During 10 trainings 280 samples were examined. Over 70% samples were found positive for liver fluke mainly *Fasciola gigantica* and also round worms. As appraised, the condition of animals was poor in terms of growth, production level, anorexia, repeat breeding, infertility, sterility, alopecia, and others. It was perhaps due to heavy load of parasites in some of the animals and thus poor availability of nutrition, lack of essential minerals in feeds and fodder as well as un-balanced ration. Farmers were given required dewormers, mineral mixture and other suggestive measures to be followed regularly for the better health and production of animals.

Livestock producers were asked about routine health care and management adopted by them. It was noted that frequent veterinary medical aid is not available at village level. More over producers first put animals on indigenous treatment followed by veterinary advice. It is mainly due to the poor and delayed veterinary health services. Producers were not well aware about purpose and impact of feeding Complete Feed Block and Urea Molasses Mineral Blocks in production and managing reproductive problems.

3. Glimpses of Trainings

Training-1 Women Empowerment (Date: 28.04.2022 to 02.05.2022)



Village- Rajpura, Shahadora, Kichcha Distt.-Uddham Singh Nagar

Training-2 Women Empowerment (Date: 13.08.2022 to 17.08.2022)



Village- Dineshpur, Gadarpur, Kichcha Distt.-Uddham Singh Nagar

Training-3 Women Empowerment (Date: 24.05.2022 to 28.05.2022)



Village- Kaptanganj, Bhatlani,, Gintigaon (Kotabagh) Distt.-Nainital

Training-9 for Woman Empowerment (Date: 09-13.08.2022)



Village- Suryajala,Ranibagh(Bhimtal) Distt.-Nainital

5. Social Justice/ empowerment

It is training and capacity building equality that have been achieved by providing a fair practical training and distribution of resources and helping people to achieve their goals. The women farmer beneficiaries have been adequately enriched practically in products making and thus capacity building in livestock production. It is expected that by soon few farmers will start to prepare milk products to sale at small-small tea/ retail shops. It may further be encouraged by selected meetings and goesthies to be organized with NGOs concerned.

6. Awareness increased:

The awareness increased in terms of discussion with technical persons, raising their problems and seeking solutions. Farmers are willing to participate in training and adopting the technologies as suggested. They are convinced on activities; to keep animal clean, clean milk production, regular deworming, no wastage of fodder and others. Farmers are willing to pay for quality extension services if provided.



Urea Molasses Mineral Blocks



Complete Feed Blocks

7. Activities initiated

The discussion with livestock producers initiated interest of producers in number of activities that may be adopted for remote solution of problem and minimizing the cost of expenditure as well as time. These are;

- 1. Kisan Call Centre: Linking farmer producers through toll free number of KCC- 18001801551:**
Farmers were unaware with this important service being run to solve the problems of farmers. They were apprised and practically demonstrated how to use the service to rectify their quarries with concerned scientists.
- 2. Mobile Seva with Technical Staff:** Under the service farmers have been given a directory of selected resource persons carrying their mobile numbers. They may discuss their problems with the scientist concerned. It was informed that the livestock producers will first apprise the village name followed by problems. The problem will be solved/ suggestion would be given and also it will be noted for record. The timings for such interaction normally should be between **4-5pm**. However in emergency they may call at any time. Scientists concerned have given their consent for such activity.

3. **Fixed day interaction:** Under the training it was discussed and agreed that a day and specific time be fixed to discuss their route-in animal care and management related issues with scientists. All the livestock producers agreed to the concept. It is expected that slowly and slowly more producers will be benefitted by the activity.

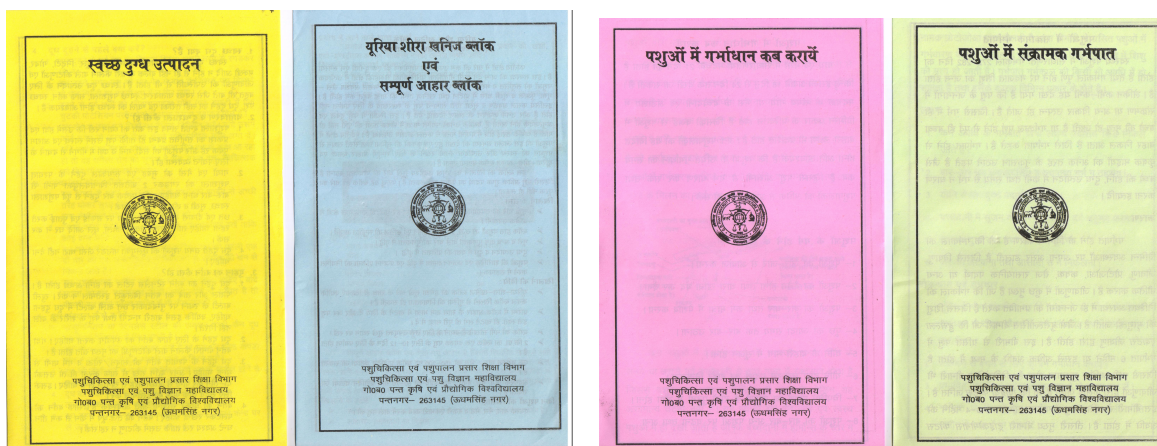
8. Inputs Distributed:

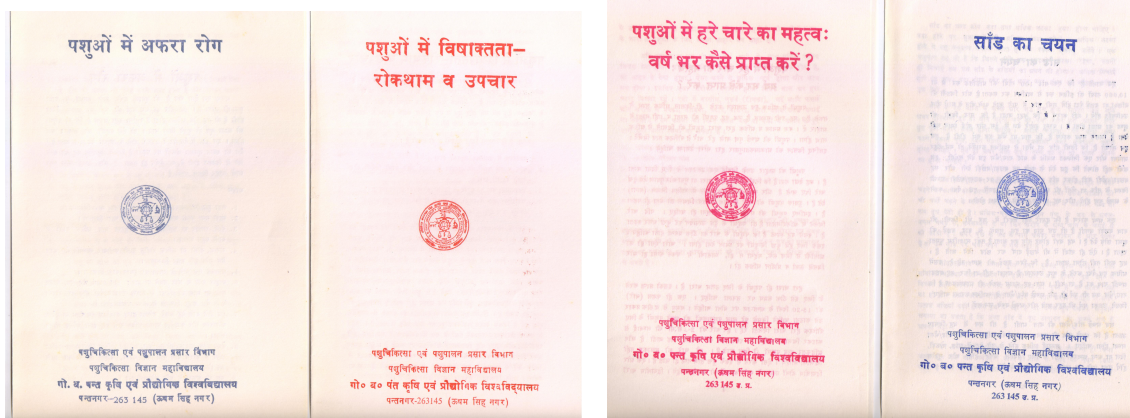
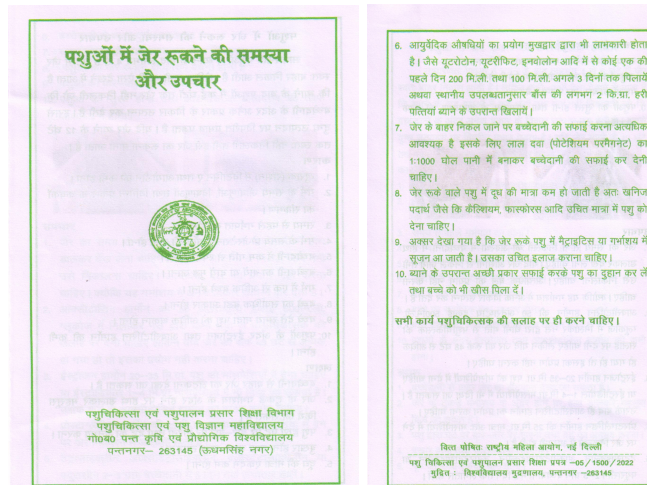
To motivate farmers for regular testing of internal worms and proper feeding of animals to minimize nutrient deficiency all the registered trainees at the end of training were given inputs in terms of required dewormers, mineral mixture, manger Tubs/ milk cans, etc. Livestock producers also desired to provide additional knowledge on minimization of infertility cases to increase productivity. They were assured for more emphasis during further trainings.

9. Literature Developed and Distributed:

For enhancing the knowledge of trainees, following folders with the financial support of National Commission for Women have been developed. The folders were distributed to all trainees and others for wide awareness regarding the problem and solution. The financial support of National Commission for Women (NCW) has duly been acknowledged.

1. Clean Milk Production
2. Urea Molasses Mineral Block & Complete Feed Block
3. Breeding Time in Animals
4. Contagious Abortion in Animals
5. Retained Placenta in Animals
6. Care and Management of Pregnant Animals
7. Bloat in Animals
8. Feed Toxicity in Animals and Treatment
9. Importance of Green Fodder and Round the Year Supply
10. Selection of Breeding Bulls





10 . Media Support:

i: Pant Prasar Sandesh: The University Quarterly News Letter of Extension Education



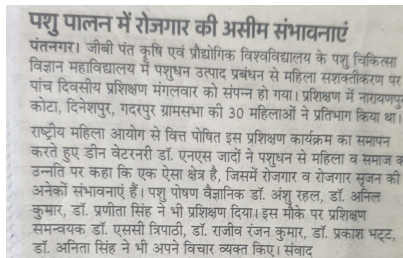
April – June 2022

July – September 2022

ii: In News papers:



पशुधन उत्पाद प्रबंधन पर पांच दिनी प्रशिक्षण



तकनीकी ज्ञान से आएगा बदलाव



महिलाओं को विरोध के चलते

महिलाओं ने सीखा गुलाब जामुन बनाना

भीमताल (नैनीताल)। राष्ट्रीय महिला आयोग की ओर से ग्राम पंचायत दोगड़ा के भुजियाघाट में 40 महिलाओं को स्वरोजगार आधारित प्रशिक्षण दिया गया। महिला सशक्तिकरण प्रशिक्षण विभाग पंतनगर के विशेषज्ञों ने पनीर, दही, गुलाब जामुन, खोया, पेड़ा और मट्ठा बनाना सिखाया। समाज सेविका रीतू बिष्ट ने बताया कि प्रशिक्षण का मुख्य उद्देश्य ग्रामीण महिलाओं को स्वरोजगार से जोड़ना है। प्रशिक्षण में मास्टर ट्रेनर डॉ. पनीता सिंह, एसएस त्रिपाठी, डॉ. राजीव रंजन, डॉ. प्रभाकरन आदि रहे। (संवाद)



दोगड़ा की महिलाओं ने सीखा पनीर व खोया बनाना

भीमताल। ब्लॉक भीमताल के दोगड़ा में राष्ट्रीय महिला आयोग दिल्ली के सहयोग से महिला सशक्तिकरण प्रशिक्षण विभाग पंतनगर ने क्षेत्र की महिलाओं को स्वरोजगार से जोड़ने व उन्हें आत्मनिर्भर बनाने के लिए प्रशिक्षण कार्यक्रम आयोजित किया। महिलाओं को पनीर बनाना, दही जमाना, खोया कि पेड़ा, गुलाब जामुन बनाना आदि का प्रशिक्षण दिया गया। कार्यक्रम की मुख्य अतिथि समाजसेवी रीतू बिष्ट ने कहा महिलाएँ स्वरोजगार अपनाकर आत्मनिर्भर बन सकती हैं। उन्होंने महिलाओं से प्रशिक्षण में लिए गये ज्ञान का उपयोग स्वरोजगार स्थापित कर आय अर्जित करने पर जोर दिया। यहाँ मास्टर ट्रेनर डॉ. पी सिंह, डॉ. एस त्रिपाठी, डॉ. राजीव रंजन व डॉ. प्रभाकरन आदि मौजूद रहे।

मौजूद रहे। जिसमें डाउन ग्रुड बतन क नदश दश। बठक म मुख्य रूप भाग्य



पंत विधि में शक्तिवर को कार्यक्रम से मौजूद पशु विज्ञानी एवं प्रशिक्षणार्थी • जगतन

साइलेज बनाने का दिया प्रशिक्षण

संवाद सहयोगी, पंतनगर : जीवो पंत विधि के पशु चिकित्सा एवं पशुपालन महाविद्यालय में महिलाओं को साइलेज बनाने का प्रशिक्षण दिया गया। इसके साथ-साथ पशुओं की प्रमुख बीमारियों को रोकथाम एवं निदान एवं नवजात गोवंश के प्रबंधन, दुग्ध उत्पादों की मांग आपूर्ति प्रबंधन, पशुपालकों के लिए सरकार की विभिन्न कार्ययोजनाएँ, उत्पाद क्रय-विक्रय की प्रक्रिया, डेयरी व्यवसाय में लागत नियंत्रण एवं लेखा प्रबंधन प्रक्रिया पर विस्तृत चर्चा करके पशुपालकों को जागरूक किया गया। पशुविज्ञान महाविद्यालय में तीन दिवसीय

प्रशिक्षण कार्यक्रम के अंतिम दिन महिला समूहों को जागरूक किया गया। डा. सर्वेश त्रिपाठी ने पशुधन उत्पादों को बनाने की प्रक्रिया से उत्साहित होकर समूहों को नियमित तौर पर जानकारी दिया जाने का प्रस्ताव रखा। प्रशिक्षण समन्वयक डा. एससी त्रिपाठी ने डिजिटल बाजार व्यवस्था पर किसानों को जागरूक किया। प्रशिक्षण कार्यक्रम में डा. राजीव रंजन कुमार, डा. पी प्रभाकरन, डा. अनिता सिंह, डा. शिव प्रसाद ने अपने विचार रखे। इस मौके पर तुलसी देवी, हंसा जीना, रेखा कोरा, ममता जीना, नमता बिष्ट आदि मौजूद थीं।

11. Outcome of the Women Empowerment Training Project:

Uttarakhand hill region is characterized by small and fragmented land holdings, low input-low output production system, poor productivity of livestock, low risk bearing capacity of farmers and others. But with the local wisdom the livestock producers have maintained and sustained the livestock even in difficult conditions. In their endeavour livestock are active partner. They prepare dairy products for self consumption as well as for local sale. However they are lacking in preparation of quality durable marketable products.

Under the project 310 women dairy producers have directly been trained and over 140 women obtained trainings but could not be registered. Thus a total of around 450 women were trained under the project. Feedback from the livestock producers indicated that the Women Capacity Building project has given adequate training and knowledge on various aspects of animal management, demand driven products preparation along with enhanced shelf life and keeping quality of various dairy products. It would be helpful to the dairy producers to establish their small scale sale units at village/ farm gate and to generate income. In this direction numbers of trained farmers of Kotabagh area started products making and also sold during various occasions. Livestock producers of Bhujiaighat and Sitarganj area are consulting the college for their difficulties and further knowledge. They are being assisted as and when required.