

Training Report for Aromatic Plant Cultivation and Processing Conducted by the Institute of Natural Resources as Part of the Megh-Aroma Mission

Background: The Institute of Natural Resources, as part of its capacity-building efforts under the Megh-Aroma Mission, organized a practical training program titled 'Hands-on Training on Cultivation and Primary Processing of Aromatic Plants.' The purpose of this training is to equip regular farmers and nodal farmers with practical skills. The Megh-Aroma Mission, which aims to benefit the state by promoting aromatic plant cultivation, recognizes the importance of enhancing the abilities of those involved in this sector. The training was organized at the cluster where Field Processing Unit is located.

Objective: The main objective of this training is to empower farmers and nodal farmers with essential skills in post-harvesting and the processing of aromatic plants to produce essential oils. Furthermore, it imparts knowledge and expertise in the cultivation and harvesting of these plants, as well as proper storage of essential oils. The training also includes topics related to marketing, storage, and post-harvest management.

1. **Post-Harvest Processing:** A significant focus of the training is on the post-harvest phase, where participants are taught the crucial techniques for processing aromatic plants once they have been harvested. This includes extracting valuable essential oils that are in demand in the market.
2. **Cultivation and Harvesting Skills:** Participants also learn about cultivating and harvesting aromatic plants, including selecting the right plant species and understanding their growth requirements. Proper harvesting is stressed because it directly affects the quality of raw materials used for essential oil production.
3. **Storage Expertise:** The training includes guidance on proper storage methods for essential oils, which is essential for maintaining their quality and shelf life.

Participants are trained in best practices for preserving the integrity of these valuable products.

4. **Post-Harvest Management:** Throughout the training, there is an emphasis on post-harvest management, which involves understanding how to handle aromatic plants and essential oils after harvesting and processing. Effective post-harvest management helps prevent spoilage and ensures the highest quality end products.
5. **Diverse Curriculum:** The training curriculum is comprehensive, covering various aspects of aromatic plant cultivation and essential oil production. Additionally, it includes modules on marketing, where participants learn about market dynamics, pricing strategies, and avenues for selling their products.

1. NARWAN:

Date	District	Block	Villages Attended	No of Farmers attended
02-06-2023	EJH	Saipung	Narwan, Mynthlu, Samasi, longkaluh, Mookympad, Lelad, Lumshyrmit, Chamcham, Suchendana, Wapung, Jalliah, Ladwahwapung, Pynurkba, Lumbyrto, Rangad, Lumshken, Mutong,	60



2. UMKREM

Date	District	Block	Villages Attended	No of Farmers attended
17-06-2023	EWKH	Mawthadraishan	Khliehmawlieh, Lawbyrtun, Nongsynrieh, Rangmaw, Marshiong, Mawphanlur, Mawthawpdah, Pharmahiong, Sylleibah	30



3. BYRWA

Date	District	Block	Villages Attended	No of Farmers attended
20-06-2023	RB	Umsning	Mawlong, Nongthymmai, Umdap Dumu, Umtham, Umdohbyrthih, Mawkohngei, Umkrem, Nongshilong, Byrwa, Sohliya	38



4. PYNDENGLITHA

Date	District	Block	Villages Attended	No of Farmers attended
30-06-2023	EKH	Mawphlang	Nongspung, Pyndenglitha, Byrwa, Mawreng, Mawbeh, Kukon	29



5. IADWAHWAPUNG

Date	District	Block	Villages Attended	No of Farmers attended
01-08-2023	EJH	Khliehriat	Lumshyrmit, Chamcham, Suchendana, Wapung, Jalliah, Ladwahwapung, Pynurkba, Lumbyrto, Rangad, Lumshken, Mutong,	42



6. KHLIEHRANGNGAH

Date	District	Block	Villages Attended	No of Farmers attended
04-08-2023	WJH	Laskein	Khliehrangnah, Mynkrem, Saphai	40



7. NONGRIANGKA

Date	District	Block	Villages Attended	No of Farmers attended
09-08-2023	WKH	Mawshynrut	Riangka, Riangba, Mawkhap, Nongweilong, Mawkhap, Langumshing	40



8. CHONGPOTGRE

Date	District	Block	Villages Attended	No of Farmers attended
30-08-2023	SWGH	Rirapara	Matalagre, Okkapara, Chongpotgre, Dangkre, Naragre, Kidapara, Rongchengre, Boldakgre, Goragre, Hajongpara, Goragre, Hajongpara, Dirapara, Arangapara, Chipra	Chongpotgre



9. SANCHONGGRE

Date	District	Block	Villages Attended	No of Farmers attended
31-08-2023	WGH	Rongram	Watregre, Sanchonggre, Rangwalkamgre,	50



Training Outcome:

- The training program has proven to be highly successful in effectively imparting essential knowledge and skills to the participating farmers. Through comprehensive instruction and hands-on guidance, the farmers have acquired a solid foundation in various aspects of aromatic plant cultivation, nursery management, and essential oil processing. As a result, they have gained confidence in their abilities to venture into the cultivation of aromatic plants independently.
- This newfound confidence is reflected in the farmers' eagerness and readiness to apply the acquired knowledge and skills in the real-world setting of planting aromatic plants. They have demonstrated a clear understanding of the cultivation process, from the initial planting stages to the nurturing of nursery-raised plants, all the way through to the advanced processes involved in essential oil extraction. With this knowledge firmly in place, they are poised to move forward in the planting of aromatic plants with a sense of assurance and competence.
- Overall, the training program has effectively empowered the farmers, equipping them not only with theoretical knowledge but also with practical skills that have instilled the confidence necessary to embark on successful

Submitted by:

Bioresource Team
Institute of Natural Resources, Meghalaya
Shalom Building
Lower Lachumiere
Shillong-793001