

**A REPORT
ON
INTERNAL STUDY TOUR PROGRAMME
AT
COLLEGE OF AGRICULTURE, CAU,
IROISHEMBA, IMPHAL.**

B.Sc. 4TH SEMESTER (GENERIC) 2024 (MAY) NEP

Submitted to

**DEPARTMENT OF BOTANY
LILONG HAOREIBI COLLEGE
LILONG, GOVT. OF MANIPUR
2024**

**A REPORT
ON
INTERNAL STUDY TOUR PROGRAMME
AT
COLLEGE OF AGRICULTURE, CAU,
IROISHEMBA, IMPHAL.**

Submitted by

Name: *Md. Mustabur*.....

Standard: *4th Sem*.....

Exam Roll No. *22102560*.....

Regd. No. *2200430796*..... of *2022*.....

Submitted to

**DEPARTMENT OF BOTANY
LILONG HAOREIBI COLLEGE
LILONG, GOVT. OF MANIPUR
2024**

examined



TO WHOM IT MAY CONCERN

This to certify that.....Md. Mustabur.....bearing
Exam Roll No.22102560.....Regd.No. 2200430796 of
...2022..... Has completed the field report of B.Sc. 4th Semester (Generic),
Botany during 2024 to fulfill the syllabus prescribed by the Manipur University.

He /She bears a good moral character and has research minds

Teacher-in-charge

(Dr. Md. Riyajuddin Khan)

Associate Professor

(Dr. O. Noyon Singh)

Associate Professor and

Head, Deptt. of Botany

(Dr. Angom Kikim Devi)

Assistant Professor

(Dr. Reshma Khatoon)

Assistant Professor

ACKNOWLEDGEMENT

I would like to take this opportunity to express my heartfelt gratitude to the Principal of Lilong Haoreibi College for generously providing financial assistance that made our Botanical Field Study Tour possible. This support was crucial in enabling us to explore and learn about the diverse plant life in our surroundings.

I am equally appreciative of the faculty members from the Department of Botany, whose guidance and encouragement were invaluable as I worked on preparing this field report. Their expertise and insights helped enrich my understanding of botany and enhance the quality of my work.

I would also like to extend my sincere thanks to the teachers who dedicated their time and effort to assist us in the identification of the various plant specimens we collected during our studies. Their knowledge and enthusiasm for botany inspired us all.

Moreover, I cannot overlook the tremendous support provided by the College of Agriculture authorities at the study site. Their willingness to share their knowledge and insights about the various agriculture research activities greatly enriched our experience and deepened our appreciation for Agriculture and allied sciences.

Lastly, I am deeply indebted to my fellow students for their unwavering cooperation and camaraderie during the fieldwork. Our teamwork and shared passion for botanical studies made this experience not only educational but also enjoyable and memorable.

TOUR DIARY

The study tour program for the B.Sc. 4th Semester (Generic), Botany Department, Lilong Haoreibi College took place on 5th December, 2024. It was organized under the guidance of Dr. O. Noyon Singh, Dr. Md. Riyajuddin Khan (Associate Professor), Dr. A. Kikim Devi, and Dr. Reshma Khatoon (Assistant Professor) from the Botany Department. This tour was designed in line with the new education policy, aiming to enhance the knowledge of Botany for all students enrolled in the B.Sc. 4th semester (Generic) course.

The tour took place at the College of Agriculture, Central Agricultural University, located in Iroishemba, Imphal. Our group consisted of five faculty members and fifty students. We departed from the college at approximately 10:00 a.m. and arrived at our destination by 11:00 a.m. and had lunch at the college canteen.

Post-lunch, we had the privilege of engaging with an expert from the College of Agriculture, who provided an in-depth explanation of seed testing and its pivotal role in sustainable agriculture. The discussion encompassed the various stages of the seed testing process, emphasizing its importance in ensuring seed quality and viability before planting. During a hands-on demonstration, we observed a range of specialized tools and equipment employed in seed testing, such as moisture meters, seed counters, and germination trays. The expert elucidated how each instrument plays a crucial role in assessing seed health, purity, and potential yield, underlining the significance of these tests in boosting crop production and safeguarding food security.

We returned to the college by approximately 4:00 p.m. The tour was a success, thanks to the guidance provided by our teachers and the cooperation among students. The successful completion of the tour is a testament to the teamwork displayed throughout the experience.

AIMS AND OBJECTIVES OF THE STUDY TOUR

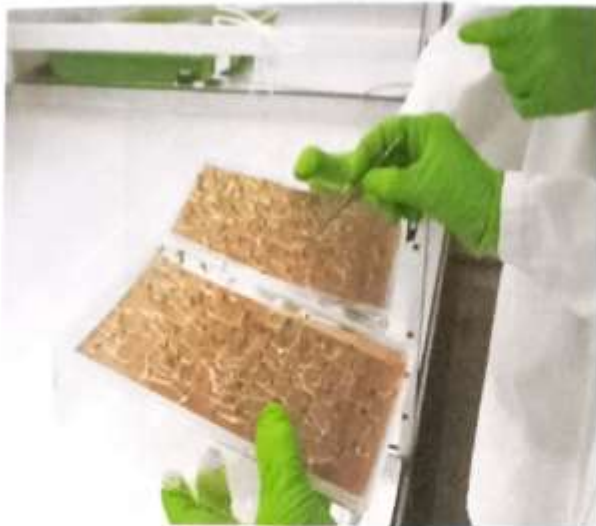
1. To understand the significance of seed testing.
2. To explore the various methods of seed testing.
3. To examine the different tools and equipment used in seed testing and processing.
4. To gain a comprehensive understanding of the significance of seed testing in ensuring the quality and viability of seeds for agricultural planting.
5. To analyze the various seed testing methods, including physical, physiological, and genetic assessments, and their respective roles in determining seed performance.
6. To observe and learn about the diverse range of tools and equipment utilized in seed testing and processing, including seed counters, moisture meters, and germination trays, and their functions in facilitating accurate testing procedures.

CONCLUSION

The seed testing study tour provided valuable insights into the essential procedures and methodologies involved in seed quality assessment. Participants had the opportunity to observe a variety of testing techniques, including germination tests, purity analysis, and moisture content evaluation.

The tour emphasized the importance of adhering to international standards and protocols to ensure reliable results. Interactions with experts in the field enriched our understanding of the significance of seed quality in agricultural productivity and sustainability.

Moreover, the networking opportunities offered during the tour fostered collaborations among participants, enabling the exchange of best practices and innovations in seed testing. Overall, this study tour was instrumental in enhancing our knowledge and skills, which we can apply to improve seed testing processes in our respective organizations.



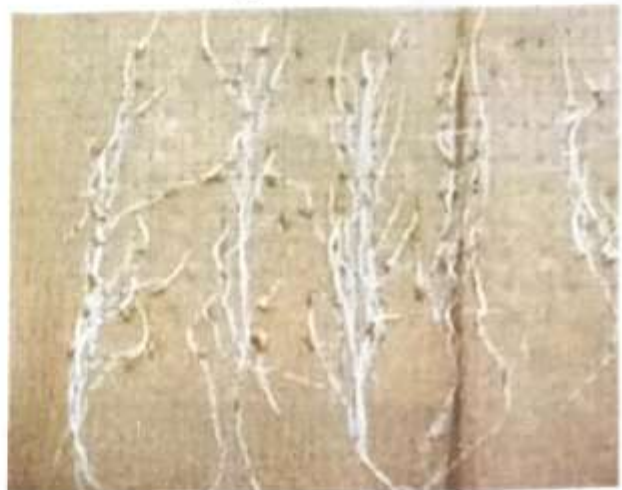
Germination tray



Purity work board



Germination paper



Seed germinated on paper



Soil divider



Seed blower



An action photograph taken while explaining the importance of seed testing.



A vibrant photograph illustrating an expert's explanation of seed testing tools and equipment.