

# FARMERS' FIELD VISIT FOR PLANT PATHOLOGY STUDY AND INTERACTION

**Agricultural Field Visit for Plant Disease Studies and farmer's Interaction by PG Semester 2 and Semester 4 students for three consecutive academic years (2021-22, 2022-23, 2023-24)**



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## A BRIEF SUMMARY OFFIELD REPORT

### Introduction:

A field visit was conducted for plant pathological study and local farmers' interaction. The objective was to assess crop health, study disease patterns and symptoms and promote knowledge exchange with farmers.

Academic session/Dates	Number of student participants	Semester II	Semester IV Special Paper Plant pathology And Virology	Place
2021-22 4.03.2022	26	22	4	Sarpadihi, Nilganj Santoshpur road, Amdanga, North 24 Parganas.
2022-23 28.02.2023	24	19	5	
2023-24 15.04.2024	20	18	2	

1. **Faculty:** Dr. Anuradha Bandopadhyay (SACT), Dept.of Botany, Barasat Government College
2. **Farmers:**
  - Mehenaj Uddin, vegetable grower and seller
  - Fakir, rice and vegetable grower

### Activities and Observations

#### 1. Crop Assessment and disease study.

- Different seasonal vegetable crops like tomato, potato, brinjal, cauliflower, chillies, broad beans, bottle gourd, pointed gourd etc. and rice were studied in the field.
- Symptoms like early blight and late blight, powdery and downy mildews, leaf spots and flecks, wilts, rusts, anthracnose, blasts, yellow mosaic virus, leaf curl virus and phytoplasma were found dominating in the field.
- Rice blast lesions and brown spot lesions were prevalent in low-lying areas due to excess moisture.
- Tomato plants were highly affected by symptoms of early blight, late blight and *Fusarium* Wilt due to untimely intermittent heavy rain in winter.

#### 2. InteractiveSessions:

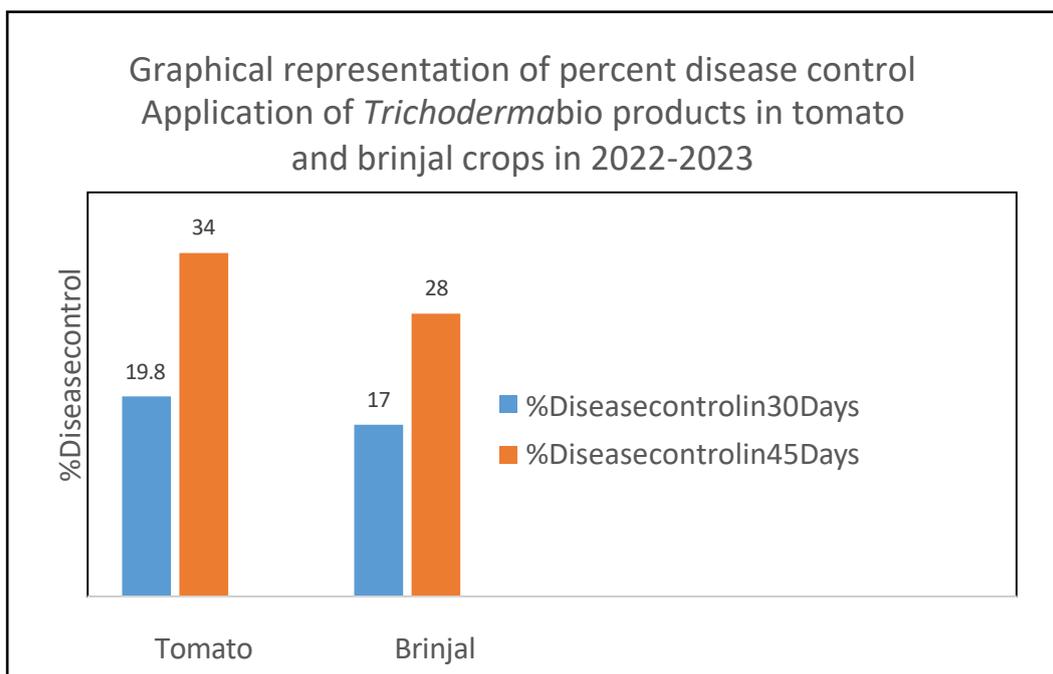
- Dr.Bandopadhyay explained disease symptoms and management strategies to farmers.
- Farmers shared their experiences and traditional practices.

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- Tomato fields were affected most which could not be controlled by traditional application of fungicides like mancozeb.
- Integrated management by organic and chemical pesticides were advised.

### Conclusion

Through the field study, students gained knowledge about various disease symptoms of crops, hands on training on disease identification through symptomological and app based study. The field visit also facilitated valuable interactions between students, teacher and farmers. The students got familiar with practical problems of disease incidence on agricultural field crops. It also highlighted the need for tailored solutions, knowledge dissemination, and sustainable practices for farmers.



## FARMERS' FIELD VISIT FOR PLANT PATHOLOGY STUDY AND INTERACTION

### STUDENTS ATTENDANCE 2021-2022

#### 1. M.Sc. SEM-II (22students)

Sl. No	Student Name	RollNo
1	Tanushree Saha	21/0015
2	Anishban Kundu	21/0023
3	Dishani Sarkar	21/0004
4	Su Akshita Nushaika	21/0029
5	Jesmin Parveen	21/0007
6	Ankita Nath	21/0039
7	Nikkita Das	21/0010
8	Sneha Das	21/0012
9	Debasish Biswas	21/0026
10	Sayantani Mondal	21/0021
11	Keya Ghosh	21/0018
12	Shreya Das	21/1022
13	Prayan Malty	21/0032
14	Sudipam Ray	21/0030
15	Souravendu Mondal	
16	Megha Das Choudhury	21/0035
17	Talaya Karmakar	21/0030
18	Poonna Kumari Tiwari	21/0028
19	Riya Ghosh	20
20	Ushmita Roy	38
21	Sahon Mondal	11
22	Megha Mondal	27
23	Soumen Mondal	14
24		
25	Barna Saha	25

#### 2. M.Sc, SEM-IV(4students)

Sl. No	Student Name	RollNo
1	Narmata Sarkan	0011
2	Arijit Das	0027
3	Dipika Dey	0030
4	Pinki Paul	0015
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### STUDENTS ATTENDANCE 2022-2023

#### 1. M.Sc. SEM-II (19Students)

Sl. No	Student Name	STUDENT SIGNATURE (ROLLNO.)
1	NARISA SHAHID	Nafisa Shaikh (11)
2	SAYANTIKA ROY	Sayantika Roy (21)
3	ROHIT DAS	Rohit Das (14)
4	CHANDRIMA RAY	Chandrima Ray (5)
5	GOURAB SHOME	Gourab Shome (6)
6	DIPANJANA DAS	Dipanjana Das (33)
7	KUMAR MITRA	Kumar Mitra (26)
8	ANANYA HAZRA	Ananya Hazra (1)
9	TRINA PAUL	Trina Paul (25)
10	PRIYANKA BANIK	Priyanka Banik (19)
11	RUBINA PARVIN	Rubina Parvin (16)
12	Antita Das	Antita Das (32)
13	Tshika Karmakar	Tshika Karmakar (35)
14	PRATYUSA DEB	Pratyusa Deb (30)
15	SULHARJITA ROY	Sulharjita Roy (23)
16	TRISHANA HAJRA	Trishana Hajra (27)
17	SAPIRASHI MUKHERJEE	Sapirashi Mukherjee (20)
18	Rounak Halder	Rounak Halder (15)
19		Mousha Sarkar

#### 2.M.Sc. SEM-IV (5 Students)

Sl. No	Student's Name	Student's Signature (ROLLNO.)
1	KEYA GHOSH	Keya Ghosh BSc/BOT/21/0018
2	SAYANTANI MONDAL	Sayantani Mondal BSc/BOT/21/0021
3	ANJALI MONDAL	Anjali Mondal BSc/BOT/21/0029
4	BARNA SAHA BSc/BOT/21/0025	Barna Saha
5	JESMIN PARVEEN BSc/BOT/21/0001	Jesmin Parveen
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**STUDENTS ATTENDANCE 2022-2023**

**M.Sc. SEM-II (18 Students)**

Dept: BOTANY M.Sc.		
Semester: 2ND		Paper Name:
Sl No.	Student's Name	Student's Signature
1	Sonali Bachhav (20)	Sonali Bachhav (20)
2	Sneha Bhattacharyya (19)	Sneha Bhattacharyya (19)
3	Ahanafakar (2)	Ahana Fakar (2)
4	Ahantika Das (01)	Ahantika Das (01)
5	Susmita Dutta (34)	Susmita Dutta (34)
6	Ranita Das (15)	Ranita Das (15)
7	Jyotipriya Mandal (8)	Jyotipriya Mandal (8)
8	Sudip Kongsabanik (23)	Sudip Kongsabanik (23)
9	Ribhu Podden (16)	Ribhu Podden (16)
10	Dhruba Das (6)	Dhruba Das (6)
11	Sonali Ghosh (21)	Sonali Ghosh (21)
12	Reya Patra (36)	Reya Patra (36)
13	KRISHNENDU KUNDU (32)	Krishnendu Kundu (32)
14	Nasrin Sultana (12)	Nasrin Sultana (12)
15	Mittra Kabasi (11)	Mittra Kabasi (11)
16	Puneem Saxena (14)	Puneem Saxena (14)
17	Sheeparna Sengupta (39)	Sheeparna Sengupta (39)
18	Arunab Das (30)	Arunab Das (30)

**M.Sc. SEM-IV (2 Students)**

Barasat Government College		
Dept: BOTANY M.Sc. Semester IV		
Semester: <del>2nd</del> 4th		Paper Name: Farmers field
Sl No.	Student's Name	Student's Signature / Roll No.
1	Sayanika Roy	Sayanika Roy (BGC/BOT/22/206)
2	Rohit Das	Rohit Das (BGC/BOT/22/105)
3		
4		