

Rayat Shikshan Sanstha's

D. P. BHOSALE COLLEGE KOREGAON

Department of B.Voc. (Sustainable Agriculture)

Date - 04/09/2024

Notice

All the students of B.Voc. (Sustainable Agriculture) are hereby informed that, we are conducting Guidance on Integrated Pests Management in Tomato Crop at Jihe, Katapur Tal. Koregaon Program for B.Voc. (Sustainable Agriculture) Student will Organized on 07/09/2024. All students Remain Present in College Auditorium on 10.00 am in the morning.

NKunte

HEAD

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RAYAT SHIKSHAN SANSTHA
D. P. BHOSALE COLLEGE, KOREGAON
Department of B. Voc. (Sustainable Agriculture)

Guidance on Integrated Pest Management (IPM) Practices in Tomato Crop

Objective:

To outline effective Integrated Pest Management (IPM) strategies for sustainable and eco-friendly tomato cultivation.

IPM Practices

1. Cultural Practices:

- Implement crop rotation to disrupt pest life cycles.
- Use pest-resistant tomato varieties.
- Maintain weed-free fields to reduce pest habitats.

2. Mechanical Controls:

- Deploy yellow and blue sticky traps to capture whiteflies and thrips.
- Use mulches to suppress weeds and deter soil-borne pests.
- Handpick visible pests like caterpillars when feasible.

3. Biological Controls:

- Encourage natural predators (e.g., ladybirds, parasitic wasps).
- Apply biopesticides such as *Bacillus thuringiensis* for caterpillar control.
- Utilize *Trichoderma* spp. for managing soil-borne diseases.

4. Chemical Controls (Last Resort):

- Use selective pesticides with minimal impact on beneficial organisms.
- Rotate pesticides to prevent resistance.
- Adhere to recommended dosages and pre-harvest intervals.

5. Monitoring and Early Detection:

- Conduct regular scouting for pests like whiteflies, aphids, and fruit borers.

- Act when pest populations reach economic thresholds (e.g., 5-10 whiteflies per plant).

6. Environmental Management:

- Destroy infected plant debris to prevent pest proliferation.
- Avoid over-irrigation to limit root rot and other diseases.
- Ensure proper field sanitation and equipment hygiene.

Conclusion:

Integrated Pest Management in tomato crops promotes sustainable production by reducing chemical pesticide use and preserving the environment. Consistent monitoring and adherence to IPM practices are essential for effective pest control and optimal yield.

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Guidance on Integrated Pest Management (IPM) Practices in Tomato



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Attendance Sheet

Topic/Project/Seminar: -----

Sr No	Name of Student	Class	Signature
1	Ghadge Gauri Vijay	B.VOC.III	Ghadge
2	Ghorpade Devyani Suhag	B.VOC.III	DS Ghorpade
3	Bhosale Shivraj Hemant	B.VOC.III	SBhosale
4	Bhosale gaurav ravindra	B.VOC.III	GBhosale
5	Vishal Santosh KOLE	B.VOC.II	Vishal
6	Samadhan Arun Gaikwad	B.VOC.II	Samadhan A.G.
7	Vikas Mhalappa Korape	B.VOC.II	Vikas
8	Rafik Allapur Murali	B.VOC.II	Rafik
9	Yadav Chaitanya	B.VOC.II	Yadav CH
10	Nanawase Jday Pravin	B.VOC.II	Nanawase
11	Asif Khayyum Attar	B.VOC.III	Asif
12	Sankpal Madhavi Shivram	B.VOC.III	Sankpal
13	More Shrikant Umesh	B.VOC.III	S.V. More
14	Todkar Vishakha Balu	B.VOC.III	Todkar
15	Yadav Pranav Indrajit	B.VOC.II	Yadav Pran
16	Yewale Sanket Bhausa	B.VOC.III	SB.Yewale
17	Waghmode Pramod Manohar	-n-	Prm Waghmode
18	Bhalerao Amit Vishnu	-n-	AB.Bhalerao
19	Mulani Akran Yij	B.VOC.III	Mulani An
20	Jadhav Nit Dnyanesh	B.VOC.III	Jadhav N.D.
21	Bagade Sai Rajendra	B.VOC.II	SR BAGADE
22	Mane Varbhay Vitthal	-n-	MN V.A.