

# Survey on Tomato Leaf Disease Detection Using CNN-Based Transfer Learning

*Thank you for participating in this survey. The aim of this research is to analyze and improve the detection of tomato leaf diseases using convolutional neural networks (CNN) with transfer learning. Your responses will provide valuable insights into the current practices, challenges, and expectations in this field.*

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Not shared

\* Indicates required question

1.Name

Your answer

Predicted as 'Septoria leaf spot' by the machine learning model.



Predicted as 'Early blight' by the machine learning model.



2. What is your occupation? \*

- ☐ Farmer
- ☐ Student
- ☐ Employed
- ☐ Unemployed
- ☐ Self-employed
- ☐ Retired
- ☐ Other:

3. How much experience do you have in agriculture? \*

- ☐ Beginner
- ☐ Intermediate
- ☐ Advanced



4. Do you use technology to detect plant diseases? \*

- ☐ Yes
- ☐ No

5. Which tools do you use for detecting plant diseases? \*

- ☐ Manual inspection
- ☐ Mobile apps
- ☐ Drones
- ☐ Machine learning
- ☐ Other:

6. How effective are your current methods? \*

- |                       |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1                     | 2                     | 3                     | 4                     | 5                     |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

7. Do you know about AI (artificial intelligence) in agriculture? \*

- ☐ Yes
- ☐ No



8. Do you have concerns about AI in farming? \*

- ☐ Privacy
- ☐ Data security
- ☐ Job loss
- ☐ AI errors
- ☐ No concerns

9. Should AI replace human expertise in farming? \*

- ☐ Yes, completely
- ☐ Yes, partially
- ☐ No, it should be a supplementary tool
- ☐ No, it cannot replace human expertise

10. Do you trust the predictions offered by AI in plant disease detection? \*

- ☐ Yes
- ☐ No
- ☐ Not sure

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