

🌿 SimAgro: Smart Crop Health, Yield & Disease Predictor

Use sliders or upload a leaf image to get AI-powered predictions and cobot recommendations.

🔍 Advanced Feature Settings (Optional)

Predict

Predicted Health

Good

Estimated Yield

2.55 tons/hectare

🤖 Virtual Cobot Advisor

View Recommendations

✔ All parameters look optimal. Continue regular operations.

🌱 Leaf Disease Detection

Upload a leaf image

📁 Drag and drop file here

Limit 200MB per file • JPG, JPEG, PNG

Browse files

📄 diseased-orchid-leaf-with-black-fungi-isolated-background-dying-leaf-bacterial-rot.jpg 15.8KB

×



Uploaded Leaf

🔍 Disease Prediction

Orange____Haunglongbing_(Citrus_greening) detected with 49.57% confidence.

📋 Disease Insights

⚠ Disease detected: Orange____Haunglongbing_(Citrus_greening)

Possible Cause: Bacterial disease spread by psyllid insects.

Treatment Suggestion: Remove infected trees; control psyllids.

📈 Simulation Trends

Choose variable to visualize:

Rainfall(mm)



Day	Rainfall (mm)
0	3.5
1	12.5
2	17.5
3	16.5
4	15.5
5	12.5
6	9.0
7	18.0
8	12.0
9	14.5
10	14.5
11	11.5
12	2.5
13	19.0
14	14.5
15	16.0
16	14.0
17	2.0
18	13.0
19	18.0
20	8.0
21	10.5
22	14.5
23	19.0
24	18.0
25	11.5
26	3.0
27	16.0
28	9.5
29	14.0
30	4.0
31	6.5
32	5.0
33	8.5
34	4.5
35	20.0
36	15.5
37	10.0
38	20.0
39	10.5
40	0.5
41	2.5
42	2.0
43	5.0
44	16.0
45	16.5
46	5.0
47	0.5
48	16.0
49	1.5
50	4.0
51	20.0
52	1.5
53	2.0
54	20.0
55	12.0
56	14.0
57	14.0
58	6.0
59	3.0
60	16.0

Show Raw Data

localhost:8501

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