

CNN analysis results + plots:

Found 1890 images belonging to 4 classes.

Found 471 images belonging to 4 classes.

Epoch 1/10

60/60 ————— **35s** 547ms/step – accuracy: 0.5358 – loss: 1.0517

Epoch 2/10

60/60 ————— **34s** 568ms/step – accuracy: 0.8120 – loss: 0.5015

Epoch 3/10

60/60 ————— **32s** 541ms/step – accuracy: 0.8640 – loss: 0.3792

Epoch 4/10

60/60 ————— **34s** 554ms/step – accuracy: 0.8847 – loss: 0.3400

Epoch 5/10

60/60 ————— **32s** 535ms/step – accuracy: 0.8898 – loss: 0.3069

Epoch 6/10

60/60 ————— **33s** 537ms/step – accuracy: 0.8823 – loss: 0.2937

Epoch 7/10

60/60 ————— **40s** 533ms/step – accuracy: 0.9442 – loss: 0.1827

Epoch 8/10

60/60 ————— **33s** 556ms/step – accuracy: 0.9242 – loss: 0.1971

Epoch 9/10

60/60 ————— **32s** 537ms/step – accuracy: 0.9317 – loss: 0.1844

Epoch 10/10

60/60 ————— **42s** 558ms/step – accuracy: 0.9405 – loss: 0.1801

<keras.src.callbacks.history.History at 0x7e34004cf7d0>



1/1 ————— **0s** 40ms/step

Predicted probabilities: [[1.2399347e-03 8.4059125e-01 1.5816776e-01 1.0395477e-06]]

Predicted class: 1

```
{'damaged': 0, 'old': 1, 'ripe': 2, 'unripe': 3}
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