Model initialized. Starting training...

Epoch 1/10 | Train Loss: 1.3771 Acc: 0.4201 | Val Loss: 0.8903 Acc: 0.6014 | LR: 0.000100 | Time: 56.4s

Epoch 2/10 | Train Loss: 0.7321 Acc: 0.6303 | Val Loss: 0.6381 Acc: 0.6797 | LR: 0.000100 | Time: 50.7s

Epoch 3/10 | Train Loss: 0.5711 Acc: 0.6994 | Val Loss: 0.4654 Acc: 0.7420 | LR: 0.000100 | Time: 52.9s

Epoch 4/10 | Train Loss: 0.4456 Acc: 0.7512 | Val Loss: 0.4575 Acc: 0.7420 | LR: 0.000100 | Time: 48.7s

Epoch 5/10 | Train Loss: 0.3946 Acc: 0.7753 | Val Loss: 0.4030 Acc: 0.7722 | LR: 0.000100 | Time: 48.7s

Epoch 6/10 | Train Loss: 0.3325 Acc: 0.7951 | Val Loss: 0.3408 Acc: 0.7811 | LR: 0.000100 | Time: 49.9s

Epoch 7/10 | Train Loss: 0.3205 Acc: 0.7993 | Val Loss: 0.3520 Acc: 0.7936 | LR: 0.000100 | Time: 50.2s

Epoch 8/10 | Train Loss: 0.2792 Acc: 0.8268 | Val Loss: 0.3095 Acc: 0.8203 | LR: 0.000100 | Time: 50.4s

Epoch 9/10 | Train Loss: 0.2631 Acc: 0.8233 | Val Loss: 0.3054 Acc: 0.8185 | LR: 0.000100 | Time: 51.1s

Epoch 10/10 | Train Loss: 0.2465 Acc: 0.8390 | Val Loss: 0.2753 Acc: 0.8310 | LR: 0.000100 | Time: 52.1s

Entraînement terminé.

Training complete. Evaluating on test set...

Test set predictions complete. Generating confusion matrix...

A screenshot of a computer

AI-generated content may be incorrect.

Rapport de classification:

precision recall f1-score support

aphid 0.9062 0.6591 0.7632 44

army\_worm 0.8750 0.9767 0.9231 43

black\_rust 0.7600 0.8261 0.7917 46

brown\_rust 0.9756 0.9091 0.9412 44

common\_rust 0.9167 0.8302 0.8713 53

fusarium\_head\_blight 1.0000 0.9429 0.9706 35

healthy 0.8293 0.9444 0.8831 72

leaf\_blight 0.7333 0.7021 0.7174 47

powdery\_mildew\_leaf 0.7077 0.8519 0.7731 54

spetoria 0.8605 0.9024 0.8810 41

tan\_spot 0.7500 0.5676 0.6462 37

yellow\_rust 0.9792 1.0000 0.9895 47

accuracy 0.8490 563

macro avg 0.8578 0.8427 0.8459 563

weighted avg 0.8533 0.8490 0.8469 563

Model saved to ../saved\_models\_and\_data/wheat\_disease\_sc\_convnext\_model.pth