Epoch GPU\_mem box\_loss cls\_loss dfl\_loss Instances Size

339/1000 0G 1.44 1.096 0.91 1906 640: 100%|██████████| 2/2 [00:18<00:00, 9.35s/it]

Class Images Instances Box(P R mAP50 mAP50-95): 100%|██████████| 1/1 [00:02<00:00, 2.21s/it]

all 6 445 0.629 0.629 0.762 0.525

Stopping training early as no improvement observed in last 50 epochs. Best results observed at epoch 289, best model saved as best.pt.

To update EarlyStopping(patience=50) pass a new patience value, i.e. `patience=300` or use `patience=0` to disable EarlyStopping.

339 epochs completed in 1.978 hours.

Optimizer stripped from runs\detect\train3\weights\last.pt, 6.2MB

Optimizer stripped from runs\detect\train3\weights\best.pt, 6.2MB

Validating runs\detect\train3\weights\best.pt...

Ultralytics YOLOv8.0.131 Python-3.10.9 torch-2.0.1+cpu CPU

YOLOv8n summary (fused): 168 layers, 3006818 parameters, 0 gradients

Class Images Instances Box(P R mAP50 mAP50-95): 100%|██████████| 1/1 [00:01<00:00, 1.78s/it]

all 6 445 0.699 0.837 0.829 0.571

Dm 6 51 0.613 0.843 0.735 0.527

Im 6 112 0.879 0.842 0.925 0.618

Im-Sh 6 72 0.552 0.583 0.581 0.374

Wv 6 30 0.855 1 0.983 0.832

fm 6 118 0.725 0.771 0.77 0.336

pure 6 62 0.571 0.984 0.978 0.741

Speed: 2.6ms preprocess, 88.9ms inference, 0.0ms loss, 13.0ms postprocess per image

Results saved to runs\detect\train3

image 1/3 C:\Users\archa\Desktop\C-DAC\Using\_YoloV8(6 classes)\Maize Quality Detection.v3i.yolov8\test\MAIZE-QPM\_Default\_Mixed-33332\_20230316\_132714.jpg: 480x640 13 Dms, 3 Im-Shs, 7 Wvs, 1 fm, 1 pure, 93.8ms

image 2/3 C:\Users\archa\Desktop\C-DAC\Using\_YoloV8(6 classes)\Maize Quality Detection.v3i.yolov8\test\MAIZE-QPM\_Default\_Mixed-33332\_20230316\_132933.jpg: 480x640 10 Dms, 4 Im-Shs, 2 Wvs, 3 fms, 17 pures, 78.0ms

image 3/3 C:\Users\archa\Desktop\C-DAC\Using\_YoloV8(6 classes)\Maize Quality Detection.v3i.yolov8\test\MAIZE-QPM\_Default\_Mixed-33332\_20230316\_133050.jpg: 480x640 3 Dms, 16 fms, 50 pures, 94.8ms

Speed: 5.2ms preprocess, 88.9ms inference, 0.0ms postprocess per image at shape (1, 3, 480, 640)

Results saved to runs\detect\predict3

(Maize\_Detection\_YoloV8)