**YOLOv8n Performance Analysis on Weed Detection Dataset Inference Speed (FPS) Inference Latency** 200 -8 169.8 6.9 175 167.1 7 6.6 152.4 6.0 143.9 5.9 150 -6 Frames Per Second 125 -Latency (ms) 75 · 50 2 25 1 0 0 best last best last **Model Parameters** mAP@0.5 (Initial Training) 1.0 3.5 3.0M 3.0M 3.0 0.8 2.5 Parameters (Millions)
1. C C 0.6 mAP@0.5 Models require longer training for accuracy 0.4 1.0 0.2 0.5 0.0 0.0 last best best last