Confusion Matrix:

Confusion Matrix

Actual \ Predicted	Apple_Bad	Apple_Good	Apple_mixed	Banana_Bad	Banana_Good	Banana_mixed	Guava_Bad	Guava_Good	Guava_mixed	Lemon_mixed	Lime_Bad	Lime_Good	Orange_Bad	Orange_Good	Orange_mixed	Pomegranate_Bad	Pomegranate_Good	Pomegranate_mixed
Apple_Bad	56	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apple_Good	0	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apple_mixed	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banana_Bad	0	0	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Banana_Good	0	0	0	0	55	0	0	0	0	0	0	0	0	0	0	0	0	0
Banana_mixed	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0
Guava_Bad	0	0	0	0	0	0	55	0	1	0	0	0	0	0	0	0	0	0
Guava_Good	0	0	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0
Guava_mixed	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0
Lemon_mixed	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0
Lime_Bad	0	0	0	0	0	0	0	0	0	0	54	0	0	0	0	0	0	0
Lime_Good	0	0	0	0	0	0	0	0	0	0	0	55	0	0	0	0	0	0
Orange_Bad	0	0	0	0	0	0	0	0	0	0	0	0	59	3	0	0	0	0
Orange_Good	0	0	0	0	0	0	0	0	0	0	0	0	0	61	0	0	0	0
Orange_mixed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0
Pomegranate_Bad	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	0	0
Pomegranate_Good	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	296	0
Pomegranate_mixed	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

Predicted

Training Loss and acuracy across epochs trained: