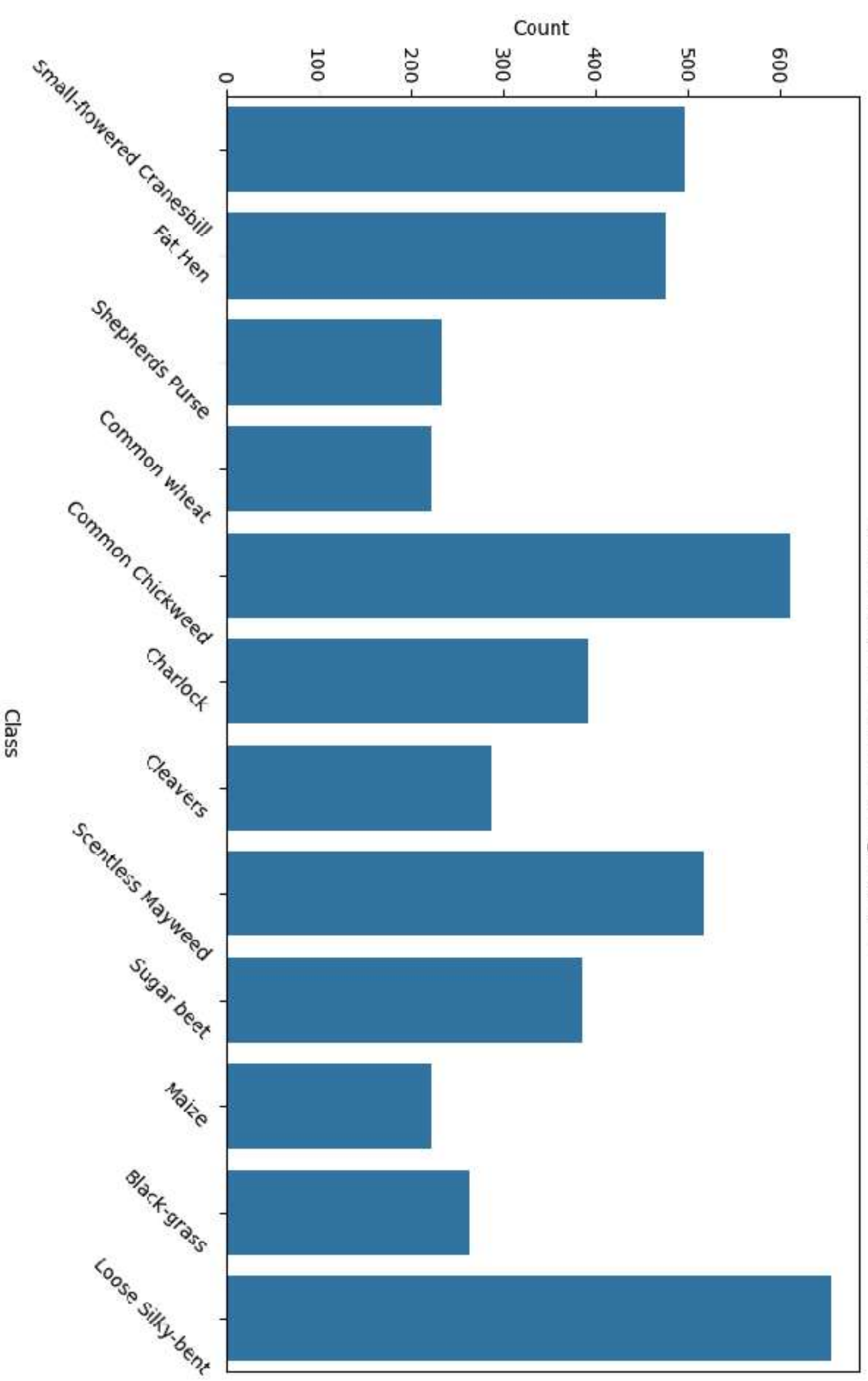
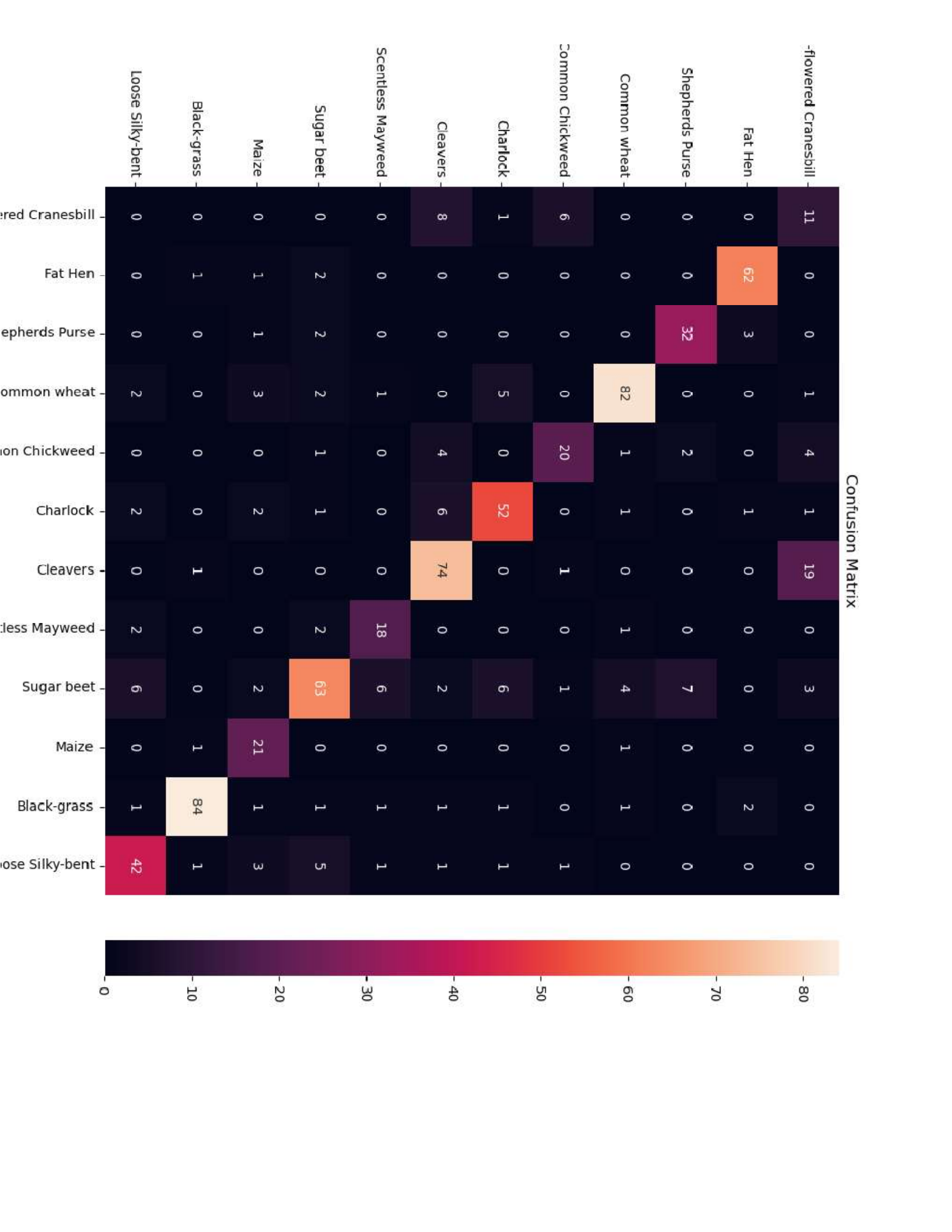


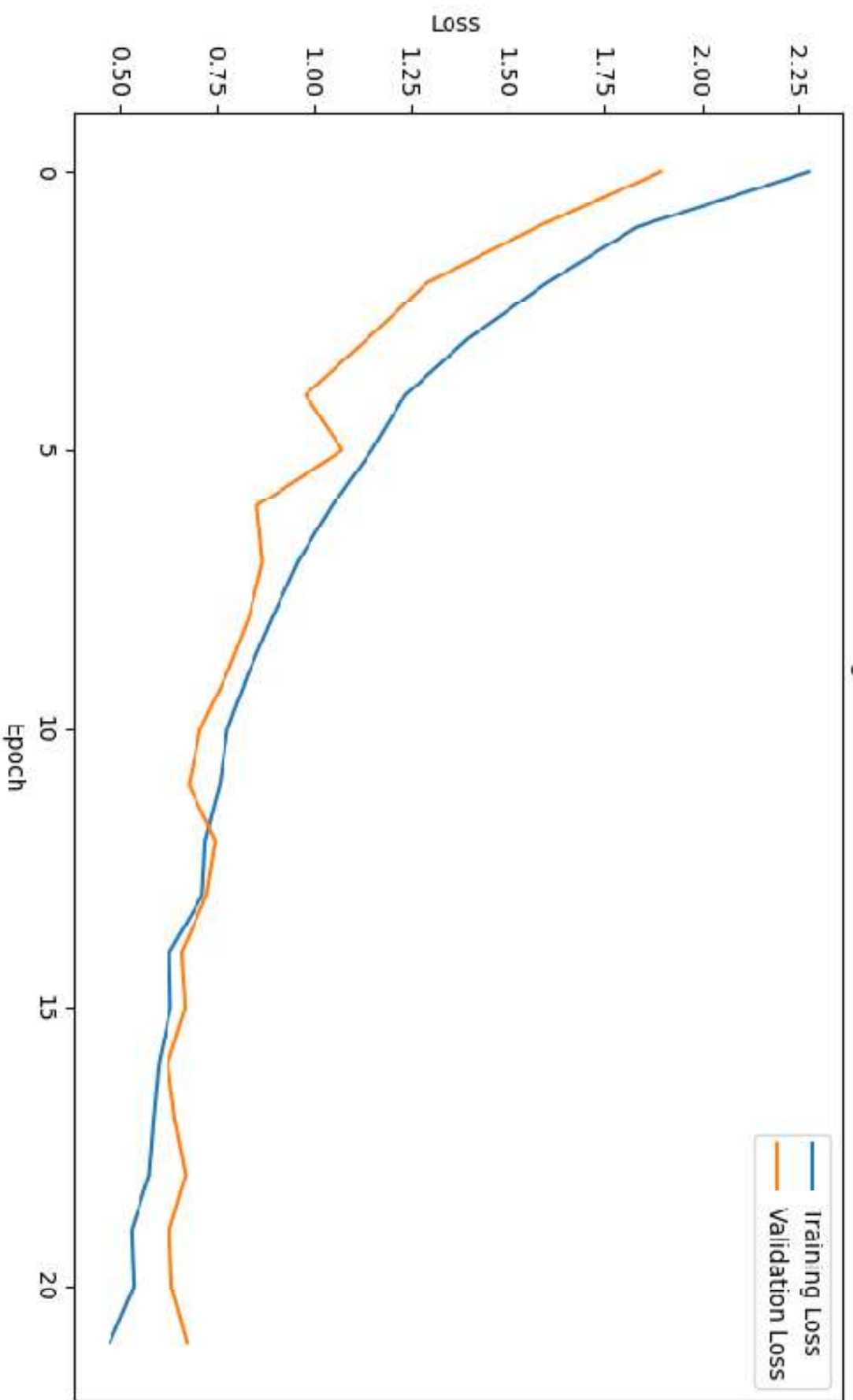
Distribution of Plant Seedling Classes



	precision	recall	f1-score	support
Small-flowered Cranesbill	0.42	0.28	0.34	39
Fat Hen	0.94	0.91	0.93	68
Shepherd's Purse	0.84	0.78	0.81	41
Common wheat	0.85	0.90	0.88	91
Common Chickweed	0.62	0.69	0.66	29
Charlock	0.79	0.79	0.79	66
Cleavers	0.78	0.77	0.77	96
Scentless Mayweed	0.78	0.67	0.72	27
Sugar beet	0.63	0.80	0.70	79
Maize	0.91	0.62	0.74	34
Black-grass	0.90	0.95	0.93	88
Loose Silky-bent	0.76	0.76	0.76	55
accuracy			0.79	713
macro avg	0.77	0.74	0.75	713
weighted avg	0.79	0.79	0.78	713



Training vs. Validation Loss



Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	896
max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0
conv2d_1 (Conv2D)	(None, 29, 29, 64)	18,496
max_pooling2d_1 (MaxPooling2D)	(None, 14, 14, 64)	0
conv2d_2 (Conv2D)	(None, 12, 12, 128)	73,856
max_pooling2d_2 (MaxPooling2D)	(None, 6, 6, 128)	0
flatten (Flatten)	(None, 4608)	0
dense (Dense)	(None, 128)	589,952
dropout (Dropout)	(None, 128)	0
dense_1 (Dense)	(None, 12)	1,548

Total params: 684,748 (2.61 MB)

Trainable params: 684,748 (2.61 MB)

Non-trainable params: 0 (0.00 B)

Small-flowered Cranesbill



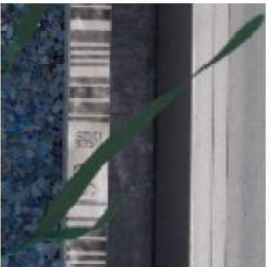
Fat Hen



Shepherds Purse



Common wheat



Common Chickweed



Charlock



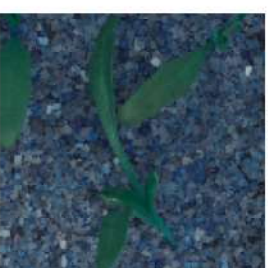
Cleavers



Scentless Mayweed



Sugar beet



Maize



Black-grass



Loose Silky-bent

