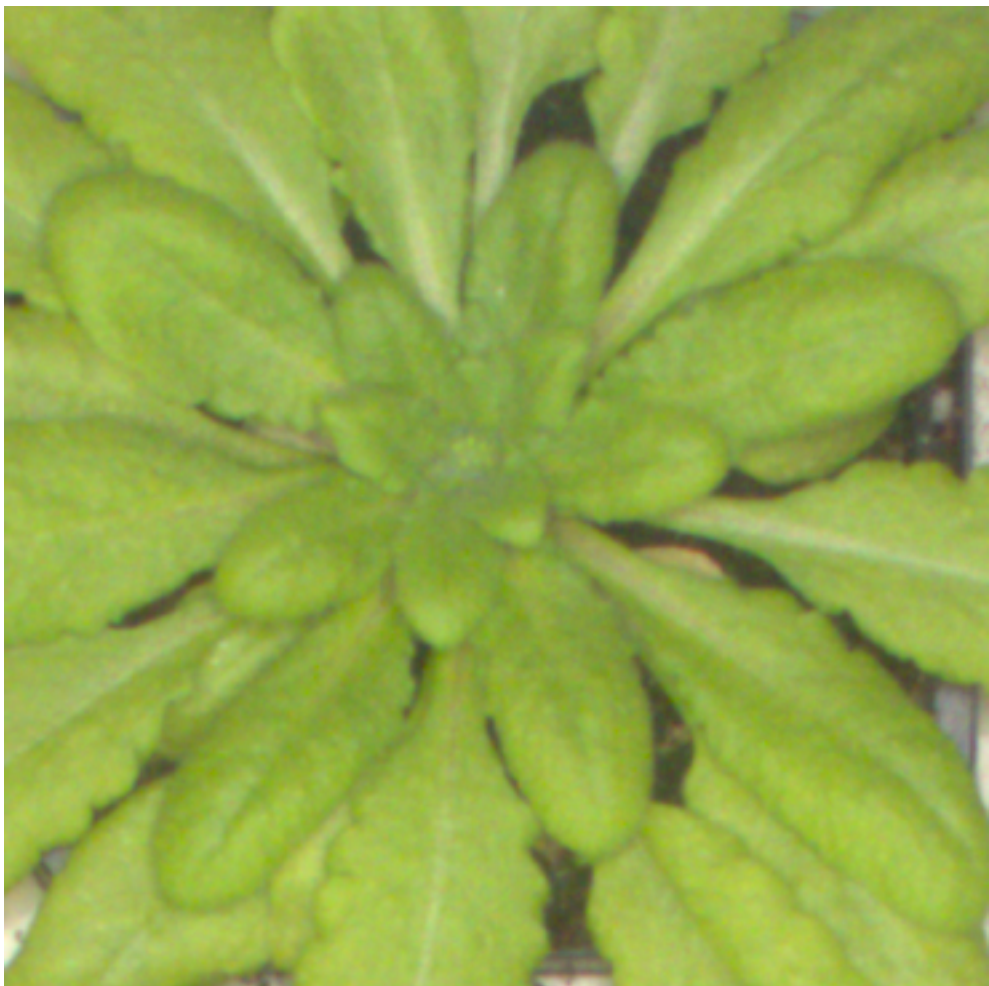


1. Deep Pixel Embedding:
  - A feasible approach of instance segmentation
2. U-Net Family:
  - A competent network to segment
3. Learn Locally:
  - Use embedding space efficiently
4. Distance Map Concatenation:
  - An effective layer to supply spatial information

# Failed Cases

$\Sigma$  :        14 / 500  
BD Severe: 57%



# Interim Conclusions

**Severely  
Occluded**

$\Sigma$  :        112 / 500  
BD Tobacco: 77%



**Tobacco:  
Train: 3%  
Test: 22%**