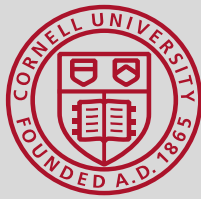


# Apple disease research update May 2020



**Awais Khan**

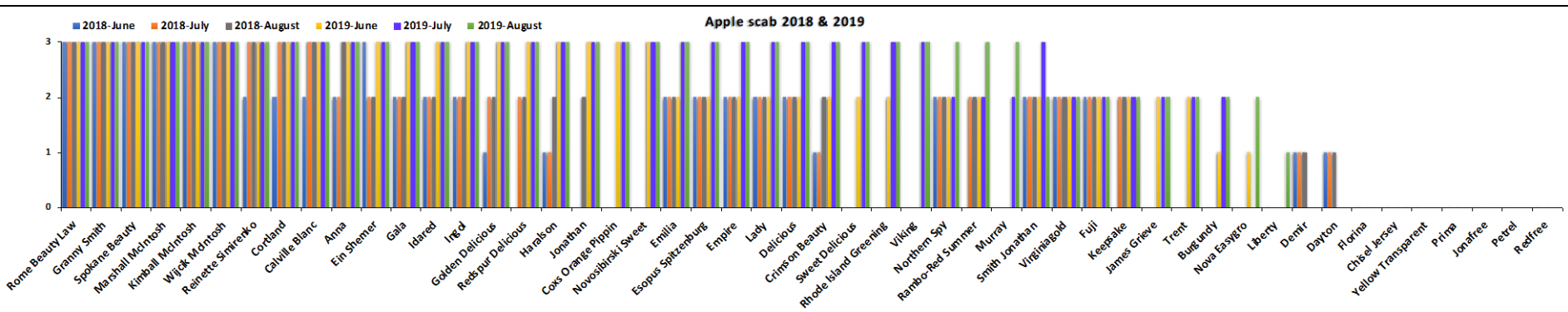
Plant Pathology and Plant-microbe Biology, SIPS,  
Cornell University, Geneva, NY

# Apple scab

Scab infection scale

0=No infection; 1=Weak infection

2=Moderate infection; 3=Highly susceptible





# Disease updates (May 2020)

Apple scab, Powdery mildew, Frogeye leaf spot, Cedar apple rust and other leaf spots



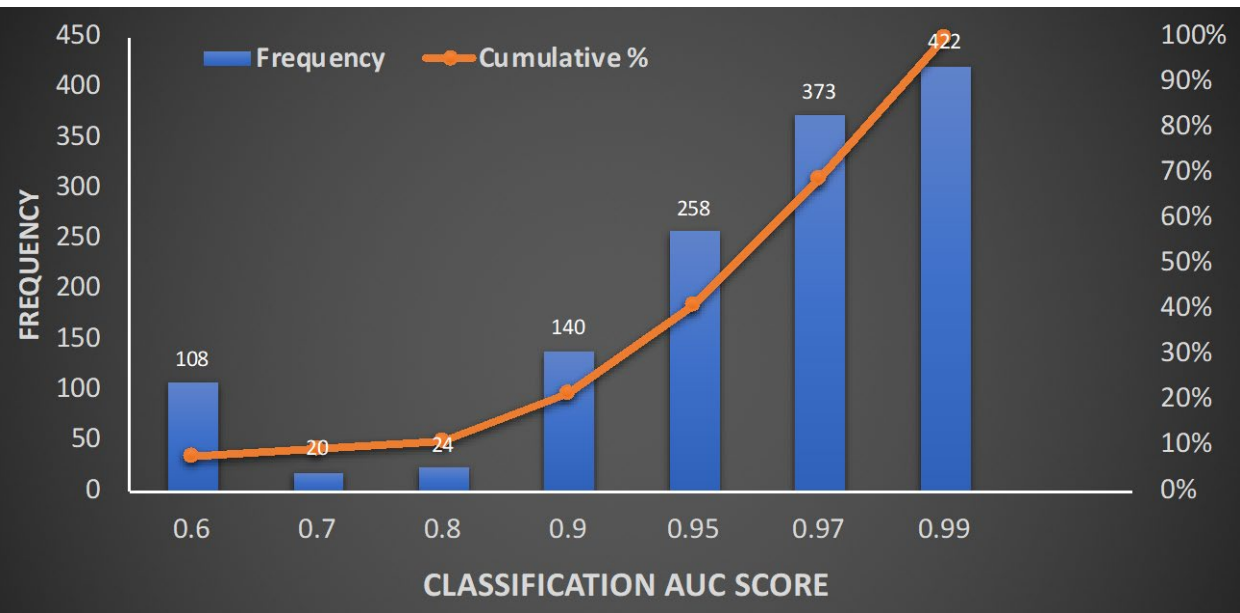


# Research updates

## Genetic resistance to fire blight



## Computer vision to classify foliar diseases of apples



- The pilot apple foliar disease dataset: 3,651 RGB images with 1,200 apple scab, 1,399 cedar apple rust, 187 complex disease, and 865 healthy leaves.
- The competition was launched at Kaggle (Google)
- A total of 1,345 teams have participated in the competition and have submitted approximately 5,796 entries.