

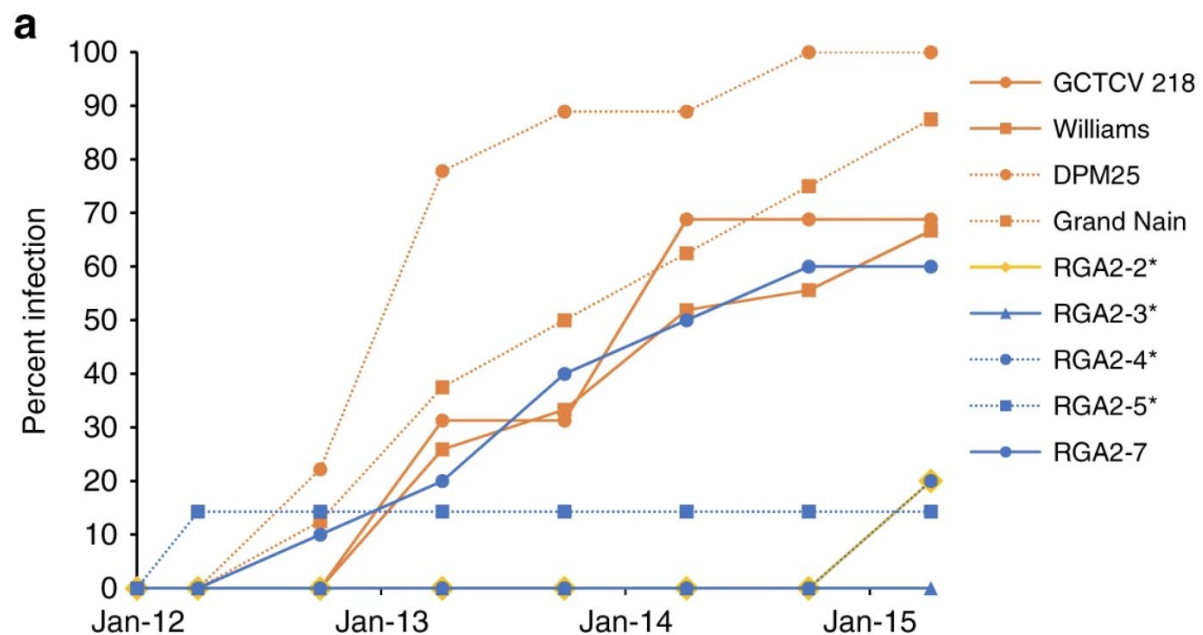
Name: _____ Hour: _____ Date: _____

Bananas! Extension Activity

Description for the Graph Below:

The graph shows the percentage of infected plants in two standard Cavendish banana types (“Williams” and “Grand Nain”) over three years. It also shows the percentage of diseased bananas in different genetically modified banana varieties (RGA2-2*, RGA2-3*, RGA2-4*, RGA2-5*, RGA2-7) as well as in two other types.

“GCTCV 218” is a banana developed in Taiwan through plant breeding. It has natural resistance to the disease. “DPM25” is a standard banana with mutations induced by radiation. It is resistant to a fungus similar to the one that affects Cavendish bananas.



1. Look at the graph above. What does it tell you about which solutions scientists have tried? How effective have these solutions been? (Look at the different types of solutions and follow and compare them in the graph)

2. Pick one of the following fruit diseases. They face similar threats to their existence, much like the banana. Explain what the threat is and what potential solution scientists are pursuing for that disease.

Citrus greening of oranges, vanilla beans and black rot, apples and fire blight, tomato mosaic virus, cacao plant (chocolate) pod rot disease

