

Figure 1: Effect of natamycin, Howler, On-Gard Calcium and their combinations applied as a spray on detached petunia flowers evaluated 72 h after inoculation with *Botrytis* spores. Captan and Miravis Prime are commercial fungicides.

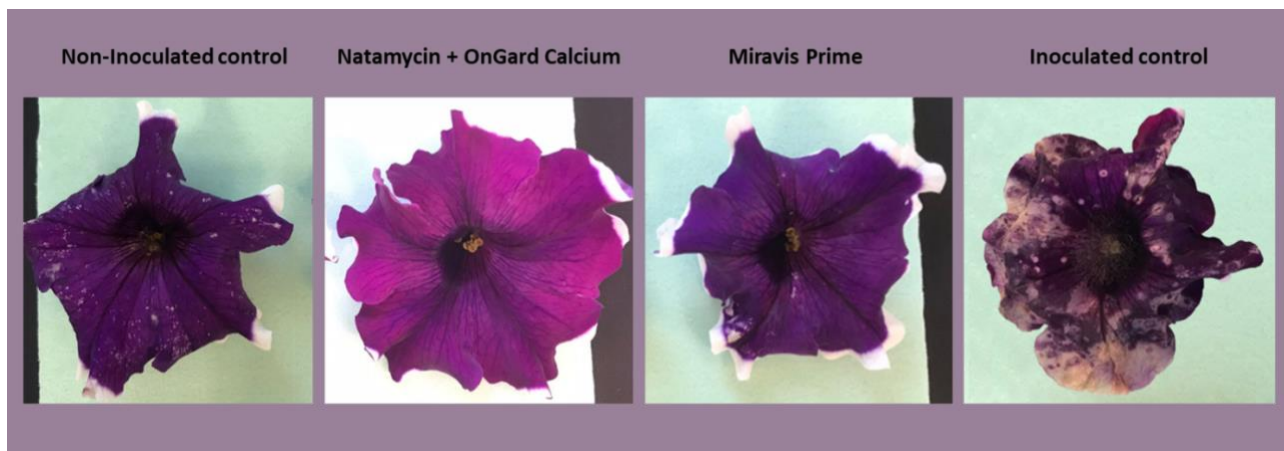


Figure 2: Representative *Botrytis* blight symptoms for selected treatments. Photos were taken 72 hrs after inoculation with *Botrytis* spores.

Conclusions

We typically do not expect alternative, bio-based products to have the same level of control as the best chemical fungicides, but if we are able to achieve moderate efficacy, then we can reduce the number of chemical fungicide applications, which has great implications for reducing fungicide resistance. However, in these experiments, the tank mix of natamycin and On-Gard Calcium had an equivalent reduction in botrytis infection as Miravis Prime, and the other tank mixes also provided excellent results. Thus, tank mixes of natamycin, Howler, and On-Gard Calcium have tremendous potential for managing *Botrytis* blight in petunias and likely other floriculture crops.