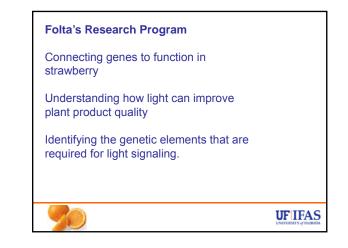
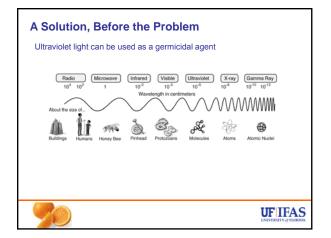
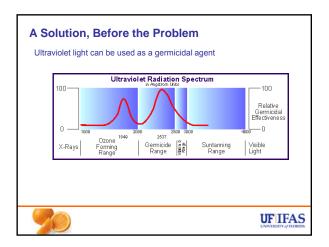
Potential New Food Safety Tools for the Packing Line Kevin M. Folta Professor and Chair Horticultural Sciences Department University of Florida, Gainesville, FL Kotta@ufi.edu

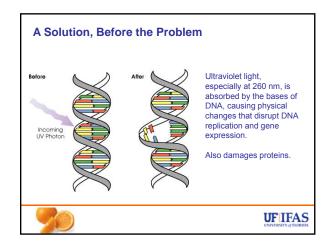
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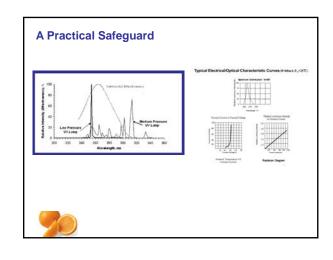


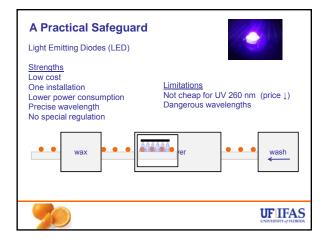


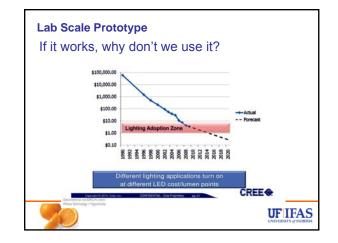


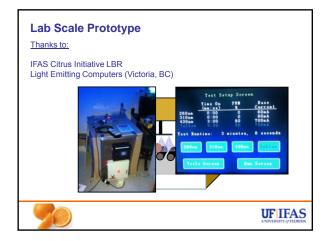


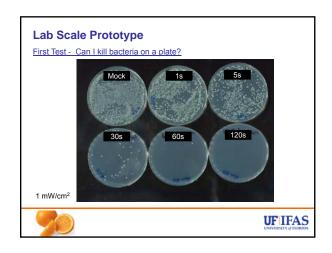


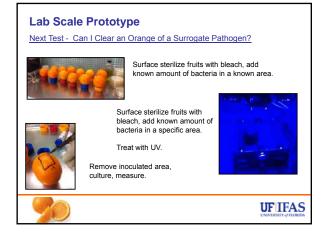


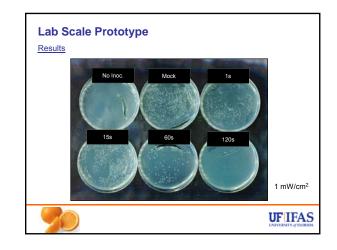


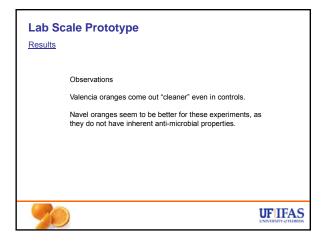


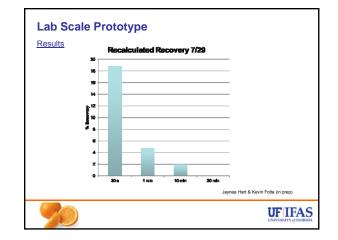


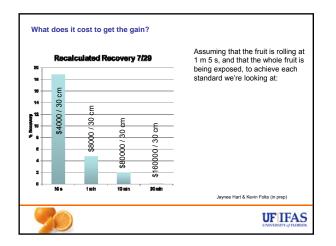


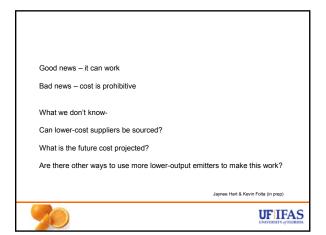












Lab Scale Prototype

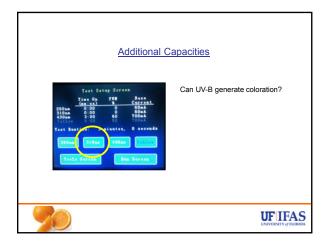
Conclusions

•The UV can be germicidal at practical levels for LED use

•<u>UV can substantially decrease inoculated bacterial</u> populations on fruit

•We are in an economic argument at this point... can we source cheaper materials?

UF IFAS



<u>Next Steps</u>

How much energy can be applied before affecting fruit?

Does the UV affect the rollers/mechanisms/dryer?

Repeat trials using better surrogates at CREC, actual safety evaluations.

Identify how timing/power/etc practically fit with the actual packing lines

Test ability to clear additional microbes (plant pathogens?)

Install on packing line at CREC, USDA Indian River





