green b Veggie Washer

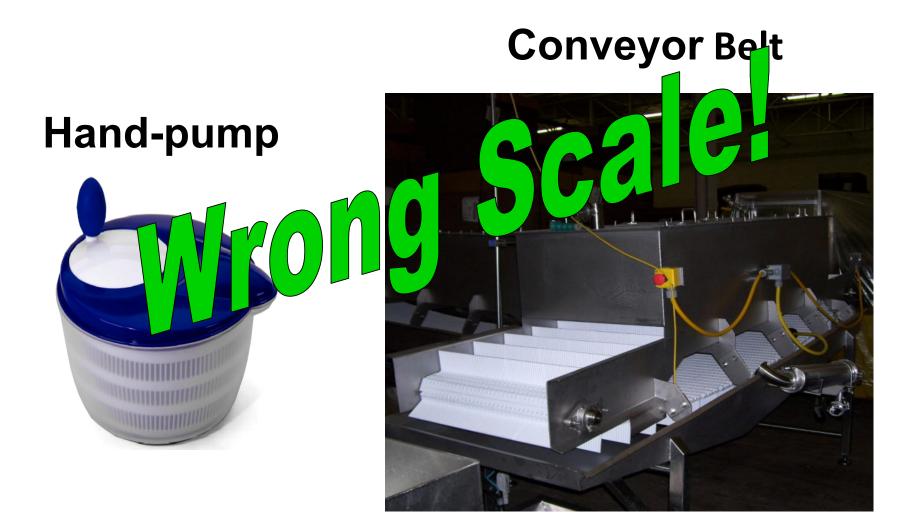
Community Servings asked:

"How do we clean and prepare the produce in an efficient and quick way to avoid rotting and waste?"



Available Products





Available Products





Proposed Solution



Pressurized Water Spray

- Compressed Air and Vibration
- UV Lights

UV Benchmarking



Water Treatment

Air Purification

Surface Disinfection EX-ST-NG

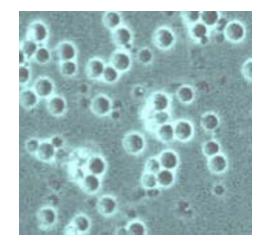
Food Preparation

UV Technical Data





E. coli: 7,000 mW*s/cm²



Baker's yeast: 8,800 mW*s/cm²





"Rinse fresh fruits and vegetables under running tap water..." -Partnership for Food Safety Education

"Wash fruits and vegetables under running water just before eating, cutting, or cooking." -FDA, Safe Handling of Raw Produce at Home

"Most researchers advise not to use soap, liquid detergent, or a chlorine bleach solution to wash produce because none has been approved for human consumption and all could be absorbed into the fruit or vegetable, especially if it has a nick or blemish."

-Pittsburgh PostGazette, Soak, scrub or spray?

Experimentation

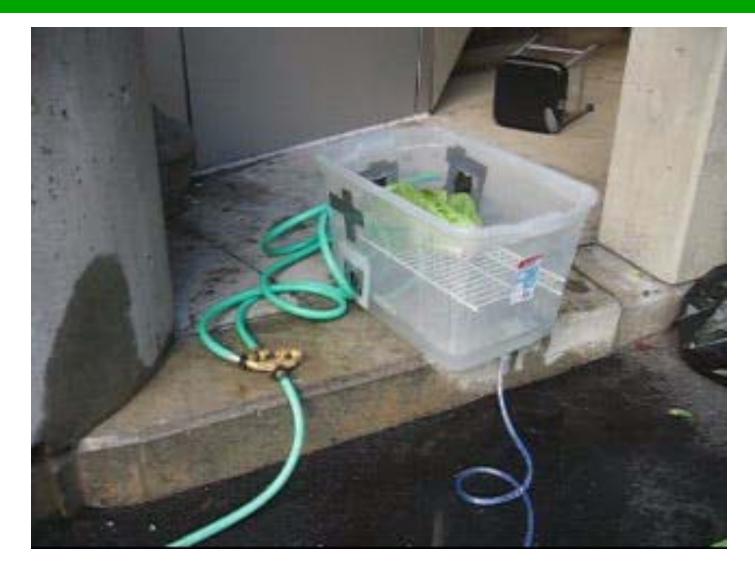






Experimentation





Experimentation





Results



More Dirt ----- Less Dirt



Spray Pattern: **Soaker** Valve:

Fully Open

Time:

10.2 seconds

Results



More Dirt ----- Less Dirt

Spray Pattern: Mist Valve: Fully Open Time: 10.5 seconds 20.2 seconds

Results



More Dirt ----- Less Dirt



Spray Pattern:

Shower

Valve:

Half Open

Time:

10 seconds

Conclusions



- Less Water
- Spray Pattern
- •UV for E. Coli

Any Questions?



