A few slides on Cleaning and Sanitizing

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# Production flow—Master Cleaning Schedule

#### • What?

• List of equipment/tools/surfaces that need to be cleaned

## • When?

Frequency of cleaning (e.g. daily/weekly)

### How?

• Train employees, management SOPs (cleaning, drying, storage)

## • Who?

Person responsible for each task—log this

# Suggested Frequencies of Cleaning, Sanitizing, and Disinfecting

Clean Sanitize Disinfect

All surfaces

Food contact surfaces and non-food contact surfaces

Non-food contact surfaces - high touch surfaces; incident with infected person

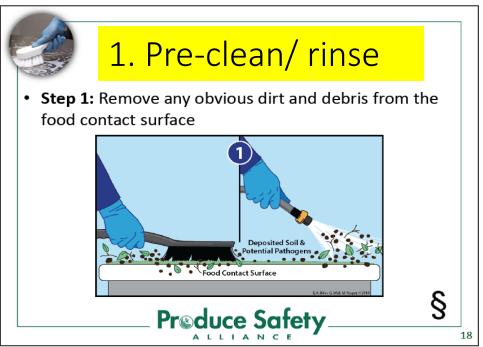
#### Frequency

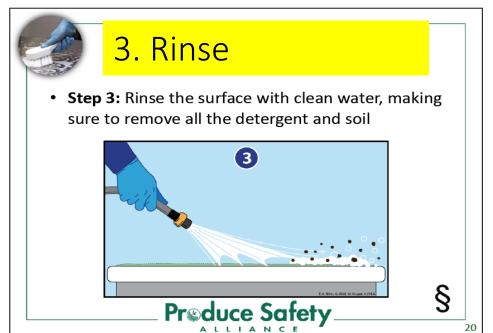
Every day and before sanitizing or disinfecting surfaces

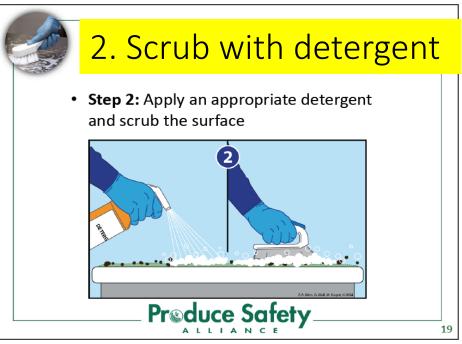
Food contact surfaces: once per day Non-food contact surfaces: daily, weekly, monthly, etc. At least twice per day for high touch surfaces

# Four-step cleaning for contact surfaces

- Pre-clean/ rinse
- 2. Scrub with detergent
- 3. Rinse
- 4. Sanitize or disinfect
- 5. Dry?









# Recommendations for small produce farms that sell directly to consumers

- Provide training to anyone who works at the farm (employees, volunteers, family members, etc) regarding the symptoms of COVID-19.
- Monitor closely the health of anyone working at the farm.
- Provide fully functional hand washing facilities.
- Limit access to customers to areas where produce is staged for sale.
- Clean and sanitize food contact surfaces, non-food contact surfaces; disinfect high-touch surfaces.



Sanitizers	Disinfectants
EPA-registered	EPA-registered
Food contact surfaces (and non food contact surfaces	Non-food contact surfaces
Reduce bacterial load 99.999% on food contact surfaces; 99.9% on non-food contact surfaces	Destroy/inactivate all infectious microorganisms (such as bacteria and viruses) and fungi; exception includes bacterial spores
Lower concentration and shorter contact time (within 1 minute)	Higher concentration and longer contact time (within 10 minutes)
Cannot have artificial scents or perfumes for use on food contact surfaces	May include artificial scents and perfumes
Tested against bacterial pathogens only (E.coli, Salmonella Typhimurium, Staphylococcus aureus)	Effective against bacteria, viruses, and fungi; must be tested against every organism the label claims to kill
Used throughout the food industry	Typically used in hospitals, nursing homes, hotels, for example

# Resources

**UVM EXT Ag Engineering** <a href="https://blog.uvm.edu/cwcallah/2020/03/18/considerations-for-fruit-and-vegetable-growers-related-to-coronavirus-covid-19/">https://blog.uvm.edu/cwcallah/2020/03/18/considerations-for-fruit-and-vegetable-growers-related-to-coronavirus-covid-19/</a>

Vermont Vegetable and Berry Growers (VVBGA) <a href="http://www.uvm.edu/vtvegandberry/Covid-19.html">http://www.uvm.edu/vtvegandberry/Covid-19.html</a>

North Carolina State University cleaning and sanitation webinar

https://ncfreshproducesafety.ces.ncsu.edu/2020/04/always-be-cleaning-sanitizing-understanding-disinfection-webinar/

Notes from this webinar <a href="https://ncfreshproducesafety.ces.ncsu.edu/wp-content/uploads/2020/04/Novel-Coronavirus-Considerations-for-Small-Farms-040320.pdf">https://ncfreshproducesafety.ces.ncsu.edu/wp-content/uploads/2020/04/Novel-Coronavirus-Considerations-for-Small-Farms-040320.pdf</a>

North Carolina State University COVID-19 resource page

https://foodsafety.ces.ncsu.edu/covid-19-resources/

