
Healthy People 2030 Produce Subgroup

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Produce- Specific HP 2030 Objectives

- FS-D03: Reduce outbreaks of Shiga toxin-producing *E. coli*, *Campylobacter*, *Listeria*, and *Salmonella* infections linked to fruit and nuts.
- FS-D04: Reduce outbreaks of Shiga toxin-producing *E. coli*, *Campylobacter*, *Listeria*, and *Salmonella* infections linked to leafy greens.

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- FS-D03: Reduce outbreaks of Shiga toxin-producing *E. coli*, ~~*Campylobacter*~~, *Listeria*, and *Salmonella* infections linked to fruit and nuts.
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Avoid Duplication of Efforts

Reduce zoonotic pathogens in animals

Interrupt transmission/vectors to produce

Minimize impacts of contamination

CALIFORNIA INITIATIVES – A ROADMAP TO ENHANCED FOOD SAFETY

Food safety is a shared responsibility. Continued outbreaks of pathogenic *E. coli* associated with leafy greens necessitated a robust response through efforts shared among the industry, the broader agricultural community, and state and federal regulators to protect public health. The agricultural communities in California, specifically the Salinas Valley and Santa Maria Valley, continue to respond to the *E. coli* outbreak events linked to leafy greens in three distinct areas: Filling Knowledge Gaps, Prevention, and Response.



FILLING KNOWLEDGE GAPS

Colloquium on Shigatoxin-producing *E. coli* (STEC) involving leafy greens, led by Center for Produce Safety (January – June 2021)

Center for Produce Safety Research funded 187 projects (Ongoing)

CA Leafy Greens Research Program, administered by representatives of leafy greens industry (Ongoing)

CA Longitudinal Study (CALs) to address knowledge gaps in reoccurring outbreaks, led by FDA, UC Davis Western Center for Food Safety, industry advisory group and coordinated by CDFA (July 2020 – August 2023)

Research: Scientific Challenges

PREVENTION

CA Agricultural Neighbors (CAN) workgroup to foster a constructive working relationship among stakeholders, led by Monterey County Farm Bureau, CDFA, RESOLVE facilitation (January 2021 – December 2021)
* *E. coli* cattle vaccination trial is action item

CA LGMA Subcommittees, led by CA and AZ Leafy Green Marketing Agreements (LGMAs) (Ongoing)

Continuous Improvement (Revision) of LGMA-Approved Guidelines, led by Western Growers in coordination with CA & AZ LGMAs (Ongoing)

FDA Leafy Green Surveillance Sampling, led by FDA (February – April 2021)

RESPONSE

Leafy Greens Outbreak Investigative Reports, led by FDA and CDC (fall 2018 – winter 2020)

Industry Guidance on Root Cause Analysis to benefit diverse produce operations, including leafy green operations, led by Western Growers and involving Arizona LGMA, California LGMA, Grower-Shipper Association of Central California, Produce Marketing Association, Texas International Produce Association and United Fresh Produce Association (May – June 2021)

Conduct Follow-Up Surveillance to the 2020 Outbreaks, led by CDFA in coordination with CDPH and FDA (April – July 2021)

https://www.cdfa.ca.gov/is/pdfs/CA_Initiatives_-_A_Roadmap_to_Enhanced_Food_Safety_April_2021.pdf

Key Areas

- One Health
 - Recognizing the need for collaboration between stakeholders
- Water
 - Preharvest
 - Irrigation
 - Other uses
 - Post harvest
 - Wash water
- Root cause/ illness prevention
 - Investigative
 - Focus on recurrent and persisting strains

Where can this diverse workgroup make the most impact?
Where are there gaps?

Who Makes a Difference

- Federal and state governments
 - Legislatures
 - Regulatory agencies
 - Non- regulatory agencies

 - Regulations, policy, enforcement
- Industry
 - Implement and evaluate mitigations, data sharing
- Academics
 - Research
 - Extension/ education

Path Forward

- Three subgroups with industry and govt co-chair(s)
 - One health, water, root cause/prevention/investigation
- Prioritize and fine tune deliverables
- Prepare to report successes at Spring 2022 meeting

- Questions?