

**'Stop the Rot' Onion Bacterial SCRI Project
Stakeholder Advisory Panel Meeting
27 March 2024, online**



Stop the Rot

*Welcome,
Project Overview, Agenda*

Lindsey du Toit
Washington State University

<https://alliumnet.com/projects/stop-the-rot/>

USDA NIFA SCRI Project No. 2019-51181-30013



United States
Department of
Agriculture

National Institute
of Food and
Agriculture

Stop the Rot

<https://alliumnet.com/projects/stop-the-rot/>

- **Objective A: Onion bacterial disease characterization**
 - A1 – Survey onion crops nationally for bacterial pathogens
 - A2 – Genetic analyses, virulence factors, bacterial communities
 - A3 – Develop molecular diagnostic tools
 - A4 – Develop methods to screen for resistance to bacterial diseases
- **Objective B: Onion bacterial disease management**
 - B1 – Irrigation practices
 - B2 – Fertility practices
 - B3 – Pesticide programs
 - B4 – Cultural practices
 - B5 – Postharvest practices
 - B6 – Bacterial disease modeling/risk prediction
 - B7 – Extension/outreach
 - B8 – Economic assessments

MacKay, H., du Toit, L., Havey, M., and Rogers, P. 2022. *Onion World* May/June 2022:14-16.

MacKay, H., du Toit, L., and Hoepting, C. 2023. *Onion World* July/August 2023:6-7





Stop the Rot: Combating onion bacterial diseases with pathogenomic tools and enhanced management strategies