

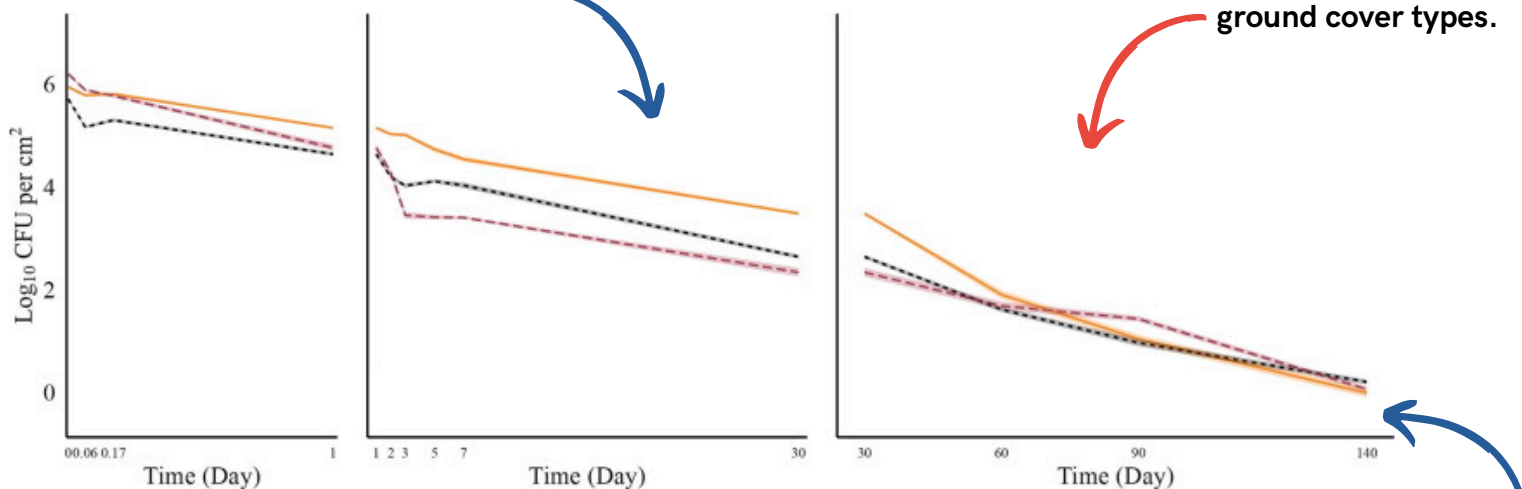


RESEARCH SUMMARIES

SURVIVAL OF SALMONELLA ON BIODEGRADABLE MULCH, LANDSCAPE FABRIC, AND PLASTIC MULCH

During the first 30 dpi, biodegradable mulch exhibited the smallest reduction in *Salmonella*, compared to landscape fabric and plastic mulch.

After 60 dpi, *Salmonella* reductions stabilized across all materials and by 90 dpi, no significant differences were observed between ground cover types.



Biodegradable mulch - solid, yellow

Landscape fabric - dashed, black

Plastic mulch - long dashed, red

Survival rates at 140 dpi were highest on landscape fabric followed by plastic mulch and biodegradable mulch coupons.

Salmonella survived 140 dpi on all tested ground covers, with reductions >5 log CFU/cm².



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MORE INFORMATION

Rosenbaum, A.A., Murphy, C.M., Wszelaki, A.L., Hamilton, A.M., Rideout, S.L., Strawn, L.K., 2024. Survival of *Salmonella* on Biodegradable Mulch, Landscape Fabric, and Plastic Mulch. *J. Food Prot.* 100444. <https://doi.org/10.1016/j.jfp.2024.100444>

