

**Centennial Honors College**  
**Thomas E. Helm Undergraduate Research Day 2024**

**ABSTRACT**

Major: Biochemistry

Poster

Faculty Mentor(s): Brian Bellott

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**Examination of Chlorpyrifos in Local Water Sources**

**Raven Holman**

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Chlorpyrifos is one of most widely used insecticides in the United States. It targets cockroaches, fleas, and ticks on pets/livestock as well as a broad range of insects on crops. Chlorpyrifos is toxic and has been linked to neurological defects, autoimmune disorders, and harm in the mental development of fetuses.

This study looks at three different local water sources for chlorpyrifos concentration. The study uses GC-FID to analyze chlorpyrifos in local water sources.