

Monitoring exposure of Western Victorian farmers to organophosphate pesticides

ACTRN12616001130459

Status RECRUITING
Sponsor Deakin University
Enrollment 50 participants

Plain Language Summary

This study is for farmers and farm workers in south-west Victoria who regularly work with pesticides — particularly organophosphate-based chemicals commonly used in agriculture. These chemicals can affect the nervous system. The study tests blood enzyme levels (cholinesterase activity) to measure how much exposure farmers are getting, to better understand their health risks and improve future monitoring.

You may be eligible if:

- You are between 18 and 75 years old
- You are a farmer or farm worker who regularly works with organophosphate pesticides
- You have not had a known serious chemical exposure incident
- You live in south-west Victoria
- You do not have a known chronic disease
- You are not taking anti-inflammatory drugs or supplements

You may NOT be eligible if:

- You are under 18 years old
- You have recently had a known serious chemical incident
- You have a known chronic disease
- You take anti-inflammatory drugs or supplements

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (1)

- Farmers and farm workers, who are routinely working with agrichemicals, particularly those containing organophosphate (AChE inhibiting chemicals), Have not had a previous chemical known incident, are not suffering from a known chronic disorder, not taking anti-inflammatory drugs or supplements. Participants will need to report usage/exposure to OP throughout the course of the study. Competent to decide and have capacity to consent to participate in the study and, attend a health assessment. Live in south west Victoria.

Exclusion (1)

- Participants of under 18 years of age and who have a recent known chemical incident, or are suffering from a known chronic disease or are taking anti-inflammatory drugs or supplements

Locations (3 total)

Western District Health Service - Hamilton - Hamilton, VIC, Australia
Western District Health Service - Coleraine - Coleraine, VIC, Australia
Western District Health Service - Peshurst - Peshurst, VIC, Australia

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616001130459>

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