Mateo Alvarez

Agriculture Field Technician

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SUMMARY

Agriculture Field Technician supporting contract field trials on vegetables and cotton in the Yuma desert. Apply treatments with backpack and small-plot sprayers and handle data collection on crop ratings under GLP compliance for 22 trials a season.

EDUCATION

Associate of Applied Science 05/2025

Arizona Western College Yuma, AZ

Agriculture Technology

EXPERIENCE

Agriculture Field Technician 09/2025 - Present

Desert Valley Field Research Yuma, AZ

Contract research organization running crop protection trials for chemical companies.

- Handle plot maintenance on **600** research plots across 22 field trials, including staking, weeding and irrigation management.
- Apply test products with backpack and small-plot sprayers, landing within 3% of target rates on every calibration check.
- Record crop injury and pest counts on tablets for 4,000 plot ratings a season, following GLP compliance rules.
- Map plot corners at 22 trial sites with GPS so every trial can be found after rows are reworked.

Field Hand 10/2023 - 08/2025

Somerton Produce Farms Somerton, AZ

Part-time and seasonal work on a 2,500-acre lettuce and melon farm while in college.

- Operated sprinkler and furrow irrigation on 400 acres of lettuce, checking every set within 12 hours.
- Completed thinning and weeding work across 2,500 acres while learning crop stages and pest damage.
- Tracked harvest counts in Microsoft Excel for 6 crews and flagged shortfalls to the foreman each day.

SKILLS

Field Trials • **Plot Maintenance** • **Data Collection** • **Crop Injury Ratings** • **GLP Compliance** **Backpack Sprayer Application** • **Irrigation Management** • **GPS** • **Microsoft Excel** • **Teamwork**

CERTIFICATES

Qualified Applicator License

Arizona Department of Agriculture

11/2025