ceres

YIELD LOSS RISK

Ceres has developed a model that correlates cumulative thermal stress with yield outcomes for almonds in California's Central Valley.

This pilot is an opportunity for customers to receive additional insights alongside the cumulative stress layer that could have real impacts on yield outcomes.

Discover what percentage of the field is at risk of losing more than 10% of yield based on cumulative thermal stress.

Monitor changes to field percentages flight-over-flight to evaluate how mitigating actions are decreasing risk.

End of season reports summarize field-level risk estimates and end of season yield data—providing a baseline to compare for subsequent years.

Ceres' Yield Loss Risk alpha allows participants to determine earlier estimates of yield information

We combine custom land cover models with aerial imagery to calculate which areas of the field are struggling to produce crops. The yield loss risk metric provides in-season indicators of areas of a field to keep an eye on. The end of season report combines your harvest data with flight overlays to easily spot trends.

Ceres will use the collected data to improve the yield risk models.

This product is currently in a limited-release alpha for growers of fruit and nut trees globally. Interested in joining or learning more? Talk to your Ceres rep to get more information.

Make data-driven management decisions
with Ceres' Yield Loss Risk.

Areas of the field with a cumulative stress of 0.5 or greater are automatically aggregated in terms of both acres and percentages, so you can easily determine the extent of the impact.


Individual Field Performance

The end of season report includes yield data along with cumulative thermal stress imagery, enabling users to tie yield impacts to the spatial distribution of stress.

This information can be used to evaluate the financial return of infrastructure improvements and management changes.

Almonds	
Average Cumulative Stress™	Percent Per Category
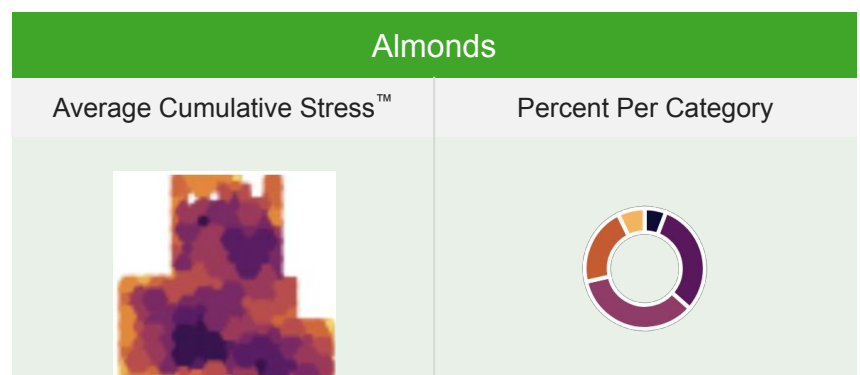
Yield Data		
Field Block	Yield (kg)	Harvest Date
Block 101	3014	9/28/2023