

CASP Online System – Preparation Checklist

This document provides an overview of the content of the CASP online system, located at: www.AlmondStewardship.org. CASP users should assemble the following information to streamline the time needed for using the online system. In addition, detailed user guides are available on the CASP online system.

User Profile	The section includes information about users: ☐ Name ☐ Contact details (email; phone; address)
Orchard Assessment Overview	CASP documents your practices while providing an opportunity to learn more about practical, efficient, and sustainable farming approaches. The person completing the assessment should have familiarity with the farming practices that relate to the topics. In some cases, you may need to have relevant staff (e.g., irrigation manager) or consultants (e.g., PCA) respond to questions. Contact CASP support to add users to your account: CASP@sureharvest.com or 831.477.7797 To complete an assessment, answer all of the applicable questions and then submit those responses. Assessments are retrospective. The 2025 crop year opened November 2025 and will close in October 2026. The 2025 crop year covers almonds harvested in 2025. The assessment consists of three main sections: • Orchard Setup ☐ Features of an orchard and details about orchard establishment that do not change over time. • Business Management ☐ Information about the business that typically applies to all orchards. • Orchard Practices ☐ Detailed orchard-specific farming practices. The “clone” feature can be used to copy Business Management and Orchard Practices from one orchard to another or from the past to the current assessment year. <i>In addition to knowledge of farming practices, you will also need the following numeric data for the year assessed:</i> ☐ Annual kernel yield (pounds/acre) averaged across varieties ☐ Annual total acre inches of water applied ☐ Annual totals of applied N-P-K ☐ Soil organic matter, if tested ☐ Number of removed/replanted acres

CASP Online System – Assessment Details

Subsection Content		What You Need
Orchard Setup	This section captures information about an orchard that does not change.	- Orchard name, county, size (acres), year planted, varieties, pre-plant and planting activities. - Business information - almond acres for the business, address, contact details (key contact; email; phone)
Business Management	Operations Management	Knowledge of how the business keeps up to date with legislation and regulations. Used to align CASP to external programs.
	Financial Management	Knowledge of methods and tools for making financial decisions on the farm, without numeric details.
	Energy Efficiency	Knowledge of general farm practices that relate to energy efficiency, without numeric details.
	Workplace Management	Knowledge of how employees and contractors are managed, including health and safety.
	Neighbors and Community	Knowledge of how the farm interacts with neighbors and the impact of the farm on the local community.
Orchard Practices	Irrigation Management	- Knowledge of how irrigation decisions are made on the farm and the tools used to make those decisions. - Knowledge about practices used on the farm related to water penetration and salinity.
	Nutrient and Soil Management	Knowledge of how decisions are made on the farm related to soil fertility, nutrient requirements, and nutrient management.
	Numeric - Yield, Water, and Soil	Requires numeric data, including: ☐ The average kernel yield across all varieties ☐ Annual total acre inches of irrigation water applied ☐ Annual totals of applied N-P-K ☐ Soil organic matter, if tested ☐ Removed or redeveloped orchard acreage
	Pest Management	- Knowledge of general pest management practices on the farm such as IPM, monitoring and strategy, efficacy and safety of control, and pest prevention. - Familiarity with your farm's management practices for specific pests (e.g., Navel Orangeworm (NOW), peach twig borer (PTB), web-spinning mites, San Jose Scale (SJS), ants, leaffooted bugs and stinkbugs, etc.).
	Ecosystem Management	Knowledge of the ecosystem features (e.g., water bodies) as well as activities taken at the orchard to promote biodiversity and protect habitat.
	Bee Health and Pollination	Knowledge of practices implemented on the farm related to bees and pollinators, including arrangements with beekeepers.
	Energy Efficiency and Air Quality	- Knowledge of orchard practices that relate to energy efficiency. - Knowledge of the practices affecting air quality, including those used to reduce harvest dust.

Nitrogen Tool	To use the tool to recommend the amount of nitrogen to apply the following data is needed: - Yield (kernel pounds/acre) ☐ Predicted yield and/or prior yield - Water test results (if irrigating with ground water): ☐ Estimate total season irrigation (acre-in) ☐ PPM of NO₃ or NO₃-N from water test - Compost or manure application information: ☐ Type and seasonal total (tons/acre) ☐ % N (compost) ☐ Other N-Credits (lbs N/Acre) if applicable - Fertilizer application details: ☐ Product name ☐ Product nutrient composition if not pre-listed ☐ Product rate/acre ☐ Application date (optional) ☐ Application method - Leaf tissue sampling results: ☐ Predicted July %N or April Leaf Values for %N, %K, B ppm, %Ca, and %Mg - Water Coalition Information (Optional): ☐ Member ID and Name ☐ Vulnerability status ☐ APN(s)
Irrigation Tool	To use the tool to calculate weekly recommended run times, the following data is needed: - Weather Data Setup: ☐ Orchard location and ZIP Code - Orchard Setup: ☐ Row Spacing and Tree Spacing (feet) ☐ Orchard Canopy Cover at midseason at mid-day ☐ Soil Texture ☐ Effective Rooting Depth (feet) ☐ Irrigation System Subsurface Wetted Volume as % of orchard area - Irrigation System Setup: ☐ Week to start accumulating ET ☐ System Type (drip, micro-sprinkler, sprinkler) ☐ System details (e.g., emitter rate, distribution uniformity) - Weekly data (optional): ☐ Irrigation system run times ☐ User override of precipitation and/or soil moisture ☐ Observations of tree stress
INMP Tool	To use the Irrigation and Nitrogen Management Plan (INMP) Tool and create an INMP Worksheet and/or Summary Report for ILRP reporting, the following data is needed: - Coalition Profile ☐ Member ID, Member Name and Statistical Outlier Status - Parcel Management information ☐ APN(s), County, Crop Age and Irrigated Acres - Irrigation Management ☐ Method, Pre-Season Planning and Efficiency Practices - Harvest/Yield Information ☐ Expected and Actual Yield and Notes - Nitrogen Management ☐ Pre-Season Planning and Actual Nitrogen Applications and Efficiency Practices - Certification Details ☐ Specialist or Self-Certified <i>Note: Some data for the INMP Tool can be imported from the Nitrogen Tool or from Orchard Setup.</i>
Map Tool	To use the map tool and create an ILRP compliance map or associate orchards to their APNs, the following data is needed: - Location of orchards and related features such as APNs, wells, etc. - The system uses Google Maps within CASP to allow users to draw and label shapes and points.