



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	<p>The section includes information about users:</p> <ul style="list-style-type: none"><input type="radio"/> Name<input type="radio"/> Contact details (email; phone; address)
Orchard Assessment Overview	<p>CASP documents your practices while providing an opportunity to learn more about practical, efficient, and sustainable farming approaches.</p> <p>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</p> <p>To complete an assessment, answer all of the applicable questions and then submit those responses. Assessments are retrospective. The 2023 crop year opened November 2023 and will close in October 2024. The 2023 crop year covers almonds harvested in 2023.</p> <p>The assessment consists of three main sections:</p> <ul style="list-style-type: none">• Orchard Setup<ul style="list-style-type: none">○ Features of an orchard and details about orchard establishment that do not change over time.• Business Management<ul style="list-style-type: none">○ Information about the business that typically applies to all orchards.• Orchard Practices<ul style="list-style-type: none">○ Detailed orchard-specific farming practices. <p>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.</p> <div data-bbox="959 1262 1524 1787" style="border: 1px solid black; padding: 5px;"><p><i>In addition to knowledge of farming practices, you will also need the following numeric data for the year assessed:</i></p><ul style="list-style-type: none"><input type="radio"/> Annual kernel yield (pounds/acre) averaged across varieties<input type="radio"/> Annual total acre inches of water applied<input type="radio"/> Annual totals of applied N-P-K<input type="radio"/> Soil organic matter, if tested<input type="radio"/> Number of removed/replanted acres</div>

CASP Online System – Assessment Details

Subsection Content		What You Need
Orchard Setup	This section captures information about an orchard that does not change.	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Knowledge of how the business keeps up to date with legislation and regulations. Used to align CASP to external programs.
	Financial Management	<ul style="list-style-type: none"> Knowledge of methods and tools for making financial decisions on the farm, without numeric details.
	Energy Efficiency	<ul style="list-style-type: none"> Knowledge of general farm practices that relate to energy efficiency, without numeric details.
	Workplace Management	<ul style="list-style-type: none"> Knowledge of how employees and contractors are managed, including health and safety.
	Neighbors and Community	<ul style="list-style-type: none"> Knowledge of how the farm interacts with neighbors and the impact of the farm on the local community.
Orchard Practices	Irrigation Management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Knowledge of how decisions are made on the farm related to soil fertility, nutrient requirements, and nutrient management.
	Numeric - Yield, Water, and Soil	<p>Requires numeric data, including:</p> <ul style="list-style-type: none"> <input type="radio"/> The average kernel yield across all varieties <input type="radio"/> Annual total acre inches of irrigation water applied <input type="radio"/> Annual totals of applied N-P-K <input type="radio"/> Soil organic matter, if tested <input type="radio"/> Removed or redeveloped orchard acreage
	Pest Management	<ul style="list-style-type: none"> 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, leaf-footed bugs and stinkbugs, etc.).
	Ecosystem Management	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Knowledge of practices implemented on the farm related to bees and pollinators, including arrangements with beekeepers.
	Energy Efficiency and Air Quality	<ul style="list-style-type: none"> Knowledge of orchard practices that relate to energy efficiency. Knowledge of the practices affecting air quality, including those used to reduce harvest dust.

<p>Nitrogen Tool</p>	<p>To use the tool to recommend the amount of nitrogen to apply the following data is needed:</p> <ul style="list-style-type: none"> • Yield (kernel pounds/acre) <ul style="list-style-type: none"> <input type="radio"/> Predicted yield and/or prior yield • Water test results (if irrigating with ground water): <ul style="list-style-type: none"> <input type="radio"/> Estimate total season irrigation (acre-in) <input type="radio"/> PPM of NO₃ or NO₃-N from water test • Compost or manure application information: <ul style="list-style-type: none"> <input type="radio"/> Type and seasonal total (tons/acre) <input type="radio"/> % N (compost) <input type="radio"/> Other N-Credits (lbs N/Acre) if applicable • Fertilizer application details: <ul style="list-style-type: none"> <input type="radio"/> Product name <input type="radio"/> Product nutrient composition if not pre-listed <input type="radio"/> Product rate/acre <input type="radio"/> Application date (optional) <input type="radio"/> Application method • Leaf tissue sampling results: <ul style="list-style-type: none"> <input type="radio"/> Predicted July %N or April Leaf Values for %N, %K, B ppm, %Ca, and %Mg • Water Coalition Information (Optional): <ul style="list-style-type: none"> <input type="radio"/> Member ID and Name <input type="radio"/> Vulnerability status <input type="radio"/> APN(s)
<p>Irrigation Tool</p>	<p>To use the tool to calculate weekly recommended run times, the following data is needed:</p> <ul style="list-style-type: none"> • Weather Data Setup: <ul style="list-style-type: none"> <input type="radio"/> Orchard location and ZIP Code • Orchard Setup: <ul style="list-style-type: none"> <input type="radio"/> Row Spacing and Tree Spacing (feet) <input type="radio"/> Orchard Canopy Cover at midseason at mid-day <input type="radio"/> Soil Texture <input type="radio"/> Effective Rooting Depth (feet) <input type="radio"/> Irrigation System Subsurface Wetted Volume as % of orchard area • Irrigation System Setup: <ul style="list-style-type: none"> <input type="radio"/> Week to start accumulating ET <input type="radio"/> System Type (drip, micro-sprinkler, sprinkler) <input type="radio"/> System details (e.g., emitter rate, distribution uniformity) • Weekly data (optional): <ul style="list-style-type: none"> <input type="radio"/> Irrigation system run times <input type="radio"/> User override of precipitation and/or soil moisture <input type="radio"/> Observations of tree stress
<p>INMP Tool</p>	<p>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:</p> <ul style="list-style-type: none"> • Coalition Profile <ul style="list-style-type: none"> <input type="radio"/> Member ID, Member Name and Statistical Outlier Status • Parcel Management information <ul style="list-style-type: none"> <input type="radio"/> APN(s), County, Crop Age and Irrigated Acres • Irrigation Management <ul style="list-style-type: none"> <input type="radio"/> Method, Pre-Season Planning and Efficiency Practices • Harvest/Yield Information <ul style="list-style-type: none"> <input type="radio"/> Expected and Actual Yield and Notes • Nitrogen Management <ul style="list-style-type: none"> <input type="radio"/> Pre-Season Planning and Actual Nitrogen Applications and Efficiency Practices • Certification Details <ul style="list-style-type: none"> <input type="radio"/> Specialist or Self-Certified <p><i>Note: Some data for the INMP Tool can be imported from the Nitrogen Tool or from Orchard Setup.</i></p>
<p>Map Tool</p>	<p>To use the map tool and create an ILRP compliance map or associate orchards to their APNs, the following data is needed:</p> <ul style="list-style-type: none"> • 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.