

Our Own Tools & Data

From The Agriculture Resource Library at openagriculturetechnology.com/resources/collection/

22 entries

RESOURCE	WHAT IT IS	WHAT YOU GET
ALiSEA Knowledge Hub on Agroecology in Southeast Asia https://kh.ali-sea.org/	An open-access library from a Southeast Asian agroecology network. It collects practical guides, farm case studies, research and policy papers, and data visualizations on agroecology and sustainable food systems in the region.	Free, field-based guidance and case studies on agroecological practices from Southeast Asian farms, with the research behind them.
Calculators: Air, climate & CO2 (11) https://openagriculturetechnology.com/library/	11 free tools for air, climate & co2, including Air Exchange Rate Calculator (ACH), Climate Zone Classifier, CO ₂ Enrichment Calculator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Bees & pollinators (7) https://openagriculturetechnology.com/library/	7 free tools for bees & pollinators, including Apiary Site Survey, Bee Disease & Pest Reference, Bee Forage Selector.	Pick the tool shaped like your question and run it in the browser.
Calculators: Business, energy & compliance (7) https://openagriculturetechnology.com/library/	7 free tools for business, energy & compliance, including Cultivation Carbon Footprint Estimator, Compliance Readiness Checker, Cycle Cost-of-Goods-Sold Calculator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Crops & cultivars (5) https://openagriculturetechnology.com/library/	5 free tools for crops & cultivars, including Crop Risk Assessment, Cultivar Browser, Disease Resistance Lookup.	Pick the tool shaped like your question and run it in the browser.
Calculators: Field, beds & planting (14) https://openagriculturetechnology.com/library/	14 free tools for field, beds & planting, including Companion Planting Reference, Cover Crop Selector, Field Border / Hedgerow Designer.	Pick the tool shaped like your question and run it in the browser.
Calculators: Light & photoperiod (13) https://openagriculturetechnology.com/library/	13 free tools for light & photoperiod, including Cost-per-DLI Calculator, Daylight Calculator, Day/Night DIF Designer.	Pick the tool shaped like your question and run it in the browser.
Calculators: Livestock & pasture (9) https://openagriculturetechnology.com/library/	9 free tools for livestock & pasture, including Animal Birth & Hatch Calendar, Brooder & Hatchery Calculator, Egg Production Estimator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Mushrooms & aquaculture (5) https://openagriculturetechnology.com/library/	5 free tools for mushrooms & aquaculture, including Aquaculture Tank Calculator, Aquaponic Stocking Density Calculator, Mushroom Grain Spawn Recipe Calculator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Plant health & IPM (4) https://openagriculturetechnology.com/library/	4 free tools for plant health & ipm, including IPM Beneficial Insect Selector, Pathogen Pressure Forecast, Pest & Disease Identification Guide.	Pick the tool shaped like your question and run it in the browser.

Calculators: Post-harvest (3) https://openagriculturetechnology.com/library/	3 free tools for post-harvest, including Drying & Curing Schedule Designer, Drying & Curing Yield Loss Calculator, Winter Storage Calculator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Sensors & monitoring (3) https://openagriculturetechnology.com/library/	3 free tools for sensors & monitoring, including Camera Resolution Calculator, Hardware Build Configs, Sensor Comparison.	Pick the tool shaped like your question and run it in the browser.
Calculators: Specialty crops (6) https://openagriculturetechnology.com/library/	6 free tools for specialty crops, including Cut Flower Production Math, Hop Trellis Planner, Maple Syrup Production Estimator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Structures, greenhouse & energy (21) https://openagriculturetechnology.com/library/	21 free tools for structures, greenhouse & energy, including Battery Bank Sizing Calculator, Grow Room Capacity Calculator, Composting Toilet & Humanure Designer.	Pick the tool shaped like your question and run it in the browser.
Calculators: Substrate & soil (12) https://openagriculturetechnology.com/library/	12 free tools for substrate & soil, including Soil Amendment Calculator, Compost C, Compost Pile Sizing Calculator.	Pick the tool shaped like your question and run it in the browser.
Calculators: Uncategorized (1) https://openagriculturetechnology.com/library/	1 free tools for uncategorized, including tier-assessment.	Pick the tool shaped like your question and run it in the browser.
Calculators: Water, nutrients & feed (13) https://openagriculturetechnology.com/library/	13 free tools for water, nutrients & feed, including Brix Refractometer Guide, Tank-Mix Compatibility Checker, Compound Lookup.	Pick the tool shaped like your question and run it in the browser.
Grow Recipes (oat-recipe standard) https://openagriculturetechnology.com/recipes/	Machine-readable grow recipes: targets by crop and stage in an open format, with a public standard behind them.	Setpoints you can load, compare, and argue with, instead of folklore.
OAT Sketches (open firmware) https://openagriculturetechnology.com/build/sketches/	Free, open firmware for cheap sensors: flash an ESP32 from the browser and it reads probes and reports to a place you own. Source is public on GitHub.	The build-one-tonight software, tested on the bench and in the field.
The Calculators (134 free tools) https://openagriculturetechnology.com/library/	134 free calculators built by the collective: VPD, nutrients, lighting, structures, livestock, bees, and more. Every one runs in the browser and can be embedded on your own site.	Run the numbers on nearly any growing question without a spreadsheet or a subscription.
The OAT Ag Atlas https://openagriculturetechnology.com/atlas/	A national directory of the places of American agriculture: farmers markets, agritourism, CSAs, food hubs, on-farm markets, processors, with county profiles built on the USDA census.	Find the ag places near you, or claim your own listing and control how it shows.
The oat-ods data schema https://openagriculturetechnology.com/standard/	An open data schema for grower observations, so readings mean the same thing across tools. Published with a developer reference and compatibility notes.	A common shape for your data that no vendor can take away.

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