Israel Ag & CleanTech Directory 2026

IACI

Ohio Israel Ag & CleanTech Initiative

ohioisrael.org

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A message from the Ohio-Israel Ag & CleanTech Initiative

Dear Friends and Colleagues,

For more than twenty years the Ohio-Israel Ag & CleanTech Initiative (OIACI) has helped farmers across Ohio connect with proven Israeli Ag technologies.

This directory is designed as a problem-solving toolbox. If your priority is yield loss from changing weather, soil health and nutrient runoff challenges, pest pressure, disease, and scouting limitations, or any of the other needs outlined in the table of contents, you will find Israeli solutions that have already proven themselves under demanding field conditions. Each company profile offers a concise description of its core capability and contact information, making it easy for you to assess fit and start a focused discussion with our team.

When a technology looks promising, we can help structure and fund a pilot, provide technical guidance, and gather decision-ready performance data. Pilots lower risk for farmers, and when they succeed they often expand into local production, service contracts, and new jobs, creating tangible economic value for Ohio. We invite you to explore the pages ahead, identify the tools that address your challenges, and partner with us to turn ideas into action.

Best Regards,

OIACI Team

bestree.io

Bestree solves one of agriculture's most persistent challenges: how to reliably propagate hard-to-root plants at commercial scale. The company developed and refined a proprietary tissue culture platform capable of producing clean, uniform, and disease-free avocado rootstocks – year-round, and at scale. Bestree is redefining what's possible in plant propagation – combining scientific precision with commercial scale, and opening the door to healthier, more profitable orchards worldwide..

freezem.com

FreezeM was founded with the aim of unlocking the potential of insects to address sustainability challenges, such as waste reduction and food production. Their mission is to overcome barriers hindering industry progress and accessibility by revolutionizing Black Soldier Fly (BSF) breeding technologies.

groundworkbioag.com

Groundwork BioAg produces Rootella®, a concentrated mycorrhizal inoculant that improves crop uptake of nutrients and water. Its Rootella Carbon™ program enables farmers to generate carbon credits by sequestering CO_2 in soils at scale.

netafim.com

Netafim's Mega-PULSAR irrigation system shields orchards from extreme heat events. By pulsing fine droplets onto trees during heat waves, it reduces crop loss and enhances resilience to climate change.

origeneseeds.com

Origene Seeds develops hybrid vegetable seeds with improved resilience to heat, drought, and disease. By focusing on traits important for climate adaptation, Origene helps growers maintain yields under changing conditions.

planetwatchers.com

PlanetWatchers provides satellite-based analytics for monitoring land use and crop health. Its services support insurers, lenders, and growers with data to verify sustainable practices and climate-smart agriculture.

treetoscope.com

Treetoscope uses sensors that measure the actual water consumption of individual trees and plants. This data helps farmers manage irrigation precisely, saving water and improving yields while supporting sustainable resource use.

agripass.co

Agripass has developed the RHIC, Robot of Human Inspired Cultivation, which replicates expert-level selective and adaptive weeding. Its Advanced AI adapts to different crops, row spacing, and field layouts and delivers the precision of an experienced farm hand with the speed of a robot, while reducing labor & chemical costs.

arugga.com

Arugga AI Farming develops autonomous ground robots that replicate buzz pollination in greenhouse tomatoes, using vision and AI to vibrate each flower at the right moment. The units begin working immediately, can add tasks such as stem lowering and data collection, and free growers from managing bumble bee hives.

ffrobotics.com

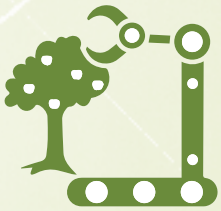
FFRobotics offers a multi arm harvesting platform that mimics the human hand to pick apples, pears, and other tree fruit gently and bruise free. The robot eases seasonal labor pressure, operates day or night, and packs fruit directly into bins.

lahakx.com

LahakX offers a modular fleet of autonomous drones for spraying, enabling both spot spraying and conventional broadcast spraying applications. We serve growers and applicators who demand higher standards in terms of cost, accuracy, availability, and safety.

metomotion.com

Metomotion supplies the GRoW robot, an indoor harvesting worker that identifies ripe greenhouse tomatoes, picks them, and packs boxes along the row. The modular platform keeps labor steady and gathers yield data without interrupting production.



nanovel.ag

Nanovel is developing a telescopic, multi arm robot that detects, selects, and picks citrus and other tree fruit deep inside dense canopies using AI vision. Early pilots show market grade picks and faster cycles than human crews.

tevel-tech.com

Tevel Aerobotics uses tethered flying robots that pick fruit with gentle suction grippers guided by AI and computer vision, coordinating with a ground vehicle for bin management. The aerial approach reaches high branches without ladders and works nights for faster harvest completion.

agro-scout.com

AgroScout turns off the shelf drones into autonomous scouts that shoot leaf level photos and upload them to an AI cloud tagging pests and stand counts. Heat map reports arrive within hours, enabling early, cost effective treatments.

greeneye.ag

Greeneye Technology retrofits row crop sprayers with cameras and edge AI that spot weeds in real time and trigger nozzle by nozzle herbicide shots only where needed. Field trials show major chemical savings and slower resistance build up.

growdirector.com

GrowDirector developes greenhouse control systems for climate control, irrigation and fertigation, water quality and sensor monitoring. Their solutions deliver total operational control through proven, industrial-grade automation with zero downtime. AI-powered intelligence turns greenhouse operation into a predictive, self-optimizing system, protecting performance today and future-proofing your growth.

proscout.ai

ProScout is an AI & computer vision company, optimizing spraying process within indoor agriculture through Advanced precision spraying. Using their BAR system, you get precise and consistent spraying across your fields reducing chemical waste & improving results. The system helps you save on pesticides, labor, and time and enables better pest control — allowing farmers to focus resources on solving real agricultural challenges.

roboticperception.com

Robotic Perception is creating an autonomous electric platform that can carry sprayer, mower, or tool modules while surveying crops for stress, irrigation needs, and disease. By combining mobility with computer vision, it aims to cut chemical use and labor in vineyards and specialty fields.

seetree.ai

SeeTree combines drone and rover imagery with lidar to create a digital record for every tree in an orchard. The platform flags weak blocks, pest hot spots and yield potential tree by tree, guiding targeted pruning and nutrition. Orchard managers gain clearer replant plans and faster ROI.

solarwine.ai

Solarwine revolutionizes viticulture with patented agrivoltaic canopy systems that enable PV installation without disrupting mechanical harvesting. Solarwine's AI-driven platform provides real-time analytics and insights, enhancing decision-making for optimal vineyard management. Solarwine supports vineyard owners in boosting crop yield, reducing costs, and embracing sustainable practices.

taranis.com

Taranis captures ultra high resolution aerial images, then uses AI to pinpoint weeds, disease and nutrient gaps at leaf level across thousands of acres. Advisors receive ranked scouting tasks and variable rate prescriptions, compressing spray windows and protecting yields for grain growers facing tight weather.

tobe.green

Tobe offers the world's first practical, viable, and cost-effective solution to the most critical challenge facing bees and beekeeping today - the phenomenon of disappearing bees. Their HiveMaster is a proactive precision beekeeping platform that enables beekeepers to remotely monitor their hives, receive AI-powered treatment recommendations, and implement treatment protocols from anywhere.

yieldsapp.com

yieldsApp provides AI-powered precision agronomy tools for crop monitoring, irrigation, fertilizer, and pesticide management. Its real-time insights help growers optimize inputs, improve decisions, and increase profitability.

afimilk.com

Afimilk is a global leader in dairy herd management and milking technology. Its sensors and software track cow health, fertility, and production, enabling early disease detection and higher milk yields with reduced costs.

armentavet.com

Armenta develops a non-antibiotic treatment for mastitis in dairy cows using acoustic pulse therapy. This technology helps farmers reduce reliance on antibiotics, improve animal welfare, and limit milk losses from infected cows.

linoktech.com

Linok produces plug-and-play IoT sensors for real-time monitoring of milk quality and herd health. Their system detects subclinical conditions such as mastitis by analyzing milk's physical properties, delivering lab-grade nutrient data and early alerts to farmers during milking. By enabling precision management, Linok helps improve milk quality, reduce veterinary costs, and curb antibiotic use with actionable, data-driven insights

sion-israel.com

SION specializes in cattle genetics and artificial insemination services, focusing on Holstein cows. Its breeding programs emphasize milk yield, fertility, and herd longevity, supporting the productivity of Israel's and other countries' dairy industries..

vetreat.vet

Vetreat provides an autonomous, needle-free injection system for cattle. The system consists of six pneumatic injectors, operated by AI and location control, assuring effective immunity in a fast and continuous action, while reducing stress and injury for the animals. The animals are identified and the data of each animal is stored so that they receive exactly what they need.

Acclym is a digital platform that connects data from the field to the boardroom, enabling better risk management across the food supply chain. Its tools support yield forecasting, traceability, and compliance for growers and buyers.

acclym.com

Evigence's freshness monitoring solutions integrate into logistics chains to give real-time visibility of product quality. By providing accurate shelf-life data, it allows distributors and retailers to optimize inventory and reduce waste.

evigence.com

MyCrops provides a real-time crop monitoring and management platform. By integrating data from multiple sources, it delivers growers actionable insights to optimize production and meet supply chain demands.

mycrops.ag

Wiliot produces battery-free IoT tags that track perishable goods through the supply chain. The tags provide continuous temperature and location data, improving traceability and helping reduce losses from spoilage.

wiliot.com

drygair.com

DryGair develops and markets efficient and environmentally friendly dehumidification solutions and humidity monitoring for horticultural and agricultural greenhouses. DryGair's solutions reduce energy consumption and costs, and improve the environmental footprint of the greenhouses. They also help prevent common diseases, improve crop quality and yields, and reduce CO2 waste.

growin.ag

Growin develops plug-and-play vertical farming units designed for local food production. By combining automation and smart farm management, it helps retailers and institutions grow fresh produce on-site with minimal labor.

netafim.com

Netafim pioneered drip irrigation and now provides precision water delivery systems for greenhouses and vertical farms. Its solutions allow growers to maintain consistent yields while saving water and nutrients.

taranis.com

Taranis uses AI and ultra-high-resolution imagery to provide early detection of crop stress and pests. Its insights can be integrated into greenhouse and indoor operations to improve monitoring and reduce chemical usage.

verticalfield.com

Vertical Field builds modular vertical farms for urban and peri-urban areas. Its proprietary growth protocols and controlled environment systems allow for pesticide-free production of fresh greens close to consumers year-round.

agrinoze.com

Agrinoze provides autonomous irrigation-fertigation platform that profiles each soil zone and adjusts water and nutrients in real time, boosting yields while cutting resource use.

cropx.com

CropX provides wireless multi-depth soil probes combine with weather and satellite data to deliver daily irrigation and nutrient prescriptions, saving growers roughly 20 percent water on average.

odisfiltering.com

Odis Filters provides advanced, low-maintenance water treatment and filtration solutions for agriculture, municipalities, and industry. Its systems include automatic filtration, irrigation treatment, wastewater reuse, and desalination—helping reduce costs and maximize water efficiency.

phytech.com/manna

Manna supplies satellite imagery and proprietary models generate pixel-level irrigation recommendations and can link to pump or valve controls to automate execution.

solidrip.com

SoliDrip manufactures passive irrigation lines that lets each plant self-regulate flow along a single tube, enabling rooftops and vertical landscapes to thrive with up to 60 percent less water.

tensiograph.com

Mottes Tensiometers are manufacturers of high quality, connected tensiometers to log soil-water tension and temperature, giving consultants live data to fine-tune irrigation schedules remotely.

yeap-proteins.com

YEAP is the world's first company to produce protein fromyeast, using a circular economy model. Yeast proteins are the best nutritional proteins. They don't require extensive agriculture land usage, are resilient to extreme climate events and have no production limits

clarifresh.com

ClariFresh uses AI and smartphone imaging to standardize quality control for fruits and vegetables. The platform enables growers, packers, and retailers to grade produce quickly and consistently, reducing waste and ensuring better alignment with market demands.

evigence.com

Evigence provides real-time freshness sensors that monitor food quality throughout the supply chain. By tracking temperature and product condition, their system reduces waste, extends shelf life, and helps retailers make smarter decisions on distribution and display.

fungitbio.com

Fungit improves global food security by extending fruit & vegetable shelf life and improving crop yield, using fungal based micro-organisms as sustainable and effective biocontrol agents, protecting plants and crops against extreme weather conditions and prevent fungal diseases. Their solutions apply cutting edge microbiological, genome sequencing and bioinformatic approaches for development of our tailor made, proprietary biocontrol agents.

ripeguard.com

Ripe-Guard develops non-destructive shelf-life prediction tools for fresh produce. By giving retailers and suppliers accurate data on ripeness, the system helps match inventory to sales channels and significantly lowers shrinkage.

savefoods.co

SaveFoods offers post-harvest treatments that protect fresh produce from microbial spoilage and foodborne pathogens. Its natural formulations extend shelf life, reduce chemical use, and help packers deliver safer products to market.

stepac.com

StePac specializes in packaging solutions that control humidity and respiration of fresh produce. By extending shelf life during storage and transport, their materials cut losses and open new market opportunities for growers and distributors.

co-energy.energy

Co-Energy delivers modular, on-site waste-to-energy systems that convert agricultural and municipal waste into clean electricity, heat, or biofuels through a proprietary thermochemical process. Their scalable solutions help farms and communities reduce waste volumes, minimize logistic costs, and gain energy independence—all while cutting reliance on landfills. By turning organic waste into a resource, Co Energy supports circular and sustainable energy practices.