



ALBA™ - Ultra-High Precision Turf Sprayer

A new era in turf care is here. ALBA™ 225 is the first ultra-precise, AI-driven sprayer engineered to maintain flawless turf with minimal chemical use.

Precision in every drop. Excellence in every green.



Reduce Herbicide Use And Cost By Up To 95%

Broadcast sprayers waste product. Manual methods waste time. ALBA wastes neither.



Improve Turf Quality

Near-zero drift allows for stronger, more flexible treatments while protecting healthy turf.



Fast ROI on your Investment

See returns in as little as 18 months, based on acreage and turf condition.



Greener Course

Advance your environmental stewardship and align with elite tournament expectations.

Our Plant-by-Plant AI™ Magic



🕒 This process happens in a 1/4 second.

👁 Sense

ALBA's onboard cameras scan the turf in real-time.



Type of Grasses

- Bermudagrass
- Kentucky bluegrass
- Ryegrass
- Fescue
- Bentgrass
- Zoysiagrass
- and more...

🧠 Decide

Proprietary algorithms precisely identify weeds with sub-inch accuracy.



Weed Hit List

- Crabgrass
- Sedges
- Broadleaf weeds
- Poa annua
- Dallisgrass
- Goosegrass
- and more...

🚿 Act

The nozzles spray the targets while operating at speeds up to 4.4 mph.



Treatments

- Synthetic herbicides
- Organic herbicides
- Non-selective herbicides
- Local fertilization
- Fungicides
- Insecticides

Output

Delivers ultra-high precision with a 1.2 × 1.2-inch spot spray.



Results

- Up to 95% reduction in chemical use & costs.
- Healthy areas are not sprayed, improving turf density, resilience and growth.
- Reduces hand labor and manual weeding.

ALBA

Name Origin

[ALBA] is the historic Gaelic name for Scotland, the birthplace of golf. In Spanish and Italian, ALBA means sunrise. A symbol of new beginnings. We believe ALBA™ will shine a new dawn in Turf Management with extraordinary albatross-like performances, thanks to its ultra-high precision technology.



JAMES D. MCCURDY
 PHD Professor, Turfgrass Extension Specialist
 Department of Plant & Soil Sciences
 Mississippi State University

"ALBA represents a genuine step change in how we think about weed management in turfgrass systems. The ability to precisely target weeds while dramatically reducing non-target exposure opens new doors for both efficacy and stewardship. Our MSU Turf program is always interested in early evaluation and configuration of tools that challenge conventional approaches, and it has been exciting to see how this platform continues to evolve. The broader implications for sustainability, input optimization, and future use cases are exciting"

Spot Spraying the Size of a Golf Ball

WEED DETECTION SIZE

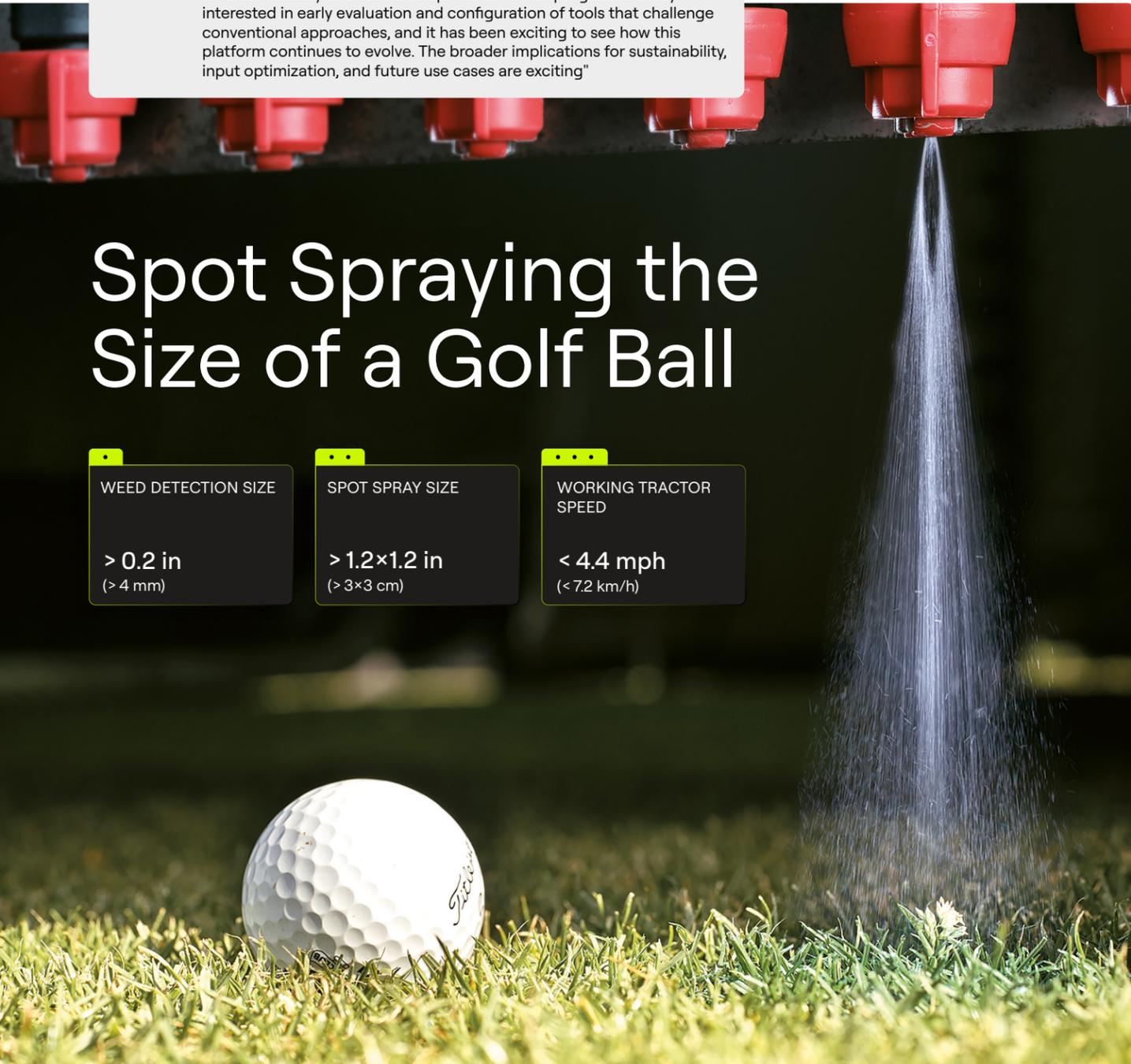
> 0.2 in
(> 4 mm)

SPOT SPRAY SIZE

> 1.2x1.2 in
(> 3x3 cm)

WORKING TRACTOR SPEED

< 4.4 mph
(< 7.2 km/h)



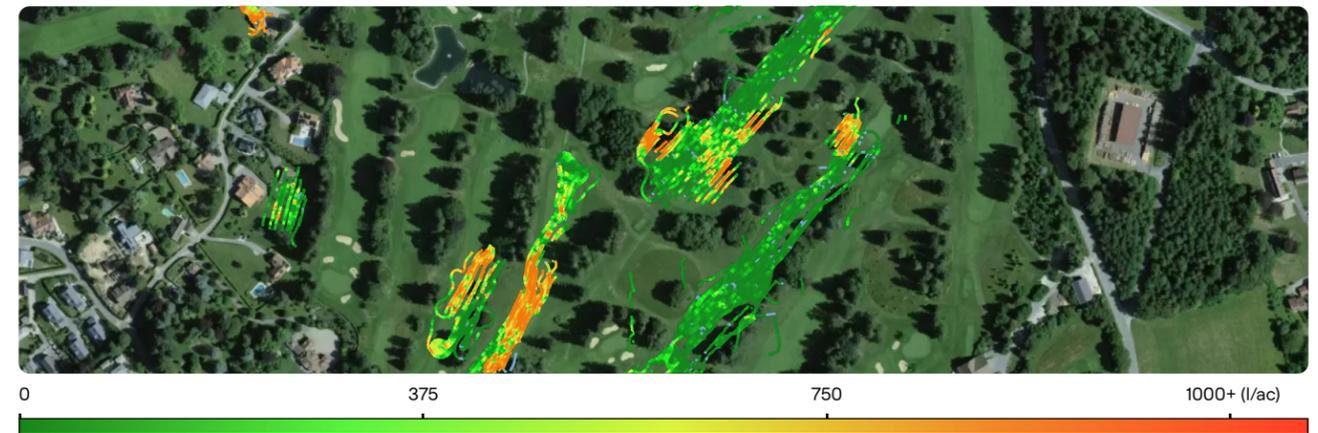
Ease of Use

By day or by night, ALBA™ attaches to any tractor (for example autonomous) and is controlled in a few clicks via tablet. Simply select the mission type. And ALBA does the rest. Speed and turns are automatically accounted for and dose control ensures stable spray concentration.



MyEcorobotix Cloud Platform & Mission Reports

Stay connected to your turf data. Our Cloud Platform centralizes all your data in one place. From live spraying information and planning tools to responsive support. After each mission, a detailed report is automatically generated, showing product usage, savings achieved, and as-applied heatmaps.



Spray Tracking with RTK GPS Technology

Today

Visualize as-applied heatmaps with 0.8 inch precision, thanks to RTK GPS. Easily identify weed pressure zones across every captured area.

Mid-2026 Software Update

Section control shows you where you've treated while you work and automatically deactivate nozzles to prevent overlap.

2027 Software Update

You'll be able to go even further and import these maps back into the machine to guide ultra-targeted pre-emergence or fungicide treatments.

Turf Spraying Technologies Benchmark

	Broadcast Sprayers	Smart Sprayers	Hand-Held / Spot Sprayers	ALBA™
Precision	No	No (=20x20in zones)	Low and inconsistent (=6x6in)	Ultra-High and pinpoint (1.2x1.2 in)
Reduction of phytotoxicity	No	No	Low	High, near-zero drift
Non-selective herbicides	No	No	No, risky	Yes, safe



Proud partners with



Jonathan Smith
Executive Director
GEO Sustainable Golf Foundation

"Around the world, golf is under increasing pressure to demonstrate the highest standards of responsible turf management. Facilities are looking for cost reductions, wise sustainable investments, and the ability to promote stewardship to regulators, golfers and communities. The Alba plays straight into this movement - helping course managers deliver new levels of precision and input reduction."

Sustainability – without sacrifice



What if the highest quality turf could be presented with dramatically reduced resources, costs and environmental risk?

At Ecorobotix, we help greenkeepers and course managers become recognised as responsible stewards of their landscapes and guardians of biodiversity.

Delivering solutions to golf's challenges

Availability of resources

Helping address costs and restrictions on plant protection products, water, fertilizers and labor

Playing quality expectations

Golfers continue to expect better-and-better year-round surfaces

Regulatory pressure

Meeting the need to demonstrate meaningful pesticide reduction

Image and reputation

Ability to demonstrate new levels of innovation and stewardship amongst local communities

Beyond Golf

Designed first for golf courses highest expectations, the ALBA also brings unmatched precision to other grass sectors.



Sod Farms



Professional Sport Clubs

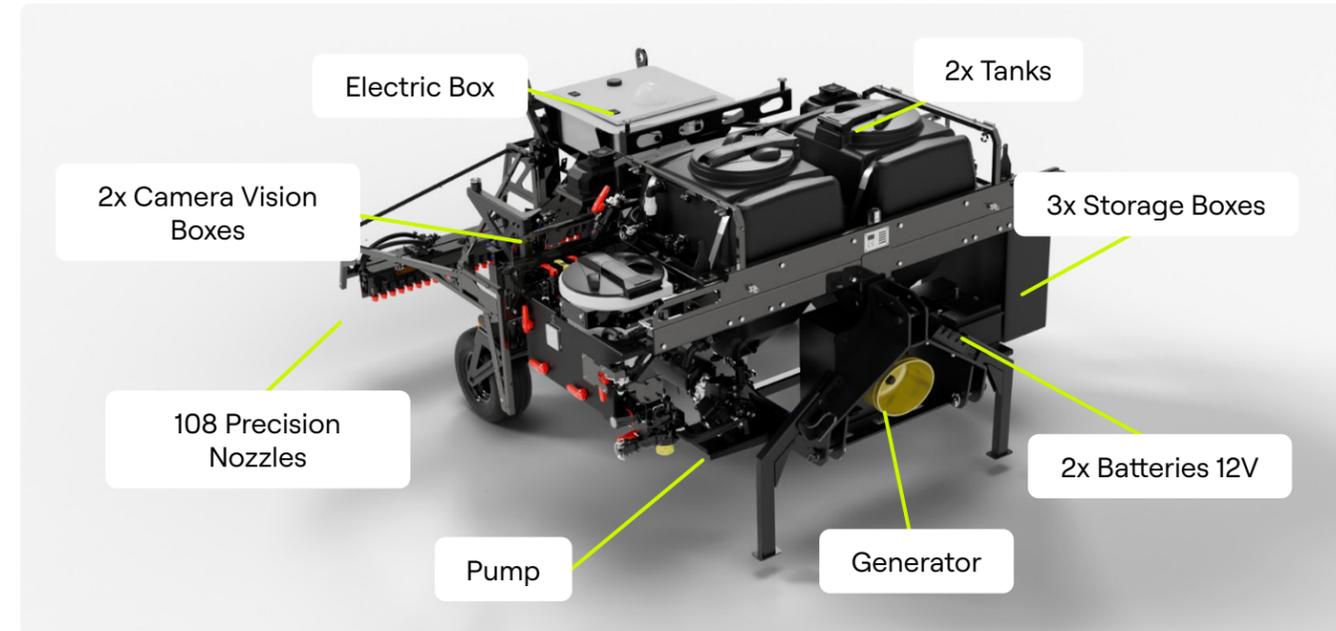


Municipalities & Urban Greenspaces



Hotels & Resorts

Technical Data



Speed	Up to 4.5 mph (7.2 km/h)
Working width	7.4 ft (2.26 m)
Area output	Up to 4 acres/h (1.6 ha/h)
Tank system	Two 37-gallon (140-liter) tanks—one for mixture, one for water—plus a gallon incorporator
Efficiency	Achieves up to 95% reduction in herbicide use and spray drift
Precision	High precision of 1.2 × 1.2 in (3 × 3 cm) spot spraying
Vision system	Real-time detection with two vision boxes, each equipped with a high resolution camera, 3D cameras, and an integrated onboard computer
Spraying system	Two booms with 54 high-performance nozzles, spaced 0.8 inches (2 cm) apart
Wheels	Positioned before booms to avoid treated areas
Dimensions	8.5 ft (2.6 m) width × 7 ft (2.2 m) length × 4 ft (1.2 m) height
Weight	1630 lbs (740 kg) empty tanks
Power supply	2x 12V batteries
Connections on the tractor	Standard 540 rpm Power Take-Off (PTO)
Nozzle rinsing	Complies with existing standards
Usage	Operated via the Ecorobotix app on the included tablet
Connection	Wi-Fi (short distance) or 3G/4G (long distance)

Specifications for information purposes only, subject to change without prior notice.

Global Turf & Crop Care By Ecorobotix

Originating in the agricultural sector, our products are already demonstrating huge success

KEY FIGURES

- 3 head offices
- 93 dealers in:
- 23 countries
- +3000 acres (+1200 hectares) treated **daily** with our machines during peak season in 2024



United States of America @
Ecorobotix INC
3030 Travel Plaza Way
Pasco, Washington 99301

Switzerland @
Ecorobotix SA
Rue Galilée 6
1400 Yverdon-les-Bains

Discover our three 'R's shaping the future.

Reduce

Minimize chemical inputs and operational costs with ultra-high precision spraying.

Replace

Swap harmful treatments for biodegradable alternatives.

Regenerate

Restore and enhance biodiversity.

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@ @ecorobotix.turf.alba

d @ecorobotix.turf.alba
in Ecorobotix
📺 Ecorobotix SA



A local distributor is likely closer than you think.
Get in touch to learn more!

turf.ecorobotix.com/contact

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