

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.



Decide

Proprietary algorithms precisely identify weeds with sub-inch accuracy.



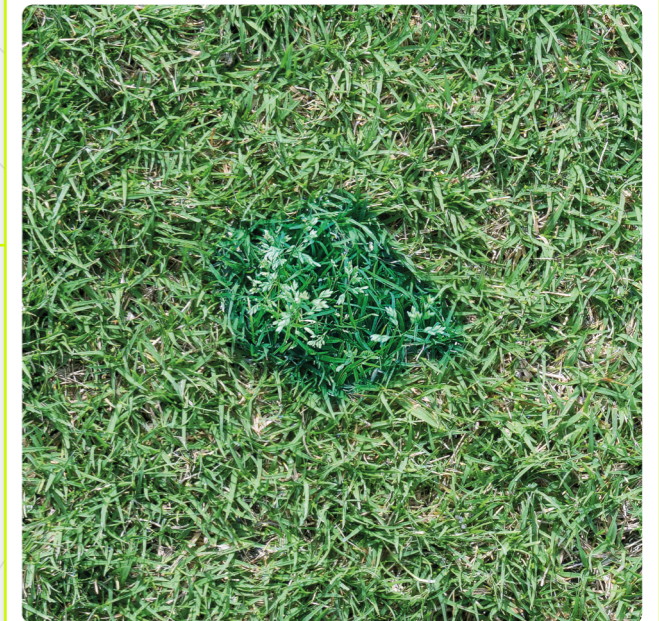
Act

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



Output

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



Type of Grasses

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

Weed Hit List

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

Treatments

- Selective and non-selective products
- Herbicides
- Fungicides, insecticides
- Liquid fertilizers, biostimulants
- Organic products

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-inch
(> 4 mm)

SPOT SPRAY SIZE

> 1.2×1.2 inch
(> 3×3 cm)

WORKING TRACTOR SPEED

< 4.4 mph
(< 7.2 km/h)



Turf Spraying Technologies Benchmark

	Broadcast Sprayers	Smart Sprayers	Hand-Held / Spot Sprayers	ALBA™
Precision	No	No (≈50×50cm zones)	Low and inconsistent (≈15×15cm)	Ultra-High and pinpoint (3×3cm)
Reduction of phytotoxicity	No	No	Low	High, near-zero drift
Non-selective herbicides	No	No	No, risky	Yes, safe

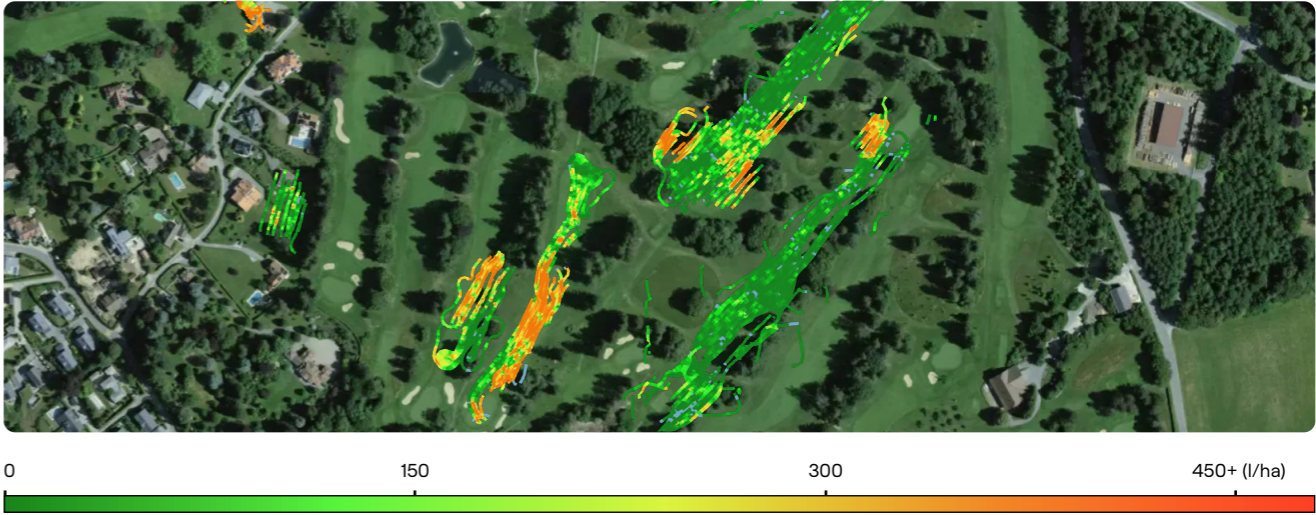
Ease of Use

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 2 cm 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.



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.

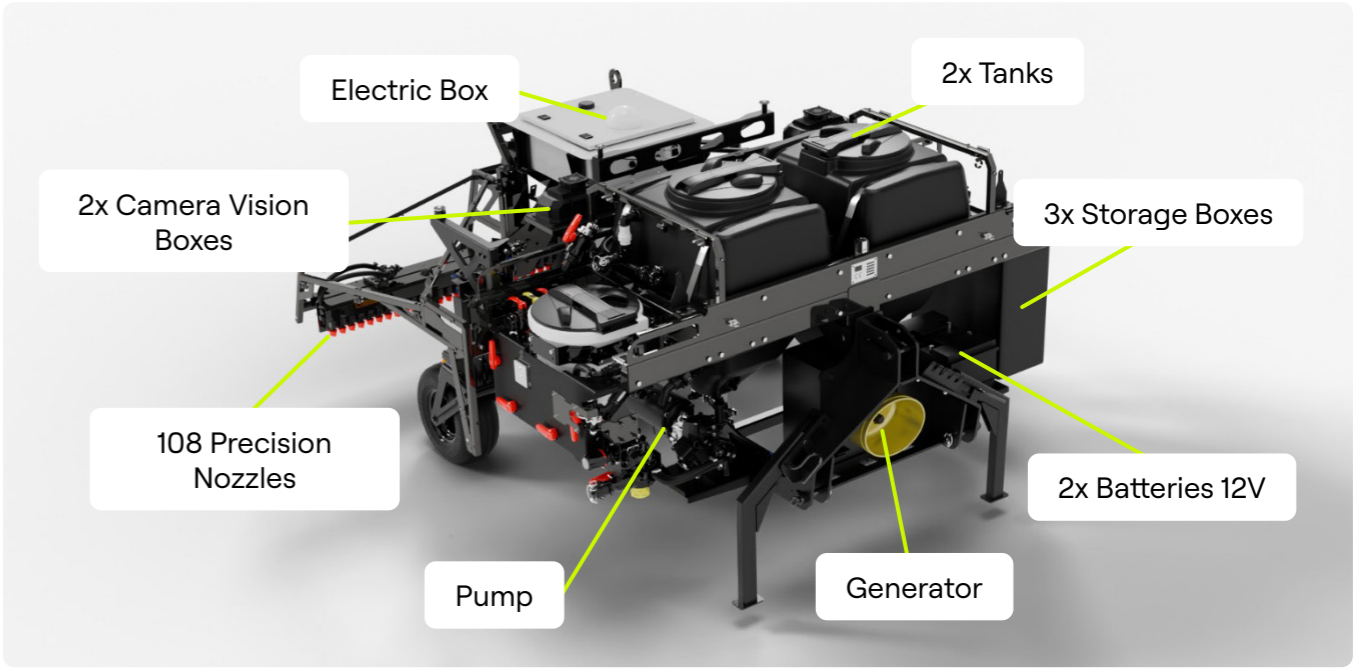
Proud partners with



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."

Technical Data



Speed	Up to 4.5 mph
Working width	7.4 ft
Area output	Up to 4 acres/h
Tank system	Two 37-gallon 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 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 apart
Wheels	Positioned before booms to avoid treated areas
Dimensions	8.5 ft width × 7 ft length × 4 ft height
Weight	740 kg tanks empty
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)

Beyond Golf

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



Sod Farms



Professional Sport Clubs



Municipalities & Urban Greenspaces



Hotels & Resorts

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
Y-Parc, 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.

Ecorobotix SA
CEI3
Rue Galilée 6
1400 Yverdon-les-Bains
Switzerland

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 Ecorobotix SA

Sustainable.Golf
DRIVE FURTHER

Certified

Corporation



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

turf.ecorobotix.com/contact