

Sustainability

Reduce Chemicals

Precision Spray Technology



Innovative Precision Spraying Solutions

We believe we can improve our environment and significantly reduce cost while still eliminating the weeds that are a nuisance and create safety issues.

AgTechLogic has the solution. We've developed smarter technology that can provide a sustainable/green solution that is highly accurate to combat weeds and overgrowing grass that need to be eradicated to avoid destruction to concrete, buildings, runways and to enhance views.

Sensor-Controlled Weed and Grass Management

Our current sensor-controlled weed management systems provide accurate detection and elimination with use of Chlorophyll Fluorescence. Future plans include combining advanced AI and robotics to improve existing systems.

Advanced sensor technology detects and sprays weeds, saving up to 90% on chemical usage. Combine that with the savings from fuel, time, and operational support and our ag technology becomes even more impactful!



With the cost of herbicides increasing as much as 240% in past year and continued shortages, conservation is more important than ever.

Changing the Future of Weed Management



We offer diverse solutions to bring an integrated approach to sustainable weed management. Data collection, water conservation and, automations are the driving forces of our commitment to bring new value today and into the future.

We are working on the next generation of spray technology that will combine advanced sensing, dynamic image recognition, artificial intelligence, and big data.

Accurate Weed Management Detection and Elimination



We deploy weed detection technology that applies chemicals only to the target area versus spraying continuously, integrating WEED-IT Technologies. Precision spot spraying implements intelligent sensors that sample the ground 40,000 times per second, searching for living plant matter up to speeds of 15mph. It uses blue LED-lighting and a dual core processor to increase the accuracy, efficiency, and communication speed of its sensors.

Weed Management Day or Night

Our technology is built for use both day and night, so growers are not limited to daylight hours for spraying. Most importantly, our technology can reduce the cost of weed management by up to 90%, providing farmers and growers a more regenerative and sustainable solution.



Our R&D teams are designing more cost-effective solutions, combining autonomous integrations and refined data collection, allowing you to prepare and predict land needs

Dual Spray



Our technology allows for two additional operating modes: dual spraying and cover mode. In dual spraying, you can apply low application rates (like 30 l/ha) full width and higher rates (like 100 l/ha) with just one spray line.

Broadcast Spray



Cover mode feature allows you to use while during weed and grass spraying. Your sprayer acts as a normal sprayer but with pulse width modulation (PW) to maintain the set spray rate independent to the operation speed and book movement.