



Bio-Based Broad-Spectrum Herbicide

Weed control is an important aspect of agriculture and landscaping, and herbicides are primary agents in weed management. Airable Research Lab has generated broad-spectrum herbicidal solutions for weed and cover-crop termination using naturally derived, renewable components. As the current herbicide market is expected to grow from the current \$40 billion to \$50 billion by 2027, the expansion of this marketplace offers numerous opportunities.

THE TECHNOLOGY

Airable has demonstrated a bio-based herbicide that is effective at “burn-down” of the most common grasses and weeds that are problematic for both farmers and homeowners. The product is a foliar-applied, biodegradable spray comprising naturally derived actives and soy-based adjuvants and emulsifiers. All the components are biodegradable by bacteria that occur naturally in dirt and therefore will not bio-accumulate in soils and waterways. In addition, the Airable product is a drop-in replacement for common herbicides, requiring no adjustments to existing farm and home equipment.

BENEFITS

- Bio-based products derived from 80%-100% renewable resources
- Rapid defoliation of grasses and broadleaf weeds
- Drop-in replacements for commercial herbicides used in existing farm and home equipment
- Potential use in organic farming, large agricultural plots, and home applications
- Projected global herbicide market of \$50 billion by 2027



Airable used naturally derived actives and soy-based emulsifiers and adjuvants to generate a foliar-applied herbicidal spray. The image on the right was taken 48 hours after applying the Airable product.

