THE FUTURE IS HERE
Rantizo System

Products

Drone

- DJI Aeras MG-1P
- Market leader in drone development
- Built for agricultural spraying
Rantizo System

Products

Drone + Spray Upgrade Kit

- 20’ swath width
- 2.7 gallon tank
- 14 acres/hour
- 3.5 acres/charge
Rantizo System

Products

- Drone
- Spray Upgrade Kit
- Mix & Fill Station

- Automates the refill process
- Reduces refill time and operator fatigue
- Improves productivity to 23 acres/hour
- The agility of the drone is extended to all aspects of chemical handling
Rantizo System

Products

- Drone
- Spray Upgrade Kit
- Mix & Fill Station
- Software Suite

- Desktop and mobile friendly interfaces
- Job scheduling and inventory tracking
- Back office and in-field status monitoring
- Job list and truck loading checklist
- Automated equipment configuration
- Invoicing and reporting
Rantizo System

Products

- Drone
- Spray Upgrade Kit
- Mix & Fill Station
- Software Suite
- Load & Go Trailer

- Custom applicators desire a full package
- Contains everything needed to spray
  - Generator
  - Water Tank
  - Mix & Fill
  - Workspace
- Observation deck enables more flights
Rantizo System

Products
- Drone
- Spray Upgrade Kit
- Mix & Fill Station
- Software Suite
- Load & Go Trailer

Services
- Training
Rantizo Support Portal

If you have a general question or need to order parts, please submit a request. If you are in a state of not being able to fly your craft to complete a job, please call us at 319-201-3020.

What can we help you with?

Submit a request

Need support or have questions? Let us know.
Rantizo System
Rantizo System

Products

Drone
Spray Upgrade Kit
Mix & Fill Station
Rantizo Software Suite
Load & Go Trailer

Services

Training
Support
Insurance & Billing
Optimization

14 ac/hr  20 ac/hr  30 ac/hr  40 ac/hr  100 ac/hr

Fully Autonomous
Productivity Gains

- **S1000**
- **AGRAS**
- **2nd Gen**
- **3rd Gen**

Productivity Gains = 200 Acres per Hour

- **Jan 19**: Mar 18 - Sep 21
- **Jul 20**: Jan 19 - Sep 21
- **Sep 21**: Jan 19 - Sep 21
- **Jan 22**: Jun 19 - Sep 21
- **Apr 22**: Jun 19 - Sep 21
- **Jun 22**: Jun 19 - Sep 21
- **Sep 22**: Jun 19 - Sep 21
- **Oct 22**: Jun 19 - Sep 21
- **Mar 23**: Jun 19 - Sep 21
- **Jun 23**: Jun 19 - Sep 21
- **Sep 23**: Jun 19 - Sep 21

**ACRES PER HOUR**

- **Single**
- **Upgrade Kit**
- **Swarm**
- **Mix & Fill**

- **Mar 18**: 3 Acres per Hour
- **Jan 19**: 5 Acres per Hour
- **Jun 19**: 14 Acres per Hour
- **Sep 19**: 18 Acres per Hour
- **Jan 20**: 30 Acres per Hour
- **Jun 20**: 21 Acres per Hour
- **Sep 20**: 50 Acres per Hour
- **Mar 21**: 60 Acres per Hour
- **Jun 21**: 70 Acres per Hour
- **Sep 21**: 80 Acres per Hour

* = 200 Acres per Hour
Rantizo vs. Ground Efficacy

Yield Average for All Individual Treatments (bu/ac)

64.1

66.5

67.0

IOWA SOYBEAN Association
Enhancing Ground Applications

Ground Acres - 775
Estimated Spray Days – 1.75

Ground Rig – 56 acres/hour
8-hour spray days
Enhancing Ground Applications

Ground Acres - 775
Additional Ground Acres - 379
Total Ground Acres - 1,154
Estimated Spray Days – 2.5

Ground Rig – 56 acres/hour
8-hour spray days
Enhancing Ground Applications

- **Ground Acres:** 775
- **Additional Ground Acres:** 379
- **Awkward Acres:** 144
- **Total Ground Acres:** 1,298
- **Estimated Spray Days:** 4.0

- **Ground Rig:** 56 acres/hour
  - 8-hour spray days
  - ½-hour awkward acre time
Enhancing Ground Applications

- **Ground Acres** - 1,154
- **Drone Acres** - 144
- **Total Acres** - 1,298

- **Estimated Spray Days** - 3.25
- **Increased Efficiency** - ~ .75 days

**Ground Rig** - 56 acres/hour
- 8-hour spray days
- ½-hour awkward acre time

**Drone Swarm** - 30 acres/hour

*slingshot* AgSync
Rantizo Uses

- Research Trials
- Fungicide
- Precision Nutrition
- Pollination
- Spot Spraying
- Cover Crop Seeding
- Burn Down
- Fence Rows and Waterways
- Awkward Acreage

230+ Trials
Rantizo Uses

- Research Trials
- Fungicide
- Precision Nutrition
- Pollination
- Spot Spraying
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- Burn Down
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Rantizo Uses

- **Research Trials**
- **Fungicide**
- **Precision Nutrition**
- **Pollination**
- **Spot Spraying**
- **Cover Crop Seeding**
- **Burn Down**
- **Fence Rows and Waterways**
- **Awkward Acreage**

The diagram shows the average bushel yield increase in soybeans compared to check areas. The treatment Water/NIS/Folia IQ Cu resulted in a 2.6% yield increase.
Current Performance

Month of July

- 9,795 acres
  - Top week: 3,314 acres
- 767 hours
  - Top week: 249 hours
- 11,370 flights
  - Top week: 3,731 flights
Where to Find Rantizo

@RantizoSprays
www.rantizo.com

#FlyAndApply