

MURST AG

The Power of Drones



BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

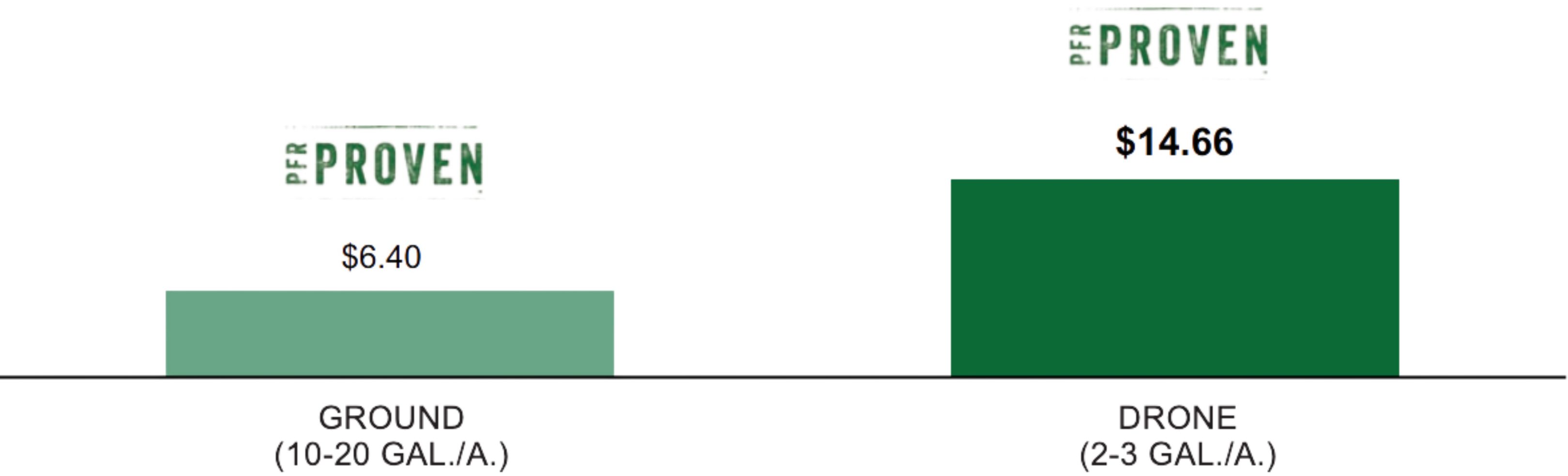
BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

2025 MULTI-LOCATION RESULTS

R1 TREATMENTS	APPLICATION METHOD & CARRIER RATE	PERCENT MOISTURE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control: No Fungicide	--	21.4	227.3	--	--
Fungicide	Ground (10-20 gal./A.)	22.1	235.2	+7.9	+\$9.14
	Drone (2-3 gal./A.)	22.2	236.9	+9.6	+\$16.65
Corn \$4.42/Bu. Fungicide Cost \$25.78/A. These results are based on the disclosed study parameters and participating sites.					

3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. DRONE RETURN ON INVESTMENT



MURST Ag Summary:

Research from Beck's Practical Farm Research continues to demonstrate the value of drone applications. In this multi-location fungicide study, drones delivered higher yields and nearly doubled the return on investment compared to ground applications. These results highlight the ability of drone technology to improve application performance while maximizing profitability for growers.

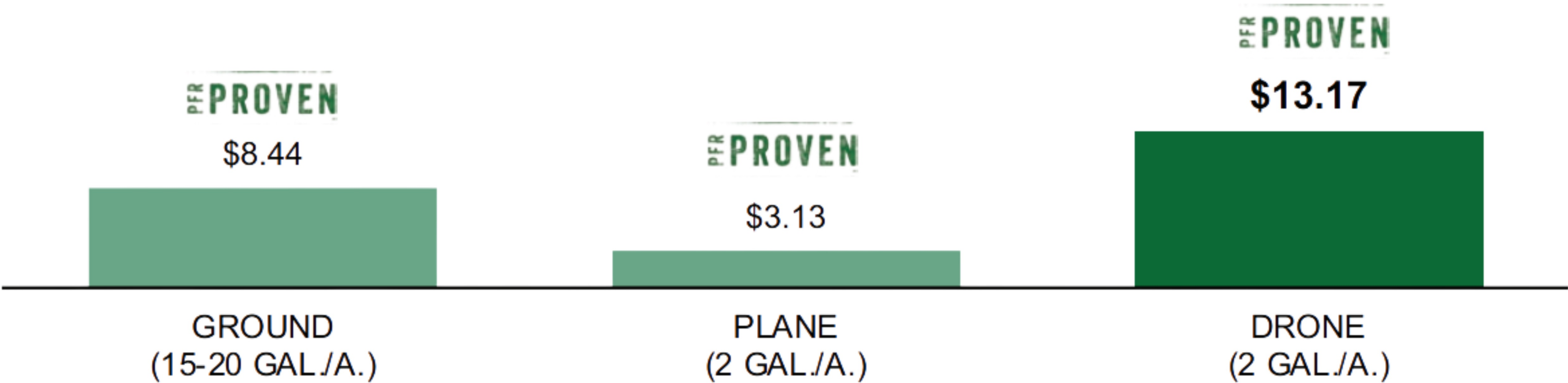
BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

2025 RESULTS

R1 TREATMENTS	APPLICATION METHOD	PERCENT MOISTURE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control: No Fungicide	--	16.5	236.1	--	--
Fungicide	Ground (15-20 gal./A.)	17.7	247.5	+11.4	+\$24.61
	Plane (2 gal./A.)	17.6	245.9	+9.8	+\$17.54
	Drone (2 gal./A.)	17.8	248.1	+12.0	+\$27.26
Corn \$4.42/Bu. Fungicide Cost \$25.78/A. These results are based on the disclosed study parameters and participating sites.					

3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. PLANE VS. DRONE ROI



MURST Ag Summary:

Beck's Practical Farm Research found that drone applications produced the highest yield response and greatest return on investment when compared to both ground rigs and traditional aerial applications. By combining precise product placement with effective canopy coverage, drone technology continues to prove its value as a profitable tool for modern crop protection.

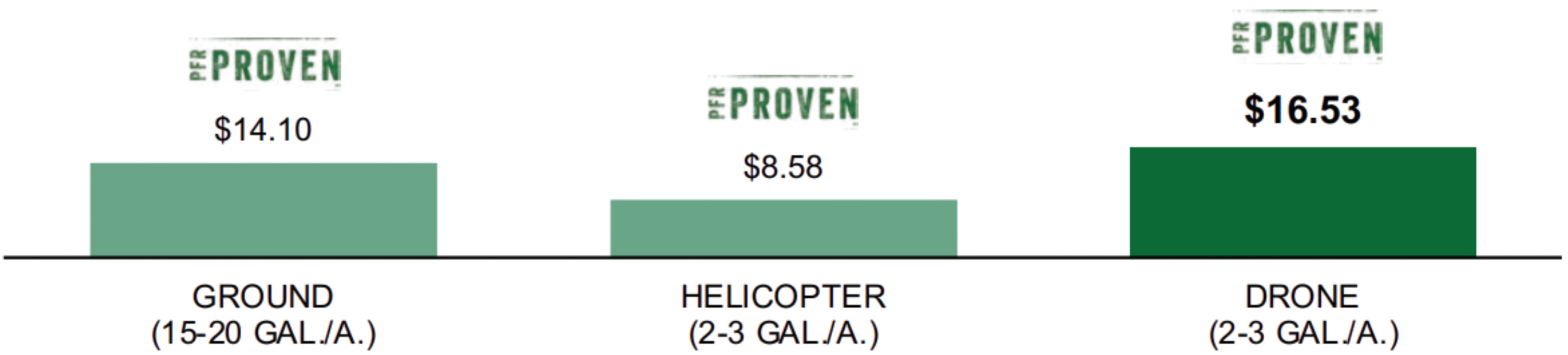
BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

2025 RESULTS

R1 TREATMENTS	APPLICATION METHOD	PERCENT MOISTURE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control: No Fungicide	--	18.0	252.2	--	--
Fungicide	Ground (15-20 gal./A.)	18.9	259.4	+7.2	+\$6.05
	Helicopter (2-3 gal./A.)	18.7	259.4	+7.2	+\$6.05
	Drone (2-3 gal./A.)	18.6	259.7	+7.5	+\$7.37
Corn \$4.42/Bu. Fungicide Cost \$25.78/A. These results are based on the disclosed study parameters and participating sites.					

3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. HELICOPTER VS. DRONE ROI



MURST Ag Summary:

Beck's Practical Farm Research found that drone applications delivered the highest yield response and return on investment when compared to both ground and helicopter applications. Across multiple locations, drones provided the greatest profitability while maintaining strong disease control performance. These results continue to demonstrate the effectiveness of drone technology as a proven and economical fungicide application method.

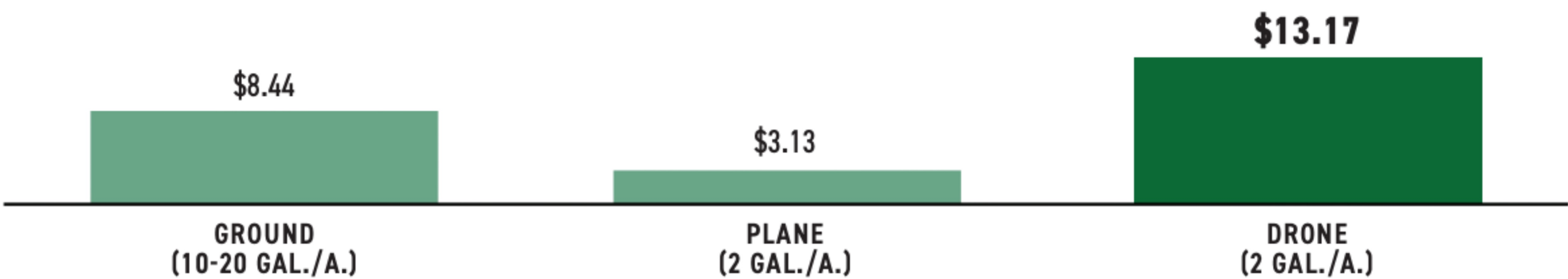
BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

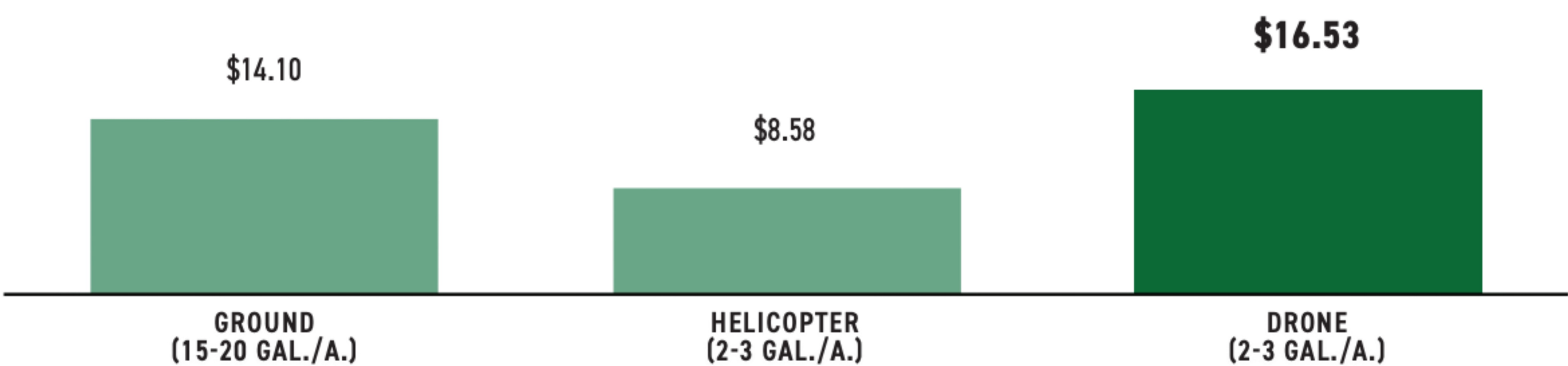
3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. DRONE
RETURN ON INVESTMENT - **NEW**



3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. PLANE VS. DRONE
RETURN ON INVESTMENT - **NEW**



3-YEAR MULTI-LOCATION FUNGICIDE APPLICATION - GROUND VS. HELICOPTER VS. DRONE
RETURN ON INVESTMENT - **NEW**

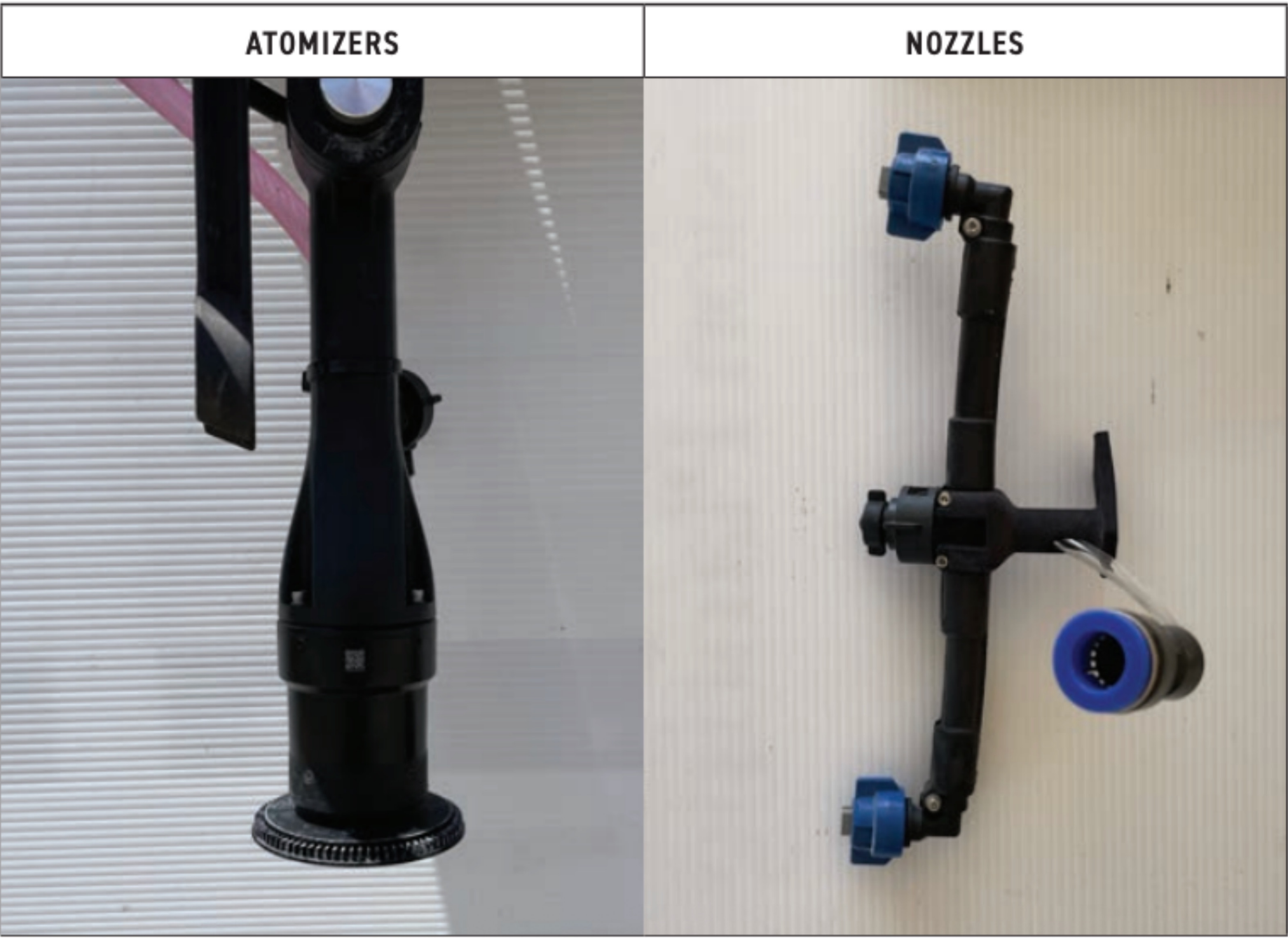


BECK'S 2025 DRONE

PRACTICAL FARM RESEARCH

R1 TREATMENTS	APPLICATION TYPE	PERCENT MOISTURE	BU./A.	BU./A. DIFFERENCE	RETURN ON INVESTMENT
Control: No Fungicide	--	13.8	243.6	--	--
14 oz. Atticus Aquila XL™	Atomizers (24% Speed)	14.8	267.7	+24.1	+\$100.50
	Nozzles (XR 11006 Flat Fans)	14.8	265.1	+21.5	+\$89.01
Corn \$4.42/Bu. Atticus Aquila XL™ \$55.00/gal. These results are based on the disclosed study parameters and participating sites.					

Disease Pressure: Heavy (Southern Rust), Light (NCLB & Tar Spot)



MURST Ag Summary:
Beck's Practical Farm Research found that atomizers provided a slight advantage in both yield and ROI. Murst Ag's DJI T-100 drones are equipped with four atomizers per aircraft, helping deliver precise and consistent applications.

BECK'S 2025 DRONE PFR

SUMMARY

Comparison	Ground ROI	Aircraft ROI	Drone ROI	Drone Advantage
Ground vs Drone	\$6.40	—	\$14.66	+129% vs Ground
Ground vs Plane vs Drone	\$8.44	\$3.13	\$13.17	+321% vs Plane
Ground vs Helicopter vs Drone	\$14.10	\$8.58	\$16.53	+93% vs Helicopter
3-Year Average ROI	\$9.65	\$5.86	\$14.79	—

Beck’s Practical Farm Research continues to demonstrate that drones are one of the most effective and profitable methods for fungicide application. Across multiple years and locations, drone applications consistently generated the highest return on investment when compared to ground rigs, airplanes, and helicopters.

A key advantage of drones is their ability to improve canopy penetration. The rotor downwash created by the drone pushes fungicide droplets deeper into the crop canopy, helping deliver product where disease pressure often develops. Beck’s researchers noted that the drone’s canopy disturbance may contribute to its stronger performance under disease pressure, resulting in improved coverage and performance throughout the plant.

When compared to traditional aerial application methods, drones offer a level of precision that airplanes and helicopters cannot match. Drones maintain a consistent height above the canopy and can accurately navigate around trees, power lines, and other obstacles while consistently following changes in terrain such as terraces. This allows for more targeted applications, reduced overlap, and improved coverage across the entire field.

Drones also provide advantages across a wide range of field types and sizes. Whether treating large, open fields or smaller, more complex acres, drones maintain precise product placement while avoiding crop damage and soil compaction. Their ability to stay at a consistent distance from the canopy throughout the application helps improve spray deposition and coverage, allowing more of the product to reach the intended target.

The combination of improved canopy penetration, precise product placement, and consistent coverage helps maximize fungicide effectiveness and protect yield potential. Beck’s multi-location research shows that drones are more than an alternative aerial application method—they are a proven technology that consistently delivers strong agronomic performance and industry-leading returns.

Why MURST Ag?



LINCOLN STOVER

MURST Ag was founded by lifelong farmers Paul Murty and Lincoln Stover with a simple goal: provide growers with a spraying service they can trust. Growing up on Iowa farms and working in agriculture their entire lives, Paul and Lincoln understand that every acre matters. They know that when a farmer hires an applicator, they are trusting someone with a crop they have spent months and thousands of dollars growing.

That responsibility is something MURST Ag takes seriously. As Lincoln Stover explains, "Both Paul and I have a deep caring about what we do. We care just as much about our customers' acres as we do about our own families." That commitment to quality, communication, and doing the job right has helped MURST Ag grow from two high school entrepreneurs with a dream into one of Central Iowa's fastest-growing drone application businesses.

While customer service remains the foundation of the company, MURST Ag continues to invest in the best technology available. Today, MURST Ag operates three brand-new DJI Agras T100 drones

and two fully equipped spray trailers, allowing us to run two independent drone crews during the busiest parts of the season. This investment helps us have fast turnaround times, cover more acres efficiently, and ensure we are ready when windows are short and timing matters most.

What truly separates MURST Ag is that we are farmers serving farmers. We understand the importance of protecting yield potential, maximizing every application, and earning the trust of the growers we serve. As Lincoln stated, "You have to get people to trust you. You have to show your worth, and you have to be there, caring for everyone and caring for what you do." That philosophy continues to guide every decision we make.

Paul Murty echoed that same commitment when reflecting on the company's growth: "A huge thanks to our customers. We truly would not be where we are without them." That appreciation remains at the heart of MURST Ag today. Every customer, every field, and every application matters because we understand that our success is built on the trust our customers place in us.

As MURST Ag continues to grow, one thing remains unchanged: our commitment to our customers. We are not focused on simply flying acres—we are focused on building relationships, providing exceptional service, and helping growers achieve the best possible results from every application.



PAUL MURTY

