

# **TA 1200 · TA 1600 · TA 2400**

*T-Tank Sprayers*

**TA 1200 · TA 1600 · TA 2400**  
Pull-type sprayers



***Suit Your Spraying Needs to a "T"***

# **TA 1200 · TA 1600 · TA 2400**

*T-Tank Sprayers*

**TA 1200 · TA 1600 · TA 2400**  
Pull-type sprayers



***Suit Your Spraying Needs to a "T"***

# **BEYOND COMPARISON**

**The premier line of Top Air® T-Tank sprayers by Unverferth is equipped with more standard features than any other pull-type sprayer on the market. They can help you spray more acres, in less time and with less operator fatigue. Plus, owning your own pull-type sprayer lets you maximize your horsepower investment while spraying on your schedule, not someone else's. Combine these features along with long-lasting quality, and you'll see why Top Air T-Tank sprayers truly are "beyond compare."**

- Independent rubber-cushioned axle suspension for smoother ride and extended tank life; standard on model 2400 and 1600, optional on 1200
- Environmentally friendly FLO-BAK® ball valves for enhanced sprayer efficiency and savings
- Electric agitation keeps spray solution in proper suspension
- Sump containment tank for spraying efficiency on sidehills
- Adjustable-width axles
- Compact tri-fold, front-folding booms for transport safety and convenience
- Dual-spray widths (80' – 60'; 90' – 60'; 100' – 60'; 120' – 90'; 132' – 88')
- Variety of undercarriage options (singles, duals, tracks) to meet your specific needs



# TRAILER AND TANK FEATURES AND BENEFITS



- Dual-agitation nozzles provide a 5:1 mixing ratio to keep the spray solution properly suspended. Standard electric agitation allows for remote control of agitation valve from tractor cab.



- Containment tank acts like a sump within a sump for holding the last 30–50 gallons of liquid on side-hills and inclines to maintain a primed pump.



- Dual-rinse nozzles for complete and quick cleanout when changing from one chemical solution to another.
- Stainless steel baffle for load stabilization.

- Long-life, hydraulic-powered pump with Pulse-width Modulation (PWM) provides accurate spraying at any speed.

- The rubber-cushioned, independent axle suspension allows the right and left axles to independently pivot, providing the smoothest ride over the roughest terrain — standard on the TA 1600 and 2400, optional on the 1200.

- Experience faster loading when filling from ground level with the 3" quick fill. The top of the tank features an easy-access, large 16" lid as another filling option.

- Hitch height is adjustable from 1' 10" to 2' 2". An optional 2-point hitch allows for better distribution of tongue weight on larger sprayers.

**A** Tank volume indicator with red float for easy viewing from tractor cab. Optional ISO fill meter kit provides precise tank gallonage when filling sprayer and displays on select controllers.

**B** A 9-gallon clean-water rinse tank with an eyewash tube and spout for quick response is standard.

**C** Ladder with gas-strut assist for easy raising and lowering allows convenient platform access even when its compact boom is folded.

**D** Pivoting pressure gauge for viewing from tractor cab or command center.

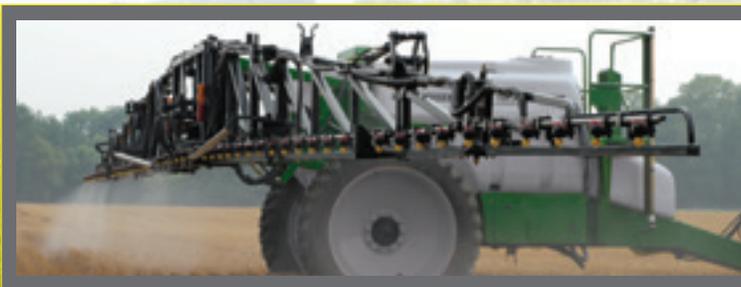
**E** Top surface of the sprayer tank is designed to channel spilled liquid rearward, away from the operator for enhanced safety.

**F** Ample 30" underframe clearance for spraying taller crops.

**G** Centralized control center puts all the sprayer controls for tank agitation, pump inlet/outlet and filter purge in one convenient area.



- Standard FLO-BAK® ball valves automatically return any remaining liquid in the plumbing at the time of shut-off back to the tank rather than wasting it out of the boom. This feature is environmentally friendly by greatly reducing over-application and saves you chemical and money with each shut-off!



- The far end of the boom, equipped with regular valves, is still spraying 2 seconds after shut-off, while the near side of the boom, equipped with FLO-BAK® valves, shuts off nearly instantaneously.



Gray tank with contrasting green or red powder-coated undercarriage provides corrosion resistance and a long-lasting, high-quality finish. Lighting, reflective striping and transport chain are standard and provide safer road travel.



TA 1600 with 120' boom

# BOOM FEATURES AND BENEFITS

## COMMON BOOM FEATURES



- The booms offer dual spray widths, and foam marking when equipped with the optional foam marker. The 80', 90' and 100' booms will also spray at 60', the 120' boom will spray at 90', and the 132' boom will spray at 88'.
- For spraying over uneven terrain, the boom wings are hydraulically adjustable to tilt from 15 degrees above to 5 degrees below horizontal for uniform spray application.
- Standard quad-nozzle spray bodies enable you to easily change from one application to another, with choice of 15" or 20" spacing on every boom and 22" on 132' boom.
- High-quality corrosion-resistant finish with stainless steel hardware provides added durability.
- Stainless steel wet-boom provides a tough and durable design that provides quick response with few joints and connections.

## BOOM COVERAGES

BOOM SIZE	AVERAGE MPH	ACRES PER HOUR	HOURS PER TANK @ 10 GPA		
			1200	1600	2400
80'FF	8	77.5	1.54	2	—
80'FF	10	97	1.23	1.64	—
80'FF	12	116	1.03	1.38	—
80'FF	14	136	0.88	1.17	—
90'FF	8	87	1.37	1.83	—
90'FF	10	109	1.1	1.46	—
90'FF	12	131	0.91	1.22	—
90'FF	14	153	0.78	1.04	—
100'FF	8	98	1.22	1.63	—
100'FF	10	123	0.98	1.3	—
100'FF	12	147	0.82	1.08	—
100'FF	14	172	0.7	0.93	—
120'FF	8	116	—	1.37	2.06
120'FF	10	145.5	—	1.09	1.64
120'FF	12	174.5	—	0.91	1.37
120'FF	14	203.6	—	0.78	1.17
132'FF	8	128	—	1.25	1.87
132'FF	10	160	—	1	1.5
132'FF	12	192	—	0.83	1.25
132'FF	14	224	—	0.71	1.07

Times and measurements may vary based upon spraying conditions.

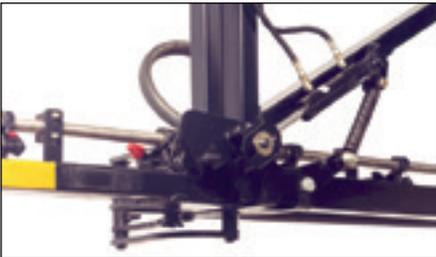
TA 2400 with 120' boom



## COMMON BOOM FEATURES



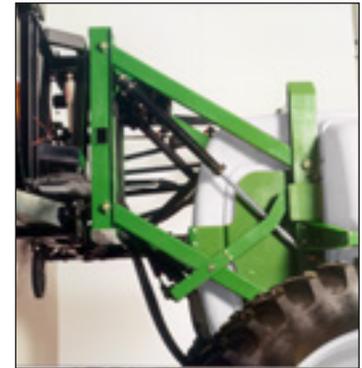
The boom's closeness to the trailer provides optimum rigidity and less stress for extended boom life. You can control the boom height on the go, from 19" to 76", meeting the most demanding spray requirements.



Wing locks hydraulically engage and mechanically lock the first and second sections to operate as a continuous wing.



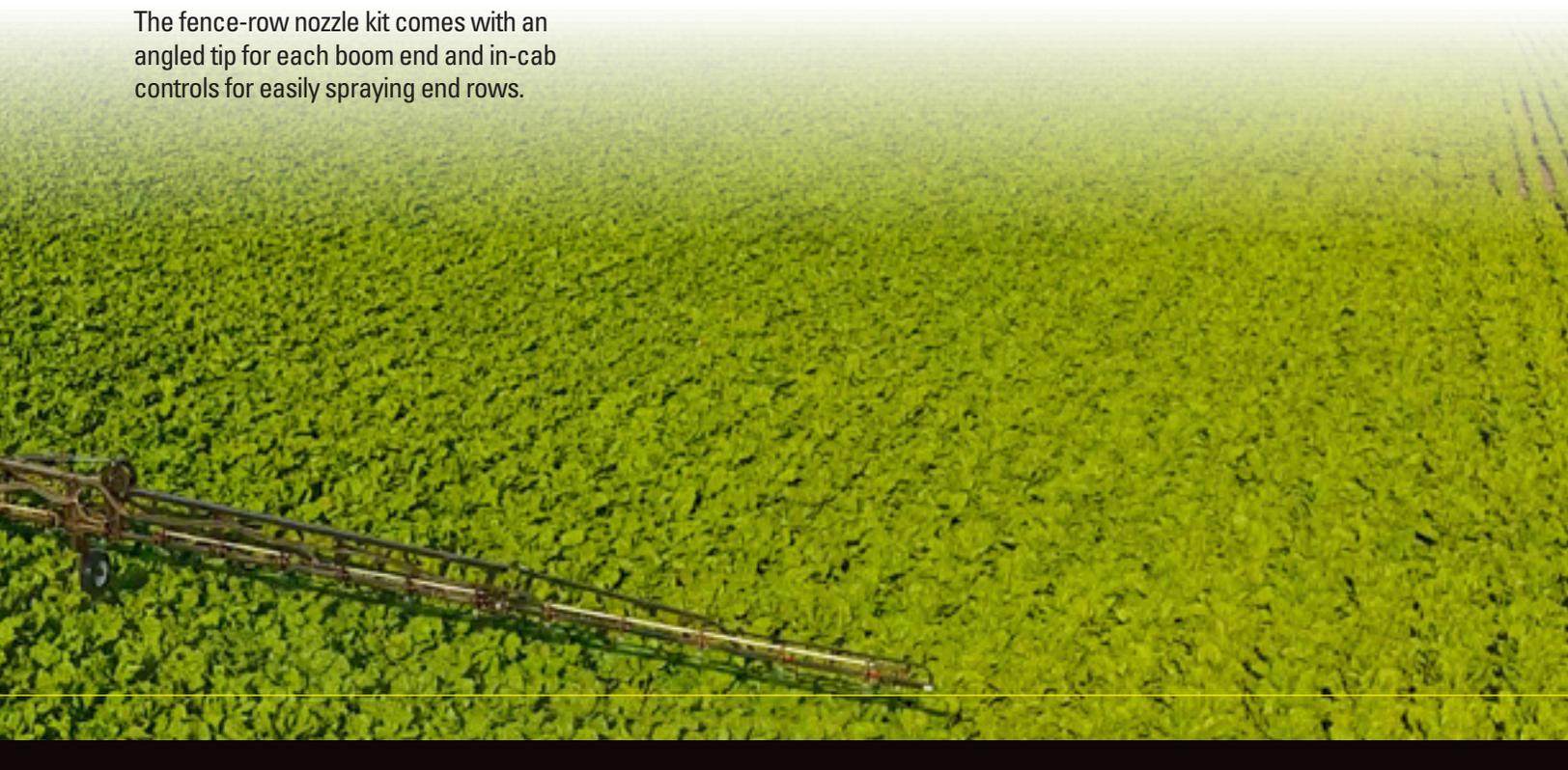
Outer wing sections feature a spring-loaded breakaway system that allows the boom wing to quickly return to spraying position should it come in contact with an obstruction.



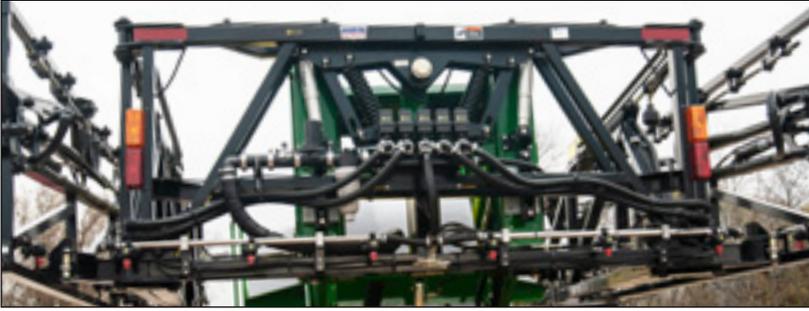
The parallel-lift system provides smooth boom-height adjustment and superior crop clearance.



The fence-row nozzle kit comes with an angled tip for each boom end and in-cab controls for easily spraying end rows.



## **BOOM FEATURES CONTINUED**



- The center section features central pivot design along with springs and shock absorbers for superior boom leveling.
- To keep the boom perpendicular to the trailer, yaw-dampening springs are designed into the main boom sections.
- Ball valves are mounted on the boom for the quickest response and for more accurate coverage.



- Hydraulic accumulators on lift cylinders and on wing tilt provide 16" of vertical travel independent of the trailer, for optimum leveling in extreme field conditions.



- Side-mounted shock absorbers add cushioning and support to ensure level boom performance.



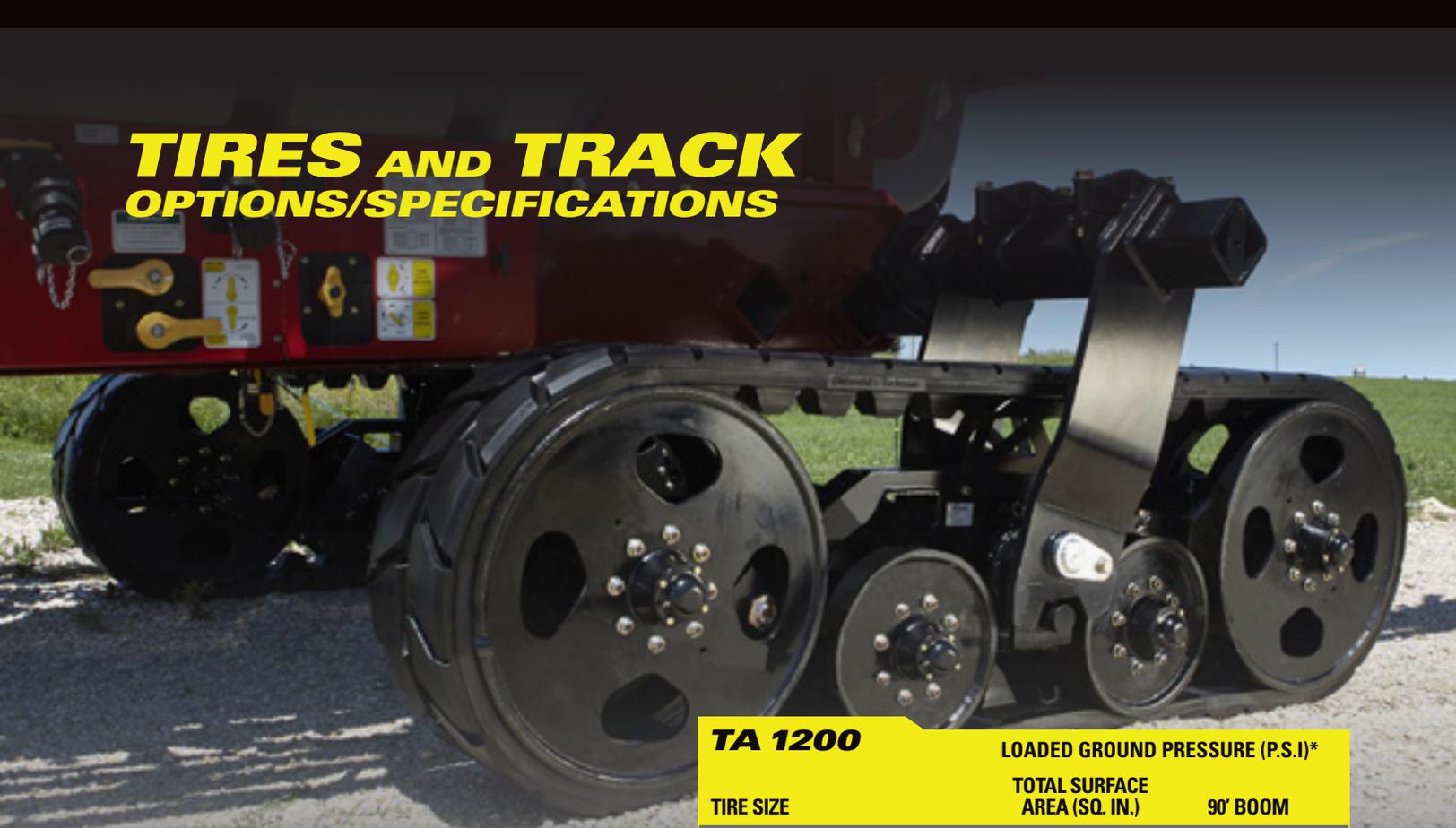
- 3-D design provides added strength and durability.



- Top-mounted cushioning system provides added yaw protection.



# TIRES AND TRACK OPTIONS/SPECIFICATIONS



## TRACK FEATURES

The patented Equalizer® track system provides greater flotation and offers many exclusive features.

- Equalizer® track provides front-to-rear and side-to-side movement for maintaining ground contact on most any terrain.
- A 14" wide by 78" long footprint ensures greater flotation and easier spraying of taller crops. The short wheelbase provides easy turning, less crop damage and minimal berming on headlands. Track axle is adjustable from 88" to 144".
- Spring-tensioning design provides constant tension and weight distribution over the roughest terrain.
- Self-cleaning, rubber-coated idler and end wheels ensure proper alignment in all conditions.

## WHEEL AND TIRE FEATURES

- Infinitely adjustable axle — from 60" to 120" — accommodates a variety of wheel sizes and meets virtually any row crop spacing.
- Easily converts from singles to duals with hub extensions and outer wheels.

### TA 1200

TIRE SIZE	LOADED GROUND PRESSURE (P.S.I)*	
	TOTAL SURFACE AREA (SQ. IN.)	90' BOOM
320/90x46 R-1 146 LI	600	36.6
480/80x42 R-1 151 LI	730	20.8
380/90x46 R-1 8 Star	620	25.3
320/90x46 R-1 146 LI (Duals)	1200	18.3
380/90x46 R-1 8 Star (Duals)	1240	12.7
270/95x48 R-1 146 LI (Duals)	724	20.0

### TA 1600

TIRE SIZE	LOADED GROUND PRESSURE (P.S.I)*		
	TOTAL SURFACE AREA (SQ. IN.)	90' BOOM	120' BOOM
380/90x46 R-1 8 Star	620	33.0	37.5
480/80x42 R-1 156 LI	730	27.1	30.8
320/90x50 R-1 156 LI	650	42.2	47.9
380/90x46 R-1 8 Star (Duals)	1240	16.5	18.7
320/90x46 R-1 146 LI (Duals)	1200	23.9	27.1
320/90x50 R-1 156 LI (Duals)	1300	21.1	24.0
270/95x48 R-1 146 LI (Duals)	724	26.1	29.6
Tracks	2166	9	10

### TA 2400

TIRE SIZE	LOADED GROUND PRESSURE (P.S.I)*	
	TOTAL SURFACE AREA (SQ. IN.)	132' BOOM
380/90x54 R-1W 152 LI (Duals)	1220	23.4
320/90x50 R-1W 156 LI (Duals)	1152	33.2
650/65x42 R-1W Duals	1550	30.7
Tracks	2166	13.3

\*All ratings and figures are approximate and calculations may vary based upon chemical and soil conditions.

# ACCESSORIES

**Boom light kit** for spraying at night provides greater operator visibility.



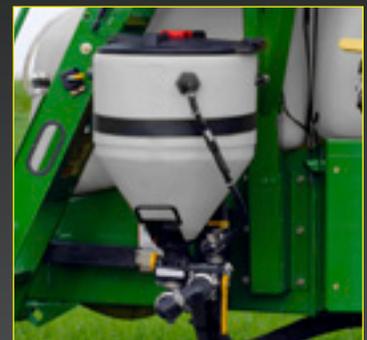
## Stay On Track With Steerable Hitch

### 90' Boom (45° turning radius)



Minimize the amount of crop damage by creating just one set of tracks on the headlands with the Top Air steerable hitch option. Available with ISO, 4400 or stand-alone controllers.

- Automatic setting – sprayer follows tractor on turns and headlands without any operator involvement.
- Manual setting – locks the hitch in the standard position for road travel.



The **15-gallon chemical inductor** lowers to waist level and is equipped with a large lid for easy filling. It offers high-speed chemical induction and utilizes the pressure side of the pump for better mixing of wettable powders and greater pump life. It has a spring assist for returning to storage position and features a container rinse.



The **foam marker** uses water from the rinse tank and mixes solution at the boom for a consistent and highly visible foam. It is conveniently housed adjacent to the storage bin and comes with in-cab controls for operator convenience. Foam marker tray slides out for easy maintenance.

# ELECTRONICS

Take operator ease to a whole new level with these standard and optional electronics.



## ISO System

Standard ISO system controls sprayer functions directly from the tractor's display. This "plug-n-spray" feature allows for quick setup, easy spraying operation and less tractor cab clutter. Bluetooth capable for app connectivity to easily calibrate tips from behind the boom.



## 4400 Controller

This optional controller console merges 3- to 7-boom section spraying control with data logging. It is also designed to accept the AutoBoom height control and Top Air steerable hitch option.



## Wheel AutoBoom Leveling

Optional wheel-based sensor with controller automatically maintains boom leveling for operator ease.



## Command Center IV

Easily control hydraulic boom functions in cab with easy-to-operate switches. Optional wireless boom control for easy tip calibration from behind the boom.



## Sonar AutoBoom Leveling

Optional sonar sensor and controller uses a sonar signal to sustain boom leveling and comes with a controller for adjusting sensitivity.



# SPECIFICATIONS\*

SPECIFICATIONS	TA 1200**		TA 1600**		TA 2400**
	80' BOOM	90' BOOM	90' BOOM	120' BOOM	132' BOOM
Tank capacity	1,200 gallons		1,600 gallons		2,400 gallons
Rinse tank capacity	140 gallons		165 gallons		300 gallons
Recommended tractor HP	180		225		180
Sump containment tank	30–50 gallons		30–50 gallons		30–50 gallons
Tank thickness	1/4"		1/4"		1/4"
Tank material	Polyethylene		Polyethylene		Polyethylene
Overall length	22' 7"	22' 7"	22' 7"	25' 3"	25' 3"
Overall height	10'	10' 3"	10' 3"	11' 10"	11' 10"
Under boom height (folded)	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
Underframe clearance	30"	30"	30"	30"	30"
Hitch to axle	15' 10"	15' 10"	15' 10"	18' 8"	18' 8"
Transport width	12'	12'	12'	12'	12'
Tongue weight — full	4,100 lbs.	4,500 lbs.	5,000 lbs.	5,200 lbs.	6,750 lbs.
Empty weight	8,260 lbs.	8,480 lbs.	9,820 lbs.	12,070 lbs.	15,320 lbs.
Hubs	10-bolt		10-bolt		10-bolt
Spindle diameter/material	3 3/4" (high-tensile steel)		3 3/4" (high-tensile steel)		3 3/4" (high-tensile steel)
Hitch height	1' 10"–2' 2"		1' 10"–2' 2"		1' 10"–2' 2"

\*As we continually strive to improve our products, all specifications herein are subject to change without notice or obligation.

\*\* Indicated boom sizes are for reference only. See the Various Boom Coverages chart for additional boom sizes.



With more than 40 years in the field, Top Air® sprayers have become synonymous with sprayer innovations. Convenience, application precision, enhanced operator safety and ease of use make the TA 1200, TA 1600 and TA 2400 sprayers your best choice for spraying efficiency.

We invite you to stop by your nearest Top Air dealer today and experience for yourself the overall value Top Air sprayers can add to your operation.

For more information, and to watch these sprayers in action, visit us at [topairequip.com](http://topairequip.com), or see your nearest dealer today.

**Unverferth**  
Manufacturing Company, Inc.



P.O. Box 357 • Kalida, Ohio 45853 • 419-532-3121

Additional facilities in California, Georgia, Iowa, Nebraska, North Dakota, Oregon, and Ontario and Saskatchewan, Canada.

®™ Trademarks, registered or applied for, of Unverferth Manufacturing Co., Inc., Kalida, OH.

For relevant patents, please visit [unverferth.com/patents](http://unverferth.com/patents)

© 2019 Unverferth Mfg. Co., Inc.