

RUN WITH US

2017

20 YEARS
APACHE

HOW DO I RUN?

Thousands of pounds lighter because compaction is a killer. On mechanical drive for more power to the ground and easier maintenance than hydrostat sprayers. Higher and faster than pull-type sprayers to get the job done in half the time. In a cab that's quiet and smooth because comfort matters. In a sprayer that cost tens of thousands of dollars less because you should make green, not pay for it. And in the only sprayer backed by a five-year warranty, because dependability is everything.

How do I run?

In the best pound for pound sprayer on the planet. *Run with Us.*





WHY BUY?

GO AHEAD AND COMPARE US. *WE HOPE YOU DO.*

PULL TYPE METHOD

- Takes twice as long
- Is a rougher ride
- Operator fatigue
- Added hours on the tractor
- Low resale value

HYDROSTAT OPTION

- Heavier machine resulting in more compaction
- More expensive purchase to do the same job
- More expensive to maintain
- More complicated to service
- Less fuel efficient

CUSTOM APPLICATION

- With Apache, save money
- With Apache, spray to your standards
- With Apache, spray when you want
- With Apache, have an asset that retains 72% of value in 5 years

ASK OUR CUSTOMERS WHY THEY CHOSE APACHE

- Simplicity breeds dependability
- Less weight equals less compaction, which leads to higher yields and better fuel economy
- Unrivaled five-year limited warranty
- Less expensive - mechanical drive approach and business practices keep costs down without compromising quality

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Matt Hays *Chief Executive Officer*

PROVEN TO WORK AS HARD AS YOU DO

In 1997 when **EQUIPMENT TECHNOLOGIES** was founded, the commitment was to produce a **TOUGH, RELIABLE, SIMPLE SPRAYER** for the grower. We could have made any sprayer we wanted. We were starting from scratch. Hundreds of conversations with growers led us to the solution. **MECHANICAL DRIVE. SIMPLE TO RUN.** Simple to maintain. Efficient. Effective. Light enough in the fields, tough enough to get the job done. A machine that had a tractor feel, but a more comfortable ride. A sprayer that made financial sense.

Our customers have made it clear — they work hard for their money. And when they spend a dollar, they expect to get more than a dollar in return. We respect that. That's why we work hard to earn your business. That's why the Apache works hard in your fields. That's why, when you get right down to it— **THE APACHE IS YOUR SPRAYER.** It's proven to work as hard as you do.

HIGHER PERFORMANCE

A Tier 4 Final Cummins diesel engine makes the Apache a cleaner-running sprayer, and also a better-performing machine.

HIGHER HORSEPOWER

Each 30 series Apache model gets more horsepower than the model it replaces:

- AS730 – **173 hp** (AS720 – 160 hp)
- AS1030 – **225 hp** (AS1020 – 215 hp)
- AS1230 – **260 hp** (AS1220 – 215 hp)
- AS1230 XP – **300 hp** (AS1220 Plus II – 275 hp)

Already fuel-efficient Apaches become even greater energy misers in 2017. Fuel consumption drops 16-21 percent among all models.



**Tier 4 Final
Aftertreatment
System**

Source: Cummins



APACHE AND COMPETITOR COMPARISONS

List price is based on a sprayer with fenders, premium leather seat, 100' boom, Envizio Pro II, AccuBoom, UltraGlide AutoBoom and SmarTrax AutoSteer. PTG: HP PER 1,000 lbs. is calculated by "hp x efficiency ÷ weight x 1000"

FEATURES	2017 APACHE AS730	2016 JOHN DEERE R4030	CASE PATRIOT 3240
WEIGHT	19,700	29,810	23,480
CAPACITY	750 gal	800 gal	800 gal
RATED HORSEPOWER	173 hp	280 hp	250 hp
EFFICIENCY	90%	70%	70%
PTG: HP PER 1,000 lbs.	7.9	6.6 (-1.3)	7.5 (-.4)
LIST PRICE	\$254,980	\$330,659	\$285,647

The AS730 has **19.7%** more power than the Deere R4030
The Deere R4030 is **29.7%** more expensive than the AS730

FEATURES	2017 APACHE AS1030	2016 JOHN DEERE R4038	CASE PATRIOT 3340
WEIGHT	20,000	30,883	25,060
CAPACITY	1000 gal	1000 gal	1000 gal
RATED HORSEPOWER	225 hp	310 hp	285 hp
EFFICIENCY	90%	70%	70%
PTG: HP PER 1,000 lbs.	10.1	7.0 (-3.1)	8.0 (-2.1)
LIST PRICE	\$295,851	\$374,240	\$336,628

The AS1030 has **44.3%** more power than the Deere R4038
The Deere R4038 is **26.5%** more expensive than the AS1030

XP PACKAGE ON THE 1230 (EXTRA POWER)

FEATURES	2017 APACHE AS1230	2017 APACHE AS1230 XP	2016 JOHN DEERE R4045	CASE PATRIOT 4440
WEIGHT	21,000	21,000	35,350	27,400
CAPACITY	1200 gal	1200 gal	1200 gal	1200 gal
RATED HORSEPOWER	260 hp	300 hp	346 hp	335 hp
EFFICIENCY	90%	90%	70%	70%
PTG: HP PER 1,000 lbs.	11.1	12.9	6.9 (-6.0)	8.6 (-4.3)
LIST PRICE	\$320,059	\$332,361	\$427,092	\$358,143

The AS1230 XP has **87.0%** more power than the Deere R4045
The Deere R4045 is **28.5%** more expensive than the AS1230XP



POWER WHERE AND WHEN YOU NEED IT MOST

Strength, simplicity and savings. The Apache has all three, thanks to its patented **POWER-TO-THE-GROUND™** technology.

A full **90 PERCENT** of an Apache's horsepower is transferred to the ground, making it more efficient than hydrostat sprayers, which transfer approximately 70 percent of available horsepower to the ground.

The Apache's mechanical drive transmission has fewer parts than hydrostat machines, meaning an Apache is easier to maintain. Due to its simple construction, the Apache is rugged and dependable. It can handle even the toughest field conditions.

Apache owners appreciate the excellent fuel efficiency. The torque-converted mechanical drive achieves an average fuel consumption of four gallons per hour.

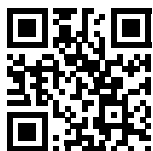
POWER CONVERSION

A **TORQUE CONVERTER** doubles the engine's ability to push the Apache through tough terrain, while a JCB limited slip differential allows for sharper turns and better traction.

POWER PER POUND

- Hydrostat machines require more horsepower because of added weight from wheel motors and pumps.
- The Apache's lighter construction provides more Power-to-the-Ground™ than competing sprayers.
- Most hydrostat machines only deliver approximately 70 percent of the engine's horsepower to the ground, while the Apache delivers 90%.

Visit us at:
www.ETsprayers.com



POWER



LOWEST COST OF OWNERSHIP IN THE INDUSTRY

- Lower service cost & lower operating costs
- Lower cost for replacement parts
- Highest resale value in industry
- Greater fuel saving
- State-of-the-art precision options
- Industry-leading 5-year limited warranty
- Much lower purchase price than comparable sprayers (**\$30,000 to \$85,000 less on average**)

PARTS PRICE COMPARISON

The savings for Apache owners continue even after the purchase. Apaches, in general, have less expensive parts compared to hydrostat machines. For example, competitor filters are **55 PERCENT** higher, flow meters are **74 PERCENT** higher, and 3-way nozzle bodies are **31 PERCENT** higher on average.

The average wheel motor, across brands, is at least \$4,480. Given there are four wheel motors, that's \$17,920. The Apache doesn't need or use wheel motors. Less complicated. Less expensive. Now more than ever.



To build your own, go to
Builder.ETsprayers.com

WHY DIRECT DRIVE?

When growers were considering owning self-propelled sprayers for their application needs in the mid-'90s, they asked for a simple, light-weight, easy to maintain, ready-to-go machine with good visibility. The answer was the Apache Sprayer.

That was before all the hydrostat manufacturers went into overdrive trying to convince growers they needed a heavy, expensive hydrostat to spray crops. Direct drive for application needs was the best answer then, and it still is today.

BEST INVESTMENT

The sprayer is one of the most used pieces of farm machinery. Studies show the utilization rates for farm equipment:

- Combine 7%
- Planter 10%
- **Sprayer 15%**
- Tractor 17%

Farmers are inclined to go through another season with the combine or planter they have. Investing in a new Apache Sprayer this year makes a great deal of sense, now more than ever.

ASK OUR CUSTOMERS WHY THEY CHOSE APACHE

- Simplicity breeds dependability
- Less weight equals less compaction, which leads to higher yields and better fuel economy
- Unrivaled five-year limited warranty
- Less expensive - mechanical drive approach and business practices keep costs down without compromising quality



5-YEAR WARRANTY

The best sprayer on the market is backed by the **INDUSTRY'S BEST WARRANTY.**

Every Apache that rolls off the assembly line comes with a 5-year limited warranty. You won't find another sprayer manufacturer that stands behind their machine the way we do.

Apache is the only manufacturer with full machine coverage for the first two years (<1,000 hrs).



"A warranty is a peace of mind thing. Having the 5-year powertrain warranty is a definite asset even if you don't use it. It tells me that the Apache folks are quite confident in their machine, even if we've never had to use it."

Kevin Zepick Kipling Station, SK

WARRANTY COMPARISON

TIMEFRAME	APACHE/ET	ROGATOR/AGCO	PATRIOT/CASE	JOHN DEERE
YEAR 1	Full Machine (<1,000 hrs)	Full Machine	Full Machine	Full Machine (unlimited hrs)
YEAR 2	Full Machine (<1,000 hrs)	Drivetrain-parts & labor (<2,000 hrs)	Drivetrain-parts & labor (<2,000 hrs)	Engine only (<2,000 hrs)
YEARS 3, 4, & 5	Drivetrain-parts* (<2,000 hrs)	None	None	None

*Powertrain, frame and axles less the engine for parts only. Engine exclusively covered by Cummins for 2 years or 2,000 hours.



ENGINEERING EXCELLENCE

It takes a dedicated product development team to design the most dependable, affordable self-propelled sprayer on the market. At Equipment Technologies that begins with the engineering department and Veera Rajendran, our Director of Engineering.

Veera joined Equipment Technologies in 2014, having spent 20 years in mechanical engineering and technology development, including the previous nine years in the aerospace industry. He holds a doctoral degree in mechanical engineering and a MBA with a leadership concentration, owns five U.S. patents and has received numerous honors in the engineering field.

When Veera and his team went to work on the 2017 Apache they had one goal: make an already great sprayer even better. They spent hours listening to suggestions from Apache owners and Dealers, and examining the Apache from hood to booms, to identify performance-enhancing improvements. What they learned was incorporated in a prototype Apache the team built and extensively tested.

The result is a 2017 model Apache that exceeds even its historical excellence.

PATENTS
Equipment Technologies has **22 PATENTS** on the Apache Sprayer.
(20 issued and 2 pending)

"We think growers will like the improvements we've made this year. The Apache has always been a tremendous value for the money. With this new model year we've raised the bar again."

Veera Rajendran Director of Engineering





Flex-Frame is covered by ET's industry-leading 5-year limited warranty .

LESS WEIGHT = LESS COMPACTION

One of the top reasons customers buy the Apache Sprayer is because it **WEIGHS LESS** than competing sprayers.

- Weighs 3,000-14,000 lbs less
- Decreases soil compaction to increase yield potential
- Lowers operating costs
- Increases fuel economy

"FLEX-FRAME" SMOOTH RIDE

- Flex-frame consists of **C-CHANNEL FLEX-FRAME** rails and a **PIVOTING FRONT AXLE**
 - The frame flexes as you turn or drive over uneven ground
 - All wheels stay on the ground at all times
 - Reduced wear on accumulators and shocks
- Design is like a tri-axle dump truck frame constantly flexing and twisting. The flex-frame means:
 - Less stress on machine and operator
 - Less maintenance and downtime
 - Increased durability for a longer machine life

PATENTED SUSPENSION SYSTEM

- Rear suspension equipped with auto-leveling
- Anti-sway hydraulics
- Fitted with nine nitrogen accumulators to eliminate "bounce back effect"
- Booms remain stable for a longer life
- Increased speed and stability in the turns
- A new **REAR STRADDLE MOUNT AXLE** improves gear shifting and contributes to a more stable ride



THE
NEW
F

"We used to have a 500-gallon pull-type sprayer with booms, but it got to the point where we didn't have a tractor to pull it with. That led us to buy a self-propelled sprayer. We've been ecstatic with the Apache. It's a great machine. With the pull-type it used to take us a week or more to spray all of our corn and bean acres."

Brad Roberts Westfield, Indiana

AFFORDABILITY

CAN I AFFORD A SELF-PROPELLED SPRAYER?

The answer, believe it or not, is likely yes.

Apache self-propelled sprayers are **MORE AFFORDABLE** than you think. Pull-type sprayers may appear to cost less, except when fuel consumption, compaction, crop damage and lost productivity are factored into the equation. You'll often find the cost of operating a self-propelled sprayer is the same or less than operating a pull-type. Contact your Apache representative for a personalized cost calculation.

PULL TYPE METHOD

- Takes twice as long
- Is a rougher ride
- Operator fatigue
- Added hours on the tractor
- Low resale value

APACHE COMPARED TO PULL-TYPE

We often hear from customers that when they used a pull-type sprayer, they sprayed at about 6 mph. The ride was rough, and it made for a long day. With their new Apache they are spraying at 12 mph or more.

THEY GET THE JOB DONE IN HALF THE TIME.

They are also quick to share that the difference in the ride is phenomenal. The new state-of-the-art cab, coupled with the Apache's patented **SELF-LEVELING HYDRAULIC SUSPENSION**, combats operator fatigue. For owners that took the leap to get into an Apache Self-Propelled Sprayer, it's a leap they're glad they took, and they would do it again.



Hawkeye is compatible with the following displays:

- Raven Viper® 4
- John Deere GreenStar™ 3 2630 Display
- Case IH AFS Pro 700

ULTIMATE PRECISION

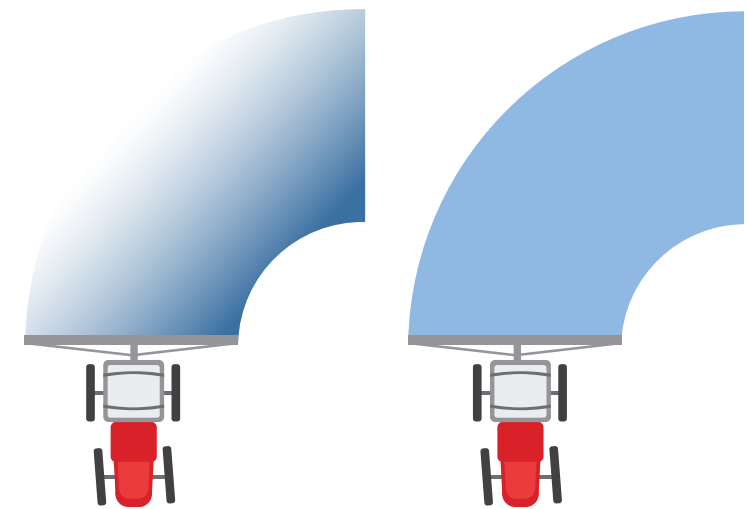
The Raven Hawkeye™ application system is available as a factory-installed option on all Apache models. Hawkeye takes precision to the next level, allowing operators to determine application rates down to individual spray nozzles. It allows you to vary spray pressure independent of speed and rate. Hawkeye is built on the ISOBUS communication platform.

THE HAWKEYE ADVANTAGE

- Nozzle-by-nozzle turn compensation standard
- Fully integrated with machine application control systems
- ISO compatible, including the Viper® 4
- Simple and clean setup and calibration
- Individual valve diagnostics monitor each nozzle
- Adjustable pressure on the fly, including 2 preset pressures

HAWKEYE VS. AIM

List Price 100' Boom	\$19,895	\$19,252	\$32,517
Feature	Hawkeye	AIM	AIM PRO
Pressure Nozzle Control	✓	✓	✓
Consistent Spray Pattern	✓	✓	✓
Blended Pulse Application	✓	✓	✓
Consistent Droplet Size	✓	✓	✓
Turn Compensation	✓	–	✓
ISO Platform	✓	–	–
Compatible with other ISO Displays	✓	–	–
Integrated with Flow Control System	✓	✓	✓
Individual Nozzle Shut Off	Upcharge (\$5,500)	–	✓
System Reliability (Seals)	Viton seals (~1000 hours)	EPDM seals (~500 hours)	EPDM seals (~500 hours)
Warranty	2 years (with registration)	1 year	1 year
Control Module	1 per system	1 per 7 nozzles	1 per 7 nozzles



WITHOUT HAWKEYE

WITH HAWKEYE



STEERING THE APACHE SPRAYER WITH JOHN DEERE® CONTROLS

Steering and application controls on an Apache Sprayer using the JD 2630 controller and GPS receiver (globe). Since 2011 we have installed more than 25 systems on Apache Sprayers allowing the customer to use the controller and GPS they are familiar with.

MACHINE COMES WITH:

- JD 10 bank switch box
- Fence row switch box
- Steering position sensor
- JD rate controller
- Mount for any JD receiver (globe)
- All wiring connected to the joystick, boom rack, and Raven application components
- If using auto boom this will also be controlled by the 2630 thru ISO connection

CUSTOMER SUPPLIES:

- JD2630 display and any unlock codes required
- JD receiver (globe)

This is a plug and play system that is field tested and customer approved. Don't let green paint on a farm slow you down.

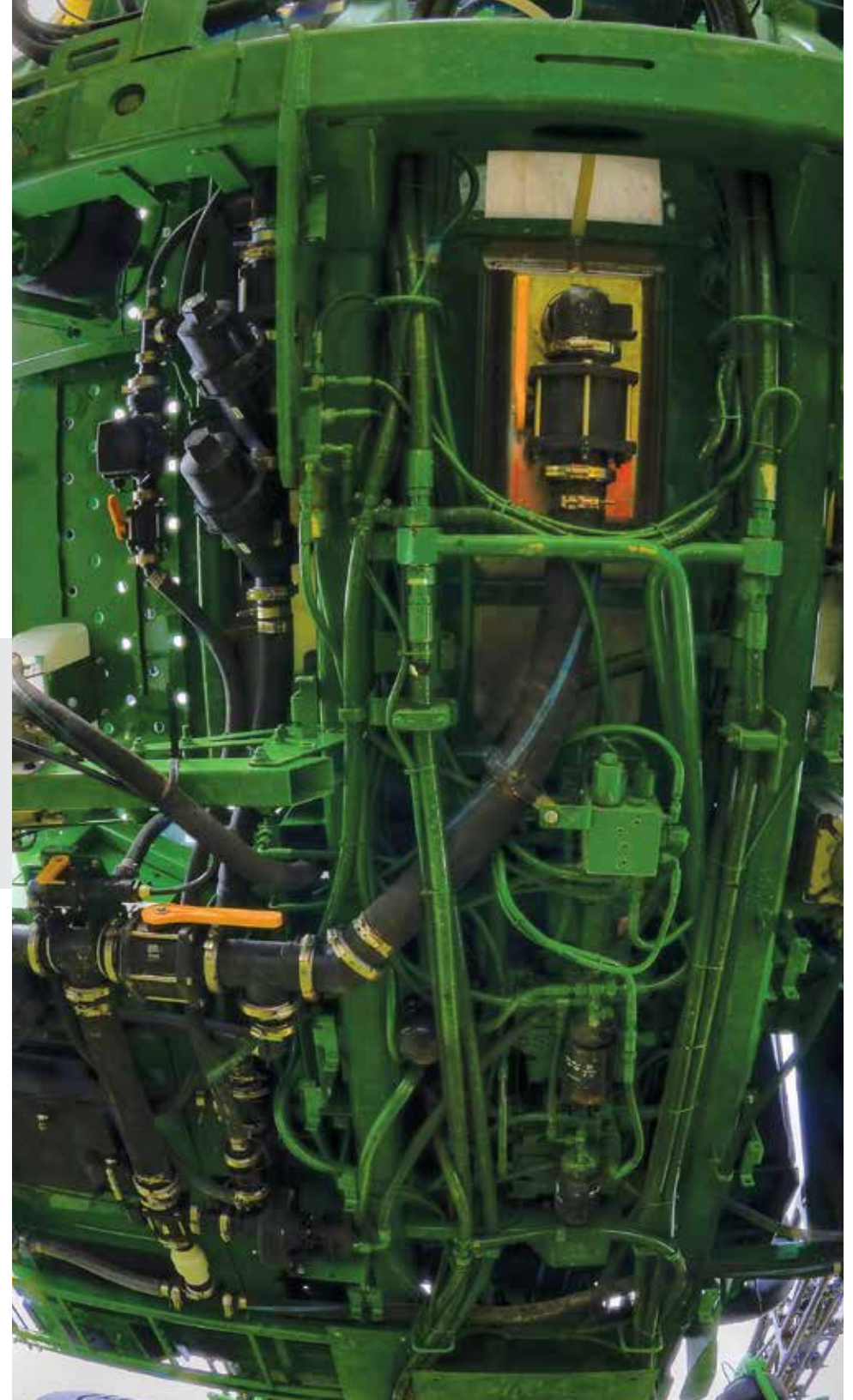
LOOK AT THE FACTS: HYDROSTAT VS. MECHANICAL

- Hydrostats have costly wheel motors on each wheel
- A real 4-wheel drive option may not mean better traction
 - Oil travels the path of least resistance
 - All the oil is being consumed by the spinning wheels that are trying to gain traction
 - 4-wheel traction control often results in the machine stalling
- The extra weight of a hydrostatic transmission and four wheel motors leads to the need for weight to be evenly distributed (50/50)
 - Once traction is lost, the imbalance of power causes the hydrostat to bury itself

HYDROSTAT OPTION

- Heavier machine resulting in more compaction
- More expensive purchase to do the same job
- More expensive to maintain
- More complicated to service
- Less fuel efficient

When considering a sprayer purchase, the buyer may be unnecessarily concerned about 4-wheel drive versus 2-wheel drive. This is especially true when comparing large capacity, self-propelled sprayers because the conventional drive system includes hydrostatic transmissions and wheel motors as the final drive on each wheel. **THROUGH OUR POWER-TO-THE-GROUND™ ENGINEERING TECHNOLOGY, THE MECHANICAL DRIVE REIGNS SUPREME WITH ITS POWER, DURABILITY, AND RUGGEDNESS.**





UNMATCHED TRACTION

- 30% of the weight is on the front wheels
- 70% of the weight is over the rear tires
- Lock-up torque converter and limited slip differential keep both rear wheels in contact with the ground and turning regardless of conditions
- Flex-frame construction ensures all four wheels are always on the ground
- Less weight than a comparable hydrostat, the Apache powers through extreme conditions
- Pivoting front axle and oscillating joint with pending patents set the Apache apart from the competition

WATCH THE FIELD TEST VIDEO

Visit our YouTube channel:

<http://www.youtube.com/equipmenttech1>

or simply search **"Apache Field Test"**



To watch more about
traction, go to:
www.ETsprayers.com

"Some companies talk about 4-wheel drive. I'd put this thing up against a 4-wheel drive any day. With those hydrostats you might get a couple of wheels spinning, but you're not going to get them all spinning. With this one you don't need to. If the back wheels are spinning and you use common sense, you're going to get through the mud."

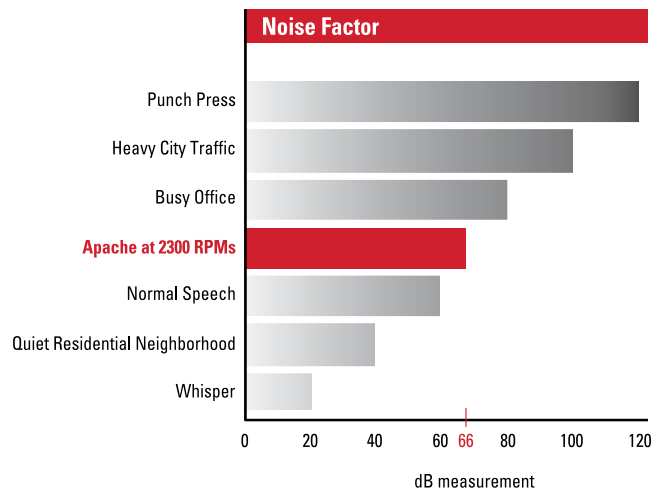
Todd George Hardy, Iowa

STATE-OF-THE-ART CAB

Spray application has never been so comfortable, or so quiet, as it is from the cab of an Apache. The **FLEX-FRAME CONSTRUCTION** and adjustable **ERGONOMIC SEAT** absorb shocks, providing a smooth, consistent ride. There's room for a second person in the **BUDDY SEAT**, which doubles as a portable cooler. An optional **VENTED AND HEATED LEATHER SEAT** circulates air, keeping the operator cool on warm days and warm on cool days. The **MULTI-POSITION STEERING WHEEL** does not require a tight grip, even in turns. Operators enjoy a **360 DEGREE VIEW**, thanks to more than 66 square feet of glass.

An **INTUITIVE CONTROL CONSOLE** places precision tools and the field computer of your choice within easy reach. The **ET PILOT SYSTEM™** is enhanced by a **NEW JOYSTICK** with "Braille," allowing operators to control an Apache by feel. Other ET Pilot System features include a 7-inch touchscreen display, **REARVIEW CAMERA** and in-cab display, **"PLUG AND PLAY" ISOBUS** technology, two cruise control settings, improved machine diagnostics and event logging, USB jack, electronically calibrated optional Adjust-on-the-Go (AOG) axles and two new features: three-speed windshield wipers and a foot throttle with deceleration setting. AOG-option Apaches come with a redesigned ladder.

Stream music or listen to dozens of radio stations through the **BLUETOOTH®-READY POLK™ AUDIO SYSTEM**, with SiriusXM™ satellite radio. Enjoy crystal-clear sound from four Jensen™ HP speakers.



The already low-noise Apache is **QUIETER STILL** in 2017. AS1030 and AS1230 models are 6 percent quieter, and AS730 model 1 percent quieter, than previous models. Noise is reduced through cabs being positioned away from the engine and transmission, advanced sound-deafening floor mats and liner, and a bellowed exhaust tube minimizing vibration and noise to the cab.





APPLY FASTER WITH APACHE'S BOOM LENGTHS AND WET SYSTEMS

A new boom rack common to all Apache models offers a stronger, more flexible, better protected and lower-maintenance boom package. The **REDESIGNED RACK** furnishes better boom cushioning, resulting in less wear and tear. **BOOM WINGS BREAK AWAY** when coming into contact with trees and other immovable objects, and spring back into place when the obstacle is passed. **NEW GREASELESS BUSHINGS** eliminate 27 of 32 boom rack and wing grease points, reducing maintenance time and cost.

POMMIER BOOMS

LENGTH	SECTION CONFIGURATION	NOZZLE SPACING	NOZZLE BODIES
100'	9	15" or 20"	3- or 5-way
120'	9	15" or 20"	3- or 5-way
132'	9	15" or 20"	3- or 5-way

Fence row nozzles available on one side or both.

ET CUSTOM BOOMS

LENGTH	SECTION CONFIGURATION	NOZZLE SPACING	NOZZLE BODIES
90'	9	15" or 20"	3- or 5-way
100'	9	15" or 20"	3- or 5-way
60' / 90'	9	15" or 20"	3- or 5-way

5-section boom available in lieu of standard. Nozzle spacings available on 5-section booms





EASILY ACCESSIBLE TANK REFILLS

The Apache's fill station is **IN ONE LOCATION**, and close to the cab entry, allowing you to fill both the product tank and standard **100-GALLON RINSE TANK** in minutes.

OUR WET SYSTEM REDUCES DOWNTIME

To keep the nozzle tips from becoming blocked, each boom section has a 1" strainer with a 50-mesh screen, and a 2" full-port Banjo® main product strainer with a 50-mesh screen.

Monitoring product tank levels is a snap through a **REDESIGNED SIGHT GAUGE** that is both easier to read and positioned for greater accessibility. An optional fill station monitor easily counts gallons added into the tank on a digital screen readout.

WET SYSTEM FEATURES

- Hand rinse valve
- LED lights for night work
- Fill station switches:
 - Night light, product pump on/off, agitation increase/decrease
- Remote battery connections
- Agitation and roto-flush valve
- Product tank 2" fill valve (optional 3" valve)
- Product tank/rinse tank valve
- Rinse tank fill valve
- Optional fill station monitor
- Optional Cleanload™ eductor

APACHE



Booms
Straight 90', 100', 120', 132' or 60'/90'

Beacon Light

Nozzle Spacing
15" or 20"

DEF Tank
(30 Series Only)




Axle Width
120" Fixed or 120"-160" Adjustable

Tire Width
Front Tires 12.6"-18.9"
Rear Tires 12.6"-31.5"






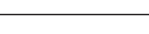
TIRE OPTIONS

Michelin Agriculture Tires come standard on all Apache Sprayers. Alternatively, the Apache Sprayer offers narrows, duals and floats.

FRONT

OPTION	SIZE	WIDTH	SERIES	MANUFACTURER
STANDARD	380/80R38	14.9"	AGRIBIB	
NARROW	320/85R38	12.6"	DT800	
FLOTATION	480/70R34	18.9"	OMNIBIB	

REAR

OPTION	SIZE	WIDTH	SERIES	MANUFACTURER
STANDARD	380/90R46	14.9"	SPRAYBIB	
NARROW	320/90R50	12.6"	ULTRA SPRAYER	
FLOTATION	620/70R42	24.4"	MEGAXBIB	
FLOTATION	800/65R32	31.5"	MEGAXBIB	
DUAL (STANDARD)	380/90R46	14.9"	SPRAYBIB	
DUAL (NARROW)	320/90R50	12.6"	ULTRA SPRAYER	

380/80R38
AGRIBIB



320/85R38
DT800



480/70R34
OMNIBIB



620/70R42
MEGAXBIB



320/90R50
ULTRA SPRAYER



380/90R46
Duals Available
SPRAYBIB



320/90R50
Duals Available
ULTRA SPRAYER



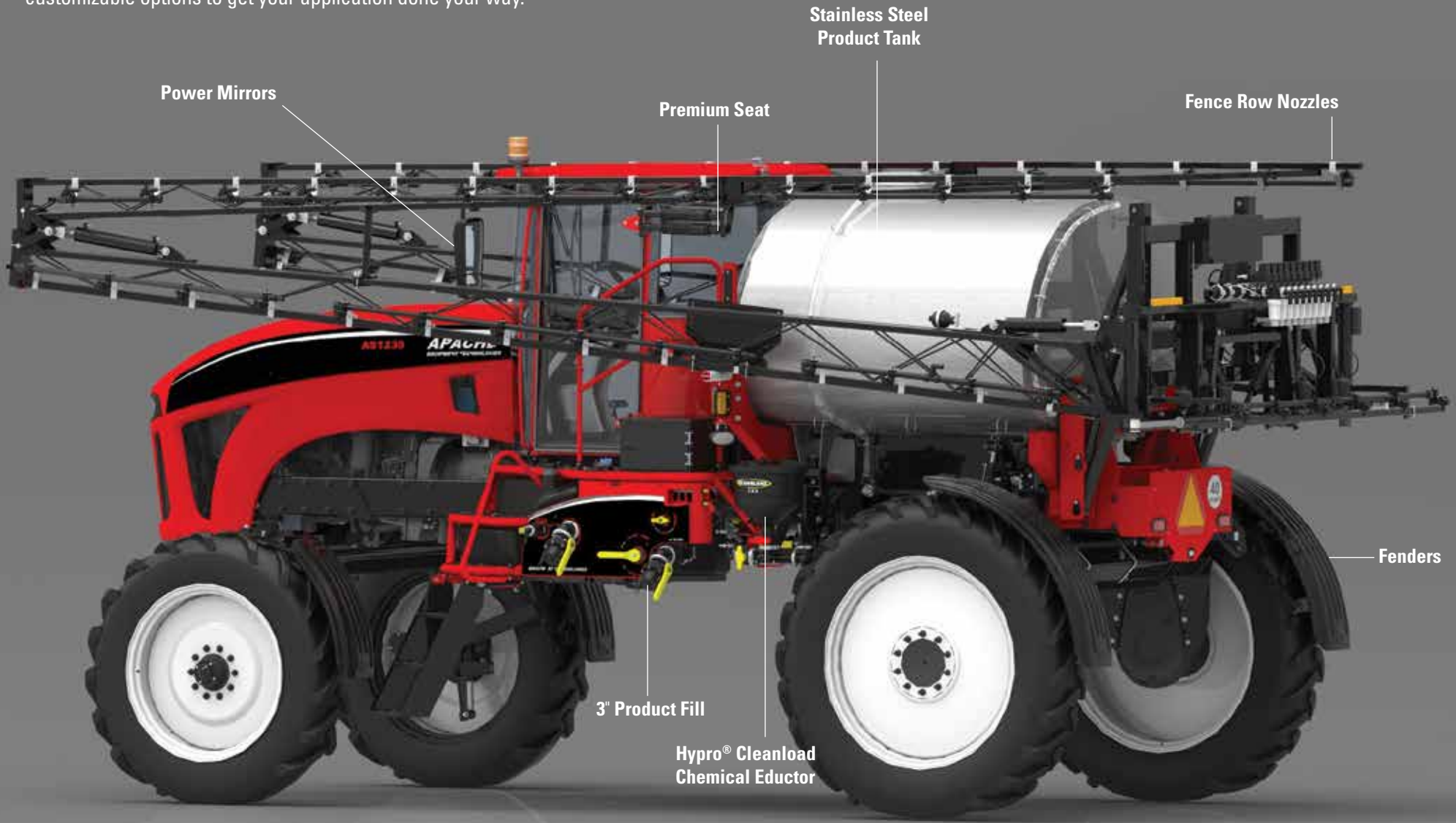
"I don't know why you would not consider an Apache. From my last sprayer to this one it was like operating a horse and buggy to going to a brand new pickup truck."

Todd Schapman Romeo, Michigan



CUSTOMIZATION THAT WORKS

We care about your success. Your needs as an applicator may be exclusive to your farm, and that's why we offer so many customizable options to get your application done your way.



THE BRIGHTEST LIGHTING PACKAGE

Our LED lighting package produces more light than previous Apache models while consuming less energy. Premium LEDs produce white light that reduces eye fatigue and operator stress. Rugged design withstands heavy vibration, corrosion, moisture, and dust.

Optional lighting package comes with:

- 12 aluminum housings
- 64 LED bulbs
- Estimated bulb lifetime of 42,500 hours
- Combination of long- and mid-range lenses for superior visibility
- LED hazard, brake and turn signals for night driving (standard)



PRECISION OPTIONS

FIELD COMPUTERS AND CONTROLLERS

- Brain of every precision system
- Provides centralized controls for all options

GPS ANTENNA AND RECEIVERS

- Determines accuracy of most other precision options
- Greater accuracy equals reduced input costs, reduced crop damage
- Less time spent in the field

AUTOMATIC SECTION SHUT-OFF

- Standard with 2017 factory-install of Raven™ or Trimble® field computer
- Auto shut-off of booms helps avoid spraying in no-spray zones
- Set overlap of spray product from pass to pass
- Reduces input costs
- Reduces operator stress and fatigue
- Allows for faster speeds in rows and turns

AUTO STEERING

- Creates precise lines in rows automatically
- Reduces time and input costs
- Travel at faster speeds in rows and turns
- Less crop damage
- Reduces operator stress and fatigue

BOOM HEIGHT LEVELING

- Automatically controls height of boom above ground
- User-friendly controls with instant power-on
- Greater boom stability
- Decreased wear and tear on boom
- Faster application speeds
- More even application
- Smoother ride and lower service costs
- Reduces operator stress and fatigue

We Are the Only Company to Factory Install:

RAVEN

Trimble



To view our precision options go to: www.ETsprayers.com/precision



20 SERIES | TIER 3

A final, limited run of Tier 3 Apache 20 series and Plus II models will be produced in the 2017 model year. AS720, AS1020, AS1220 and AS1220 Plus II models are still available while supplies last.

AS720



AS1020











AS1220







PLUS II



20 SERIES WHILE SUPPLIES LAST

UNIQUE FEATURES		AS720	AS1020	AS1220/AS1220 Plus II
ENGINE & DRIVE TRAIN	TRANSMISSION	 transmission Power Shift, 4-speed	 Power Shift, 6-speed with lock-up torque converter	 Power Shift, 6-speed with lock-up torque converter
	CUMMINS ENGINE	 Tier 3 160 hp	 Tier 3 215 hp	 Tier 3 215 hp AS1220 Tier 3 275 hp AS1220 Plus II
	TOP ROAD SPEED	28 MPH	35 MPH	35 MPH
CHASSIS & SUSPENSION	CROP CLEARANCE	 42" with planetary final drive 50" clearance with 18" drop box all-gear final drives (optional)	 42" with planetary final drive 50" clearance with 18" drop box all-gear final drives	50" clearance with 18" drop box all-gear final drives
	WEIGHT	19,200 lbs. (approx. dry weight)	19,500 lbs. (approx. dry weight)	20,300 lbs. (approx. dry weight)
	AXLE WIDTH	120" fixed 120" - 160" adjustable (with optional 50" clearance only)	120" fixed 120" - 160" adjustable (with optional 50" clearance only)	120" fixed 120" - 160" adjustable
PRODUCT TANK	TANK CAPACITY	750 gallons	1,000 gallons	1,200 gallons

COMMON FEATURES FOR ALL APACHE MODELS

ENGINE & DRIVE TRAIN	FUEL CAPACITY	100 gallons
CHASSIS, SUSPENSION & TIRES	SUSPENSION	Patented independent hydraulic
	BRAKES	Fully enclosed, self-adjusting, internal wet disc brakes
	FRONT TIRES	 380/80R38 (narrow and semi-float options available)
	REAR TIRES	 380/90R46 (narrow, semi-float and full-float options available)
	TRANSPORT WIDTH AND HEIGHT	144" maximum
	OVERALL LENGTH	290" maximum
SPRAY OPTIONS	BOOMS	 CUSTOM BOOM Straight 90' or 100'; or 60'/90'  Straight 100', 120' or 132'
	PRODUCT PUMP	HYPRO ® hydraulically-driven centrifugal product pump
	RINSE TANK	100 gallons
CAB	ET CUSTOM PRESSURIZED	State-of-the-art cab interior and console

PRECISION APPLICATION EQUIPMENT AVAILABLE FACTORY-INSTALLED ON ALL NEW APACHES BY  AND .

All Model Year 2017 Apache sprayers are available with optional ISOBUS-ready wiring in lieu of factory-installed field computers. Refer to your specific precision agriculture product documentation for compatibility information. Equipment Technologies factory installs all field computers using CAN bus wiring and protocols.

UNIQUE FEATURES OF THE AS730

Tank Capacity

750 gallons

Transmission

JCB transmission
Power Shift, 4-speed

Engine

Tier 4F 173 hp
Cummins engine

Top Road Speed

30 MPH

Weight

19,700 lbs (approx. dry weight)

Crop Clearance

42" with JCB planetary final drives
50" clearance with 18" drop box all-gear
final drives (optional)

List Price

\$254,980 (nicely equipped)

AS730





AS1030

UNIQUE FEATURES OF THE AS1030

Tank Capacity
1,000 gallons

Transmission
ZF Power Shift, 6-speed with
lock-up torque converter

Engine
Tier 4F 225 hp
Cummins engine

Top Road Speed
35 MPH

Weight
20,000 lbs (approx. dry weight)

Crop Clearance
42" with JCB planetary final drives
50" clearance with 18" drop box
all gear final drives (optional)

List Price
\$295,851 (nicely equipped)

UNIQUE FEATURES OF THE AS1230

Tank Capacity

1,200 gallons

Transmission

ZF Power Shift, 6-speed with
lock-up torque converter

Engine

Tier 4F 260 hp
Cummins engine

Top Road Speed

35 MPH

Weight

21,000 lbs (approx. dry weight)

Crop Clearance

50" clearance with 18" drop box
all-gear final drives

List Price

\$320,059 (nicely equipped)

AS1230





XP

UNIQUE FEATURES OF THE AS1230 XP

Tank Capacity

1,200 gallons

Transmission

ZF Power Shift, 6-speed with
lock-up torque converter

Engine

Tier 4F 300 hp
Cummins engine

Top Road Speed

35 MPH

Weight

21,000 lbs (approx. dry weight)

Crop Clearance

50" clearance with 18" drop box
all-gear final drives

List Price

\$332,361 (nicely equipped)

MY17 IMPROVEMENTS

ZF TRANSMISSION TUNING FOR 1000 AND 1200 GALLON SPRAYERS

Offers optimum smooth performance at both application and road speeds (available only on 30 series machines).

BETTER ON-MACHINE DIAGNOSTICS

Allows the operator to better diagnose and troubleshoot machine systems (engine/transmission controllers, joy stick, display, etc) via a screen tool on the in-cab display.

RAVEN HAWKEYE™ APPLICATION CONTROL SYSTEM

Next-generation pressure-based application control system for ultra-precision application, including turn compensation and individual nozzle on/off control (optional).

BANJO® BOOM MANIFOLD FLANGE FITTINGS (POLYPROPYLENE TUBING)

Industry proven leak-proof, quick-service Banjo fittings. Easy to replace in the field.

HYPRO® STAINLESS STEEL BOOM PLUMBING

Industry-proven HYPRO nozzles and stainless steel tubing (optional).

POMMIER 100-FOOT BOOM

Industry-leading Pommier 100-foot boom now available in addition to 120 and 132 Pommier aluminum booms (optional).

NEW LADDER FOR ADJUST ON-THE-GO MACHINES

Improved accessibility to adjust on-the-go machines (adjustable axle machines).

DIRECT CHEMICAL INJECTION

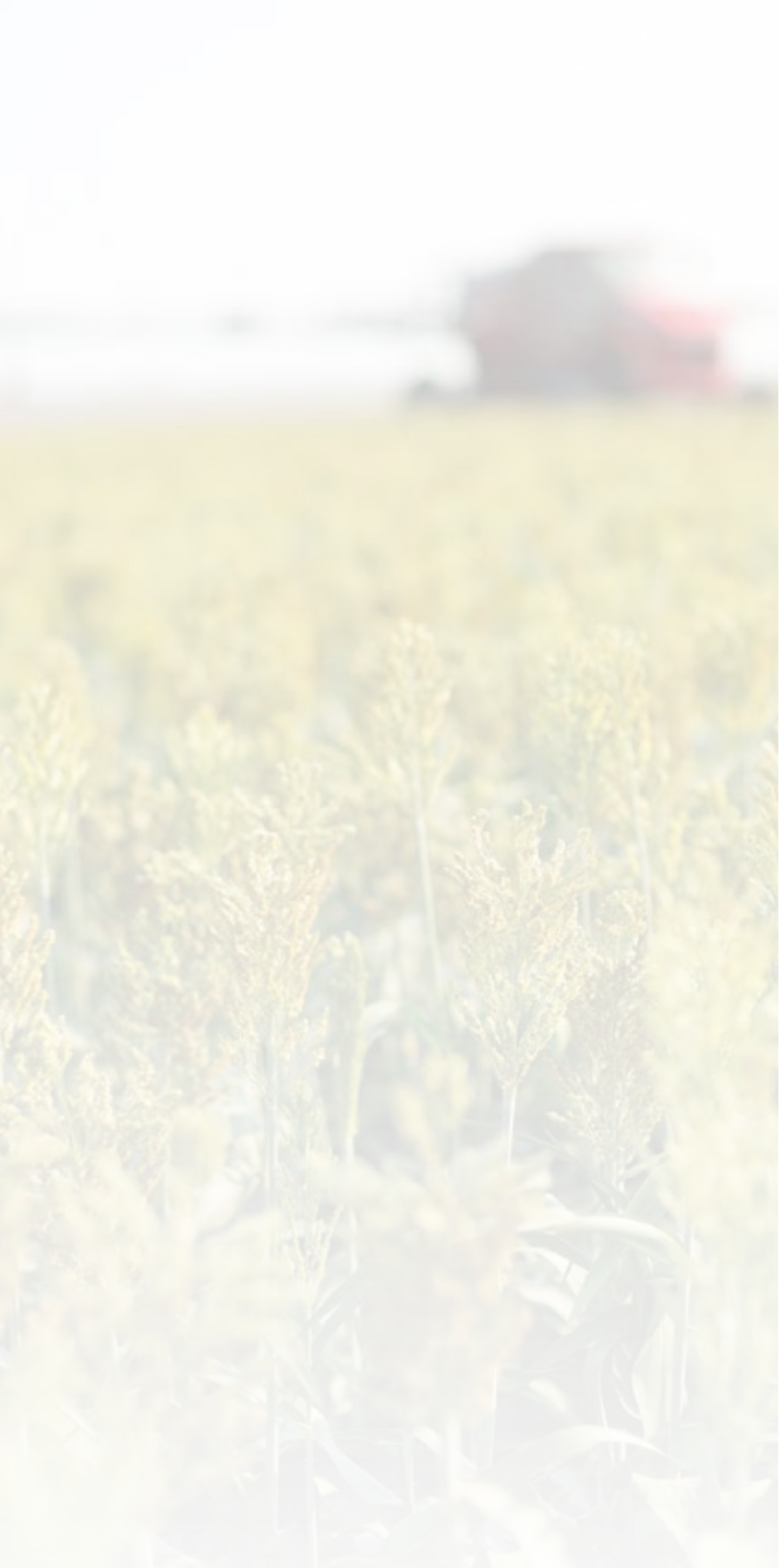
Provides flexibility in applying different chemicals. Concentrated chemical can be in-line mixed, allowing faster, easier tank rinse-out and reduced chemical waste (optional).

STRUCTURAL IMPROVEMENTS FOR 100-FOOT AND 90-FOOT BOOMS









Increased strength based on advanced Finite Element Analysis (standard for 90-foot and 100-foot steel booms).







Visit us at
www.ETsprayers.com
and use our Dealer
Locator to find your
nearest Apache
dealership.



UNIQUE FEATURES **AS730** **AS1030** **AS1230/AS1230 XP**

ENGINE & DRIVE TRAIN	TRANSMISSION	 transmission Power Shift, 4-speed	 Power Shift, 6-speed, lock-up torque converter	 Power Shift, 6-speed, lock-up torque converter
	CUMMINS ENGINE	 Tier 4F 173 hp	 Tier 4F 225 hp	 Tier 4F 260 hp AS1230 Tier 4F 300hp AS1230 XP
	TOP ROAD SPEED	30 MPH	35 MPH	35 MPH
CHASSIS & SUSPENSION	CROP CLEARANCE	 42" with planetary final drive (optional) 50" clearance with 18" drop box all-gear final drives	 42" with planetary final drive (optional) 50" clearance with 18" drop box all-gear final drives	50" clearance with 18" drop box all-gear final drives
	WEIGHT	19,700 lbs. (approx. dry weight)	20,000 lbs. (approx. dry weight)	21,000 lbs. (approx. dry weight)
	AXLE WIDTH	120" fixed 120" - 160" adjustable (with optional 50" clearance only)	120" fixed 120" - 160" adjustable (with optional 50" clearance only)	120" fixed 120" - 160" adjustable
PRODUCT TANK	TANK CAPACITY	750 gallons	1,000 gallons	1,200 gallons

COMMON FEATURES (ALL MODELS)

ENGINE & DRIVE TRAIN	FUEL CAPACITY	90 gallons
	DEF TANK	5 gallons
CHASSIS, SUSPENSION & TIRES	SUSPENSION	Patented independent hydraulic
	BRAKES	Fully enclosed, self-adjusting, internal wet disc brakes
	FRONT TIRES REAR TIRES	 380/80R38 (narrow and semi-float options available)  380/90R46 (narrow and semi-float, and full-float options available)
	TRANSPORT WIDTH AND HEIGHT	144" maximum
SPRAY OPTIONS	OVERALL LENGTH	290" maximum
	BOOMS	 Straight 90' or 100'; or 60'/90'  Straight 100', 120' or 132'
	PRODUCT PUMP	HYPRO® Hydraulically-driven centrifugal product pump
	RINSE TANK	100 gallons
CAB	ET CUSTOM PRESSURIZED	State-of-the-art cab interior and console



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