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DEAR READER,

are that I must try. It is what I call the "soul" of ET. Who is that soul? At the core, it is a cast of pretty unconventional and diverse characters who take our obligation to make sure the customer has a wonderful experience with our product as one of the most serious commitments in our lives—both personal and professional. Think of it as really practicing the Golden Rule. We are focused and have a low tolerance for nonsense (think anything that does not improve customer experience). We take immense pride in the products and services that we offer and it shows. We strive to please our employees by offering them a supportive, professional work environment in which they can grow, thrive and maybe even have some fun. Unlike most businesses, our employees can make mistakes without fear of being fired which means that they are willing to take risks and to make decisions on their own. If you see something wrong, fix it. If you know how to help a customer, do it. If you have an idea for improvement, make it happen. Performance leads to confidence, more confidence means even better performance. It's a beautiful loop. I guess you can think of it as an intense desire to be excellent at what we do.

It is hard for me to put into words what makes

important for you to understand who we really

our company such a special one, but it is so



I hope I have done some justice in describing our culture with just a few sentences. I think the customer excerpts in this literature will say it better. All together, we hope that it will give you a good feel for what we are all about and what has been one of the main drivers of our success the past twenty six years (no small feat for a manufacturer of large self- propelled sprayers competing against "the big boys". We are not just competing, we are thriving!). Thanks to all in our ecosystem—employees, dealers, customers, suppliers, families and friends. We feel lucky to be part of this special experience.

Matthew F. Hays

CHIEF EXECUTIVE OFFICER



WHY APACHE?

From our industry leading 5-year warranty, to being the only 4-time winner of the "Highest Retained Value" award by EquipmentWatch™ across all equipment and Ag categories—not just sprayers. Don't just take our word for it, Apache customers say it best:



"We've been happy with Apache! They are well-built, easy to maintain and simple to run. Plus, each one of our sprayes had some new model improvements along with size upgrades. We are on our 3rd machine and the new one is just as simple as our first 2001 model."

Dean Atkins, Illinois



"We've sprayed with Apache since 2005 and really like the mechanical drive. Apache Sprayers are so much lighter than all the other sprayers, which is a big advantage in wet conditions. Apache Sprayers are more affordable and the ROI is better than almost everything else on the farm."

Harvey Wildman, Minnesota



The 2023 Model Year Apache Sprayers feature an all-new steel boom and center rack offering plus new Precision Ag options by Ag Leader[®].



HS1100

Product Tank Capacity: 1,120 gallons

Weight: 28,225 lbs

Crop Clearance: 60"-70" hydraulic adjustable Engine: Cummins QSB6.7 300HP (rated)

See page 6



AS1250 & AS1250XP

Product Tank Capacity: 1,200 gal

Weight: 21,200 lbs

Crop Clearance: 50" with 18" drop box all-gear final drives.

Engine: Cummins B6.7 Performance Series 260HP and 300HP (rated)

See page 8



AS1050

Product Tank Capacity: 1,000 gal

Weight: 20,200 lbs

Crop Clearance: 42" with JCB planetary final drive or 50" with 18" drop box all-gear final drives

Engine: Cummins B6.7 Performance Series 225HP (rated)

See page 10



Product Tank Capacity: 800 gal

Weight: 18,400 lbs

Crop Clearance: 42" with JCB planetary final drive or 50" with 18" drop box all-gear final drives

Engine: Cummins B4.5 Performance Series

200HP (rated)

See page 12

AS650

Product Tank Capacity: 650 gal

Weight: 16,900 lbs

Crop Clearance: 42" or 48" based on tire selection

Engine: Cummins QSB4.5 163HP (rated)

See page 14

ENHANCEMENTS

Introducing New Model Enhancements for 2023!

NEW BOOM OPTIONS

Introducing New ET Custom Steel Boom and New Common Center Rack.



For the past three years, our Engineering Team has been hard at work on the Ceres Project—our top secret design and testing effort to completely revamp our 90 and 100 foot steel boom offering and redesign a completely new common boom center rack.

See page 16 to find out why we love it so much!

NEW PRECISION AG OPTIONS

Introducing NEW Application Controls
Ag Leader® InCommand1200 with SteerCommand Z2

Ag Leader®



InCommand1200 Field Computer with SteerCommand Z2 Guidance and Autosteer provide a solution for every operation in every season. Simplify crucial decisions that impact yield and profitability with new Precision Ag options from Ag Leader®.

See page 22 for more details.

HS1100 HYDROSTATIC







Maximum Crop Clearance

Conquer all season application with one machine—the Apache HS1100 rear boom sprayer. Equipped with a 60"–70" crop clearance that adjusts hydraulically on-the-go with a push of a button. You get the benefits of high crop clearance without sacrificing center of gravity when spraying low. A 120 or 132 foot boom on the HS1100 provides the ultimate reach in the field.

Smooth, Responsive Ride

The active pneumatic suspension (front and rear), hydraulic shocks and oscillating rear axle make for a smooth, responsive ride.

Comfort Cab

Designed with ergonomic comfort in mind, the HS1100 comfort cab offers climate controlled leather seat, simple machine controls, and intuitive joystick controls for ease of operation and improved operator productivity.



Crab Walk and Four Wheel Steer

The Apache HS1100 Hydrostatic Sprayer features four-wheel steering and slope compensation with back axle correction for better control on hills and headlands. The crab walk steer mode allows for enhanced mobility in tight places.

HS1100 Unique Features

Engine: Cummins QSB6.7 300HP (rated)

Transmission: Rexroth Hydrostatic

Crop Clearance: 60"-70" adjustable

Axle Width: 120"-160"

Tires: Michelin 380/90R46 front and rear

Product Tank: HDPE, high density polyethylene

Cab: Leather seat with heating and cooling

Warranty: 2 year bumper to bumper and 5 year limited warranty







AS1250 & AS1250XP MECHANICAL DRIVE



Ultimate Capacity

Apache AS1250 and AS1250XP are the largest capacity sprayers in the AS family, yet they weigh far less than the competition. The XP model features added horsepower to take on the most challenging conditions there are.



Legendary Row Crop Visibility

Like all of our AS sprayers, our easy access front entry and extra wide see-through catwalk provides maximum row crop and tire visibility all from the comfort of the AS1250 and AS1250XP cab.



Optimum Flexibility

Our 120" fixed axle width is standard, but for those who need some flexibility, we have that too. Adjustable axle width from 120"–160" is an available option for multiple crop operations.



Extra Power

Exclusive to the AS1250, the XP options upgrade provides the ideal combination of power, traction, and efficiency, along with the simplicity of a mechanical drive transmission.



Engine: Cummins B6.7 Performance Series 260HP and 300HP (rated)

Transmission: ZF 6 speed power-shift transmission

Crop Clearance: 50" with 18" Drop Box All-Gear Final Drives

Axle Width: 120" standard, 120"-160" optional

Tires: Michelin 380/80R38 front, Michelin 380/90R46 rear

Product Tank: HDPE, high density polyethylene

Optional Tank: Stainless Steel

Cab: Heated and cooled leather seat

Warranty: 2 year bumper to bumper and 5 year limited warranty







AS1050 MECHANICAL DRIVE



An Ideal Fit

Our 1,000 gallon AS1050 is an ideal fit for most any operation. Large enough for higher rate application yet still lightweight, maneuverable with great visibility.



Durable Transmission

A durable ZF 6-speed power-shift trans with lock up torque converter multiplies engine torque up to 2x. We take the 225 HP that our Cummins Series V Engine provides and put it to use as efficiently and effectively as possible.



Performance Without the Weight

With the AS1050, you get the features and benefits of power, efficiency, comfort, and durability- plus all the Precision Ag options you could want - without all the extra soil compacting weight.





AS1050 Unique Features

Engine: Cummins B6.7 Performance Series 225HP (rated)

Transmission: ZF 6 speed power-shift

Crop Clearance: 42"

Axle Width: 120" Axle width

Tires: Michelin 380/80R38 front, Michelin 380/90R46 rear

Product Tank: HDPE, high density polyethylene

Cab: Heated and cooled leather seat

Warranty: 2 year bumper to bumper and 5 year limited warranty



Options

You'll get the same superior fuel economy and state-of-the-art precision options you would in any of the other Apache models.



AS850 MECHANICAL DRIVE



Midsize Without Compromise

An ideal balance between our compact and large capacity-sized sprayers, the AS850 features an 800-gallon spray tank and a Cummins B4.5 Performance Series engine, so you won't have to compromise spray capacity and reliability.



Noise Dampening Comfort Cab

Just like all Apache Sprayers, the AS850 is fuelefficient, reliable, and provides leading operator comfort with state-of-the-art noise dampening inside the cab, a positive-position joystick and Bluetooth® capabilities.



Ease of Steering

The variable displacement load-sense piston pump provides the right amount of hydraulic flow at all speeds while reducing steering effort by as much as 20% for ease of steering at headlands, hills and tight corners.



"Apache Sprayers are simple in design, well balanced, light weight, and they keep making them better year after year."

Mike Wolford, Ohio



Engine: Cummins B4.5 Performance Series 200HP (rated)

Transmission: JCB 4 speed power-shift
Crop Clearance: 42" crop clearance

Axle Width: 120"

Tires: Michelin 380/80R38 front, Michelin 380/90R46 rear

Product Tank: HDPE, high density polyethylene

Cab: Leather seat with heating and cooling

Warranty: 2 year bumper to bumper and 5 year limited warranty





AS650 MECHANICAL DRIVE



Premium Cab

Small But Tough

hallmarks of the AS650.

Rugged, nimble, and built to go where others

won't dare. The AS650 is one tough sprayer with comfort and upgrades to spare. Uncompromising capability and elevated performance are the

A standard feature for the AS650, our premium cab includes a heated and cooled leather seat, high output lighting, power mirrors, XM radio, and a premium trim package inside the cab.



Agile Maneuverability

Engineered with a 164" short wheelbase, the AS650 has a turning radius of 17 feet to help operators maneuver in tight turnarounds and narrow roads.



AS650 Unique Features

Engine: Cummins QSB4.5 163HP (rated) Transmission: JCB 4 speed power-shift Crop Clearance: 42" crop clearance

Axle Width: 90"

Tires: Michelin 380/85R34 front, Michelin 380/80R38 rear

Product Tank: HDPE, high density polyethylene Cab: Leather seat with heating and cooling

Warranty: 2 year bumper to bumper and 5 year limited warranty

"Bought a new AS650 and love the new enhancements—the throttle, the air ride and the monitor. The dealer experience is excellent."

Don Schroeder, Missouri











NEW CENTER BOOM RACK





New Common Boom Rack

Our new boom center rack is designed for both the new steel boom and Pommier aluminum boom. Either way you choose, you get the best center rack we've ever experienced.

New Rack Suspension

Center pivoting and self-balancing, our new rack suspension features coil springs with adjustable hydraulic cylinder dampeners that infinitely adjust to local conditions. Why does this matter? Simply put, it isolates the roll of the chassis from the roll of the boom keeping your tips out of the dirt. Plus, it provides an improved operator ride without the need for complicated and expensive electronics.

FEATURES AND BENEFITS

- Prevents boom strikes and improves operator ride.
- Controlled testing achieved a 100% reduction in ground strikes vs. previous rack design.
- Adjustable hydraulic cylinder dampeners tailored for local conditions.
- Compatible with our boom leveling options.

NEW ET STEEL BOOM



Mid Boom Breakaway

The main boom structure is designed to last the life of the machine. Sensible and effective wear components simply bolt on and are easily replaced when needed. Our multi-point boom breakaway system includes a three axis (forward, backward and up), self-resetting system and is completely maintenance free.



New Steel Boom Wings

Now available in 60/90 or 60/100 configurations our new steel booms are structurally designed to withstand the demands of tough operating environments. Speed, rough terrain, immovable objects—bring it on!



Flexible Nozzle Spacing

Fully open boom bottom provides easy access to nozzles and plenty of space for pwm control systems, different nozzle spacing options, boom recirculation plumbing, stream bars and drop nozzles.



BOOM OPTIONS With Apache, You Have Options.

We offer a stronger, more flexible, exceptionally protected and lower-maintenance boom package than the competition. The increased cushioning on the boom rack minimizes 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 has passed. A common boom manifold allows for upgrades.



NEW STEEL BOOMS

AS SERIES

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

Fence-row nozzles available on one side or both.

POMMIER BOOMS (ALUMINUM)

- SECTION CONFIGURATION 9
- NOZZLE SPACING 15" or 20"
- NOZZLE BODIES 3-way
- LENGTH AS Series: 90', 100', 120' or 132' HS Series: 120' or 132'

Fence-row nozzles available on one side or both.

OPTIONS FOR BOTH HS AND AS SERIES



FENCE-ROW NOZZLES

These added nozzles are great for keeping fence lines and outer edges of fields clean. The extra nozzle can be added to the left or right side of the boom, or both.



3-INCH PRODUCT FILL

Fill up faster thanks to the upgraded 3-inch diameter product fill connection. You'd be surprised how much of a difference the additional 1-inch will make.

AS SERIES OPTIONS

SPRAYER OPTIONS With Apache, You Have Options.

is customized for you and your operational needs.

Our sprayers are reliable for many reasons, one being our lean manufacturing to build sprayers

exactly the way you want them. That means we don't force you to pay for the things you don't

want or need. Our "a la carte" menu gives you the freedom to choose upgrades, so your sprayer



POWER MIRROR (AS850, AS1050, AS1250, and AS1250XP)

Operators have the option of adjusting the single power side mirror attached to the cab from within the cab. Available on the AS850, AS1050, AS1250, and AS1250XP models.



HYPRO® CLEANLOAD™ (AS650, AS850, AS1050, AS1250, and AS1250XP)

The Hypro Cleanload is a self contained eductor system that allows operators to mix liquid and dry chemicals safely and quickly.



EXTRA POWER WITH XP (AS1250)

The XP package from Apache Sprayers provides the perfect combination of power, traction and efficiency, along with the simplicity of a mechanical drive transmission.



STAINLESS STEEL (AS1250, AS1250XP)

The 1200-gallon stainless steel product tank features a redesigned baffle, tank agitation, tank rinse, sump, sight gauge, and tank mounts.



PRECISION AG OPTIONS With Apache, You Have Options.

Our menu of add-on Precision Ag options give you gives you the freedom to build your new sprayer the way you want it. Apache Sprayers gives you the power to command, control, and improve virtually every spray application function with ease.

APPLICATION CONTROLS Choose one of the following options.

Ag Leader®



OPTION 1

AG LEADER INCOMMAND 1200 WITH STEERCOMMAND Z2

GUIDANCE AND STEERING

The ultimate field computer paired with highaccuracy auto steer connects your entire farm operation for year-round visibility and control.



APACITE.

OPTION 2

OPTION 3

ISO READY

RAVEN VIPER® 4+

ADVANCED FIELD COMPUTER

VIPER® 4+ provides a simple, precision Ag platform that integrates Raven's full line of products into one easy-to-use touchscreen interface. Customize your Viper 4+ Field Computer by user and job. Features: easy setup, fewer touches, and greater efficiency, allowing for exceptional spray rate control and extraordinary data management capabilities.

Supply your own ISO compatible screen and

RAVEN RS1®

ADVANCED GUIDANCE & STEERING

RS1 is Raven's fully scalable field navigation solution that combines autosteer, GPS, and Slingshot® into one easy-to-use unit. Incredible accuracy at both high and low speeds with quick line acquire, improves efficiency and gives you the power to cover more acres in a day.



OPTION 4

STEERING AND RATE CONTROL READY

Supply your own compatible steering and rate control from the popular manufacturer (those green tractors you may have heard of).





RAVEN AUTOBOOM® XRT

AUTOMATIC BOOM HEIGHT CONTROL

New radar sensor technology uses simultaneous ground and canopy detection to maintain optimal spray height for maximum product efficacy. Operators can reduce spray drift, minimize crop damage, and safeguard boom damage from ground strikes.



CAPSTAN AG PINPOINT® III ENVELOP®

ULTIMATE PRECISION

PinPoint III ENVELOP, the next generation of Blended Pulse PWM application, can handle the highest speeds, biggest booms, and largest flow rates with pinpoint accuracy and response. With all the features of PinPoint II, PinPoint III ENVELOP® adds predictive rate control to lock-on to target rate and Sensor Fusion Technology utilizes multiple sensor data points for the fastest and most reliable rate and pressure control even under the most challenging field conditions.



RAVEN HAWKEYE 2®

ULTRA-PRECISE NOZZLE CONTROL SYSTEM

Control weeds with Hawkeye® 2—the most precise nozzle control system in the industry. Up to 250% more accurate application than its competitors, Hawkeye® 2 provides individual nozzle control, precise droplet rate/size, and consistent spray patterns for maximum weed control and optimized input costs.



BOOM RECIRCULATION

PRIMED AND READY

Available at no additional charge with the Hawkeye 2 system or Pinpoint III.

By circulating the product from the outside tip of the boom and back to the center section, product settling is reduced, waste is eliminated and booms are ready for full pressure spraying with no lag time.

ONLY PAY FOR WHAT YOU NEED. NOTHING MORE. NOTHING LESS.

Customize your sprayer your way.



POWER AND PERFORMANCE

APACHE POWER-TO-THE-GROUND™

Conquer the toughest terrain with Apache Power-to-the-Ground technology.

EXPERIENCE UNMATCHED TRACTION IN ACTION





"There is no issue with power. We have sunk up to one foot in the peat beds, but the Apache just pulls through, and we have never been stuck. Even on the hills, it has never lost power."

- Mark and Scott Jencks, Iowa

"I like the simplicity of my Apache combined with the modern technology. I never have any trouble getting through the field. By owning my own machine I can spray when I want and buy from wherever I want."

Maurice Kruse, Illinois

John McCaw, Washington

"We crawl on a lot of steep hills over

calling it the 'billy goat' because it

wet conditions, fully loaded."

40% slopes. My neighbors have started

seems to crawl wherever I need to go-



UNMATCHED TRACTION

A full 90 percent of Apache Sprayers horsepower is transferred to the ground, compared to 70 percent from other sprayers.

POWER-TO-THE-GROUND™



POWER CONVERSION

A torque converter doubles the engine's ability to power through tough terrain, while a JCB limited-slip differential allows for sharper turns and better traction.



MODEL SPECIFICATIONS



SteerCommand Z2

SteerCommand Z2

SteerCommand Z2

TIRE OPTIONS

Michelin® Spraybib Tires come standard on all AS Series and HS Series models. Every tire used by Apache is inspected upon assembly to ensure that farmers enjoy a long service life. All Michelin Spraybib Tires feature exceptional load capacity, unmatched driver comfort and are rated for speeds up to 40 mph. The longer footprint allows for reduced soil rutting and optimized yields, while the reinforced tread design stretches the service life and increases stubble resistance.

380/80R38 AGRIBIB







320/85R38 DT800



380/90R46

Duals Available

SPRAYBIB



320/90R50

Duals Available

ULTRA SPRAYER

620/70R42

MEGAXBIB

Several tire options listed are available only as aftermarket purchases, not factory installed.

AS650

OPTION	ТҮРЕ	SIZE	WIDTH	SERIES	MANUFACTURER
Front	Standard	380/85R34	15"	AGRIBIB	MICHELIN
Front	Optional	380/80R38	15"	AGRIBIB	MICHELIN
Front	Narrow	320/85R38	12.6"	DT800	GOODYEAR®
Rear	Standard	380/80R38	15"	AGRIBIB	MICHELIN
Rear	Optional	380/90R46	15"	SPRAYBIB	MICHELIN
Rear	Narrow	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR
Rear	Flotation	620/70R42	24.4"	MEGAXBIB	MICHELIN
Rear	Flotation	800/65R32	31.5"	MEGAXBIB	MICHELIN

Standard tires adjust crop clearance to 42". Optional tires (Front: 380/80R38, Rear: 380/90R46) adjust crop clearance to 48".

AS850, AS1050, AS1250

OPTION	TYPE	SIZE	WIDTH	SERIES	MANUFACTURER
Front	Standard	380/80R38	15"	AGRIBIB	MICHELIN
Front	Narrow	320/85R38	12.6"	DT800	GOODYEAR
Rear	Standard	380/90R46	15"	SPRAYBIB	MICHELIN
Rear	Narrow	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR
Rear	Flotation	620/70R42	24.4"	MEGAXBIB	MICHELIN
Rear	Flotation	800/65R32	31.5"	MEGAXBIB	MICHELIN
Rear Dual	Standard	380/90R46	15"	SPRAYBIB	MICHELIN
Rear Dual	Narrow	320/90R50	12.6"	ULTRA SPRAYER	GOODYEAR

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HS1100

OPTION	TYPE	SIZE	WIDTH	SERIES	MANUFACTURER
Front & Rear	Standard	380/90R46	15"	SPRAYBIB	MICHELIN
Front & Rear	Standard	710/60R42	28"	XEOBIB	MICHELIN



ensure it is operating properly before use. ET Works Inc. reserves the right to make any improvements or changes to specifications and design without advanced notice. All

which the machine is used. Contact your nearest Apache Sprayer dealership for additional specifications as required. All rights reserved. Printed in the U.S.A.

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