

APACHE by **ET**
SPRAYERS



2021 APACHE SPRAYERS

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APACHE SPRAYERS

Power, performance, and value—that is what you can expect when you purchase an Apache Sprayer. We have been putting our customers first since 1997.

From our industry-best, 5-year warranty, to being the only 4-time winner of the “Highest Retained Value” award by EquipmentWatch™, we are constantly striving to make the customer experience even better. This year we are proud to introduce the new HS Series Sprayer to our line-up. No matter which model you choose, you can be assured that you will get the best performance and value when you run with Apache.





WHY APACHE?

COMMITMENT

Our commitment to you has never been stronger. We strive to make state-of-the-art improvements each year that directly benefit productivity, providing you with an even better value. We stand by every sprayer that leaves our factory, backing them up with an industry-leading, five-year warranty.

PERFORMANCE

Horsepower rating is essential—but only when it's powering your sprayer forward. Our AS Series powertrain with patented Power-To-The-Ground™ technology delivers more horsepower when you need it most. The newly upgraded Cummins Performance Series V Engine boasts increased power and torque for heightened productivity and fuel efficiency, saving you time and money.

DURABILITY

We focus on advancements that increase the durability of our sprayers. This year, we've released a new fixed-front axle for uniform steering, a redesigned front suspension, new front entry to cab, and an updated stainless-steel tank for ease of cleaning and operations. We work hard to ensure that our sprayers are at the pinnacle of endurance.



PRECISION

Our dedication to precision ag is unwavering, year after year. The robust Apache Precision package boasts best-in-class products from Raven Industries and CapstanAG, including in-cab remote support, allowing you to have all the assistance you need from factory-trained technicians.

RETAINED VALUE

We're proud to be top-rated in our industry for the best value. Our AS Series Sprayers retain an average of 72% of their value after five years. EquipmentWatch™ even named Apache Sprayers as a four-time award winner for Highest Retained Value across all equipment categories.



MODELS



AS650

The Apache AS650 is the lightest, most affordable self-propelled sprayer in the industry. It's built for the producer who wants to upgrade from a pull-behind to a self-propelled, or for the larger producer that needs an additional agile sprayer.

Tank Capacity: 650 gal

Weight: 16,900 lbs

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

Engine: Cummins Tier 4 Final, 163 hp (rated)



AS850

The Apache AS850 is perfect for the farmer looking for do-it-yourself control. Featuring an 800-gallon tank, the AS850 can work in challenging field conditions competitive sprayers cannot.

Tank Capacity: 800 gal

Weight: 23,000 lbs

Crop Clearance: 42" with 18" drop box all-gear final drives

Engine: Cummins Performance Series V, 200 hp (rated)



AS1050

With a 1,000-gallon capacity tank, the versatile Apache AS1050 Sprayer is the most popular model in the lineup, and includes boom and precision options to fit any operation. The product tank is large enough to cover acres, yet light enough to spray in challenging conditions.

Tank Capacity: 1,000 gal

Weight: 21,500 lbs

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

Engine: Cummins Performance Series V, 225 hp (rated)



AS1250/AS1250XP

The Apache AS1250 and AS1250XP are the largest sprayers in the AS family, yet they weigh far less than the competition. The XP model features added horsepower and is adaptable to ensure it meets all of your spraying needs.

Tank Capacity: 1,200 gal

Weight: 22,500 lbs

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

Engine: Cummins Performance Series V, 260 hp (rated)

Cummins Performance Series V, 300 hp (rated)

Optional: Stainless steel tank upgrade available



HS1100

Engineered for those seeking performance, crop clearance, ease of use, and flexibility—all with an industry-leading 5-year warranty. Lighter than the competition, it adjusts automatically from 60 to 70 inches, making it the tallest rear boom sprayer in North America.

Tank Capacity: 1,120 gal

Weight: 28,225 lbs

- Crop clearance that can be adjusted on-the-go from 60" to 70"
- 4-Wheel and Crab Steering
- Raven and CapstanAG Precision Options
- Front fill for product and rinse tank
- Custom pressurized cab with easy to use controls and vision

Transportation width and height: 144"

Overall length: 384"

Engine: Cummins 6.7L 300 hp (rated)

WARRANTY

Every sprayer that rolls off the assembly line includes a five-year limited warranty—the best in the industry. We are the only manufacturer with full machine coverage for the first two years (<1,000 hours); some exclusions apply.

Years 1-2: Limited warranty covers the total machine—parts and labor—for two years from the warranty start date or 1,000 hours, whichever comes first.

Years 3-5: Limited warranty covers powertrain and chassis components for parts only for years three to five from the warranty start date or 2,000 hours, whichever comes first.

Engine Warranty: The limited engine warranty is covered by Cummins Inc. for two years from the warranty start date or 2,000 hours, whichever comes first.

RETAINED VALUE

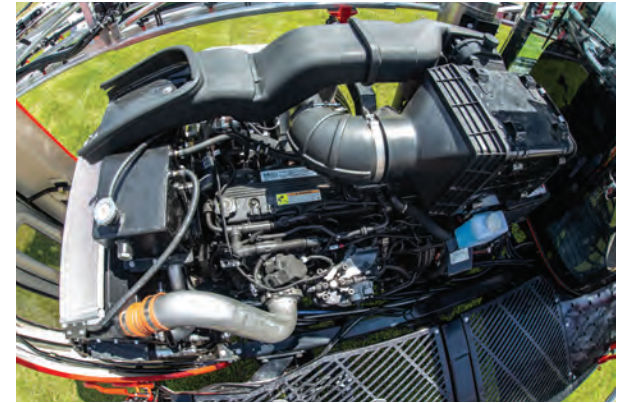
Unbeatable value, year after year. This year, EquipmentWatch™ named our AS Series Sprayers as a four-time award winner for Highest Retained Value (across all product categories – not just sprayers). The AS Series was praised for retaining the highest percentage of its original value after a five-year period. This has a significant impact on overall lifetime ownership costs and is one of the most important considerations during the buying process. We are proud to offer our customers peace of mind that their sprayer will provide long-term value for years to come.



POWER-TO-THE-GROUND™



Power when you need it most. Most ag sprayers require more horsepower because of their weight. Our AS Series Sprayers are engineered to be light in the field for less soil compaction and are equipped with horsepower and torque to conquer even the toughest field conditions. The AS Series Sprayers are rugged, dependable and built with the torque-converted power you need to get the job done. A full 90% of horsepower is transferred to the ground. All AS Series Sprayers feature a flex-frame construction that ensures all four wheels are always on the ground. Lock-up torque converter and limited-slip differential create constant contact with the ground rear wheels and keep them turning no matter the field conditions.



PERFORMANCE SERIES V UPGRADE

Ready for an upgrade? Featured on select AS Series Sprayers, the all-new Cummins Performance Series V Engine improves performance by up to 15%*. A fuel economy improvement of 8% and longer maintenance intervals help reduce the cost of operation and lower the overall Total Cost of Ownership.

*Performance increased by 15% for the AS850 model.



“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, Hawkeye, Iowa

2021 AS SERIES PRODUCT ENHANCEMENTS

Innovation is not just a passion; it is a promise. Our focus has always been on improving our models based on engineering advancements and feedback from our customers.



FRONT ENTRY TO CAB

New front entry, same legendary Apache view. Our engineering team preserved the visibility of the front axle, angling the grates, and performed test after test to ensure the view was not compromised. It's never been easier to climb into the driver's seat.



OPERATOR CONVENIENCE

To improve productivity and convenience, operators can now perform rinse, agitate, and other fill-station functions right from the cab (with the 3" fill option). We've also simplified our fuel and hydraulic tanks for ease of fill.



STAINLESS STEEL TANK

Exclusively for the AS1250 and AS1250XP, our stainless steel tank has been redesigned, including the baffle, tank agitation, tank rinse, sump, sight gauge, and tank mounts for better performance.



FRONT AXLE

More durable than ever. All AS Series Sprayers feature an improved front axle, making for uniform steering and better suspension with new struts boasting 8x better performance.



IR LED CAMERA

The Voyager VCMS20B high-resolution color IR LED camera boasts a 145 degree wide viewing angle that provides coverage and an improved depth of field. The high-performance color optics produces an enhanced, more realistic color reproduction and handles high bright scenarios with ease.

HS1100

Horsepower: Cummins 6.7L 300 hp (rated)

Tank Capacity: 1,120 gal

Crop Clearance that can be adjusted on-the-go
from 60" to 70"

Weight: 28,225 lbs

Boom: Pommier 100', 120', or 132' aluminum



AS1250XP

Horsepower: Cummins Performance Series V,
300 hp (rated)

Tank Capacity: 1,200 gal

Crop Clearance: 50"

Weight: 22,500 lbs

Boom: 90', 60/90', 100' steel or Pommier 100',
120', or 132' aluminum



2021 APACHE PRECISION PACKAGES

IN-CAB SUPPORT



VIPER® 4+

Viper 4+ integrates with Raven's full line of products into one networked platform that offers a capacitive touchscreen and an intuitive, tablet-style interface with swiping features and horizontal or vertical orientation. Easy job set-up, fewer touches, and greater efficiency allow for extraordinary data management capabilities.

ADVANCED STEERING



RS1™

RS1 is Raven's fully scalable GPS solution that combines autosteer, GPS, and Slingshot® into one intuitive, 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.

BOOM



AUTOBOOM XRT®

Raven's latest advancement in boom control. The new radar sensor technology uses simultaneous ground and canopy detection to maintain optimal spray height for maximum product efficacy. Pressure-based control allows for smooth movement and quicker reaction time, while center rack stability technology with optional dampers gives the operator complete control, maximizing boom life.



ULTRAGLIDE

Take advantage of Raven's ultrasonic sensors that gauge the distance to the ground with this fully-loaded boom height control system that's ideal for pre- and post-emergence applications. Includes a center rack control that makes it easy to return to spray and transport modes.

NOZZLE CONTROL SYSTEM

HAWKEYE 2®

Precision and durability like never before. This pressure-based product control system from Raven allows for exact sprayer application in a variety of conditions, reducing spray drift and getting the most out of every nozzle. Each nozzle is controlled by its own individual pulsing valve, giving you a consistent spray pattern as speed and conditions change.

CAPSTAN AG PINPOINT® II AND EVO SYSTEMS

Maximizing efficiency through increased accuracy. Factory-installed PinPoint II and EVO systems control flow or pressure at the nozzle. Together with individual nozzle boundary control, they provide an accurate and repeatable application to achieve the desired coverage.

SIDEKICK CHEMICAL INJECTION (AVAILABLE ON AS SERIES)

No tank mixing required and with the industry's first automatic calibration feature, you are ready to go in minutes. This simple system boasts greater precision, higher yields and unrivaled efficiency. Raven's Sidekick Pro direct injection systems help you save time and money on applications of herbicides, insecticides, drift agents and nitrogen stabilizer.



BOOM 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.



POMMIER BOOMS (ALUMINUM)

- **SECTION CONFIGURATION** 9
- **NOZZLE SPACING** 15" or 20"
- **NOZZLE BODIES** 3-way
- **LENGTH**
 - AS SERIES: 100'
 - AS SERIES & HS SERIES: 120'
 - AS SERIES & HS SERIES: 132' (20" Nozzle Spacing Only)

Fence-row nozzles available on one side or both.

ET CUSTOM BOOMS (STEEL)

AS SERIES

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

Fence-row nozzles available on one side or both.

OPTIONS

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 is customized for you and your operational needs.

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



CLIMATE-CONTROLLED LEATHER SEAT

Too hot or too cold in the cab? Our climate-controlled leather seats can provide the added heat or air conditioning needed to stay comfortable no matter the weather.



HYPRO® CLEANLOAD™

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



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.



STAINLESS STEEL

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



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.



PREMIUM CAB UPGRADE (AS650)

The new Premium Cab upgrade, exclusively for the AS650, includes heated and cool option for the leather seat, high output lighting, power mirrors, XM radio, and premium trim package inside the cab. Our AS650 has never been more comfortable.

STANDARD ON HS SERIES, OPTIONAL FOR AS SERIES



FENDERS (AVAILABLE ON BOTH THE FRONT AND REAR AXLES)

If you want mud splash-back protection, fenders are a great option to help keep things clean and prevent dust and mud clogs. Available in the front, rear, or a combination of each.



ENHANCED LIGHTING PACKAGE

Our optional LED lighting package produces more light, while consuming less energy. This lighting package features 64 LED bulbs, located above the grille and cab and next to the fill station. The lights are situated to reduce bounce-back reflection. LED bulbs have an average lifespan of tens of thousands of hours.



MODEL SPECIFICATIONS



AS650

AS850

AS1050

AS1250/AS1250XP

HS1100

PRODUCT TANK CAPACITY	650 gal	800 gal	1,000 gal	1,200 gal	1,120 gal
WEIGHT (APPROXIMATE DRY WEIGHT)	16,900 lbs	23,000 lbs	21,500 lbs	22,500 lbs	28,225 lbs
AXLE WIDTH	88", 90", 108" 114" or 120" fixed	120" fixed or 120"-160" hydraulic adjustable (optional with 50" crop clearance only)	120" fixed or 120"-160" hydraulic adjustable (optional with 50" crop clearance only)	120" fixed or 120"-160" hydraulic adjustable	120" - 160" hydraulic adjustable
TURNING RADIUS	17' 2"	20'	20'	20'	24' (Two-wheel steer) 13' (Four-wheel steer)
WHEEL BASE	13' 8"	15'	15'	15'	14' 7"
FRONT TIRES (STANDARD)	Michelin 380/85R34	Michelin 380/80R38	Michelin 380/80R38	Michelin 380/80R38	Michelin 380/90R46
REAR TIRES (STANDARD)	Michelin 380/80R38	Michelin 380/90R46	Michelin 380/90R46	Michelin 380/90R46	Michelin 380/90R46
CROP CLEARANCE	42" or 48" depending on tire selection	42" standard or 50" optional	42" standard or 50" optional	50"	60"-70" hydraulic adjustable
BOOMS	90', 60/90' steel or Pommier 100' aluminum	90', 60/90', 100' steel or Pommier 100', 120', or 132' aluminum	90', 60/90', 100' steel or Pommier 100', 120', or 132' aluminum	90', 60/90', 100' steel or Pommier 100', 120', or 132' aluminum	Pommier 100', 120', or 132' aluminum
RINSE TANK	50 gal	100 gal	100 gal	100 gal	110 gal
RATED HORSEPOWER	163HP	200HP	225HP	260HP or 300HP optional	300HP
DRIVELINE EFFICIENCY	90%	90%	90%	90%	75%
PTG:HP PER 1,000LBS	8.7	8.9	10	11 (12.7 with 300HP)	8
FUEL TANK CAPACITY	80 gal	90 gal	90 gal	90 gal	100 gal
DEF TANK	5 gal	10 gal	10 gal	10 gal	10 gal
SUSPENSION	Active airbag w/independent front suspension	Patented independent hydraulic	Patented independent hydraulic	Patented independent hydraulic	Four-wheel independent pneumatic suspension
BRAKES	Fully enclosed, self-adjusting, internal wet disc brakes	Fully enclosed, self-adjusting, internal wet disc brakes	Fully enclosed, self-adjusting, internal wet disc brakes	Fully enclosed, self-adjusting, internal wet disc brakes	Hydraulic brakes
TRANSMISSION	JCB powershift 4-speed	JCB powershift 4-speed	ZF power shift 6 speed	ZF power shift 6 speed	Rexroth hydrostatic
ENGINE	Cummins T4F	Cummins Performance Series V	Cummins Performance Series V	Cummins Performance Series V	Cummins T4F
PRODUCT PUMP	Ace hydraulic driven centrifugal	Hypro hydraulic driven centrifugal	Hypro hydraulic driven centrifugal	Hypro hydraulic driven centrifugal	Hypro hydraulic driven centrifugal
STEERING	Two wheel	Two wheel	Two wheel	Two wheel	Two-wheel or Four-wheel with crab steering
TRANSPORTATION WIDTH AND HEIGHT	144" Maximum	144" Maximum	144" Maximum	144" Maximum	144" Maximum
OVERALL LENGTH	290" Minimum	290" Minimum	290" Minimum	290" Minimum	372" Maximum
CAB	ET custom pressurized with state-of-the-art interior	ET custom pressurized with state-of-the-art interior	ET custom pressurized with state-of-the-art interior	ET custom pressurized with state-of-the-art interior	Siac custom pressurized with great visibility
PRECISION APPLICATION EQUIPMENT	Raven Viper 4+, Hawkeye, Accuboom, XRT, UltraGlide, RS1 steering, CapstanAG Pinpoint II, and EVO	Raven Viper 4+, Hawkeye, Accuboom, XRT, UltraGlide, RS1 steering, CapstanAG Pinpoint II, and EVO	Raven Viper 4+, Hawkeye, Accuboom, XRT, UltraGlide, RS1 steering, CapstanAG Pinpoint II, and EVO	Raven Viper 4+, Hawkeye, Accuboom, XRT, UltraGlide, RS1 steering, CapstanAG Pinpoint II, and EVO	Raven Viper 4+, Hawkeye, Accuboom, XRT, UltraGlide, RS1 steering, CapstanAG Pinpoint II, and EVO

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



620/70R42
MEGAXBIB



320/90R50
ULTRA SPRAYER



380/90R46
Duals Available
SPRAYBIB



320/90R50
Duals Available
ULTRA SPRAYER



AS650

OPTION	TYPE	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



ABOUT ET

Apache Sprayers' parent company, Equipment Technologies, was founded in 1997, with one goal in mind: build the best and most reliable agricultural sprayers. While other ag equipment manufacturers attempt to produce everything from combines to sprayers to lawn mowers, we have stayed true to our vision since the beginning. We focus all of our resources on creating the best ag sprayers in the industry and then we put all our cards on the table with the industry's best 5-year powertrain warranty.

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