

2011 Apache Sprayers



The next generation of Apaches are here.



The tradition of doing more with less lives on.

By pushing the concept of the mechanical drive even farther, we have delivered the most efficient Apaches yet.

We did this by listening to what's most important to our customer, the farmer who considers himself a businessman, and that is maximizing the resources needed to operate profitably. This is where our mechanical drive again proves how efficiently it manages resources. The 2011 Apaches deliver more power to the ground than ever before and they are thoughtfully engineered to optimize that power to ever-changing ground conditions – wet, muddy or hilly, it doesn't matter. The result is an overall operator experience unmatched by any sprayer on the market. But, it's obvious we didn't stop with the power train...



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Waste not, want not.

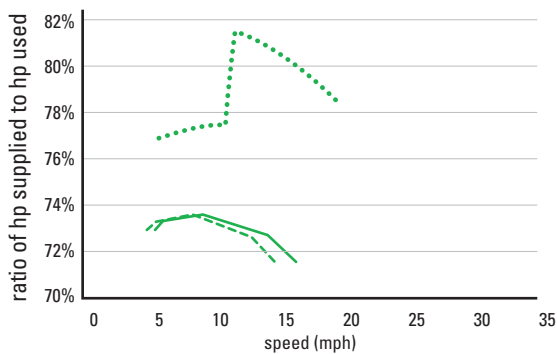


When you're the number one manufacturer of mechanically driven self-propelled sprayers, it's not about revolution...it's about evolution. And evolution is about survival of the fittest.

Like any other equipment purchase for the farm, your sprayer needs to cut waste and increase profitability. The largest area of waste on most sprayers happens in the power train. Precious energy in the form of horsepower is literally burned up before the wheels ever have a chance to spin.

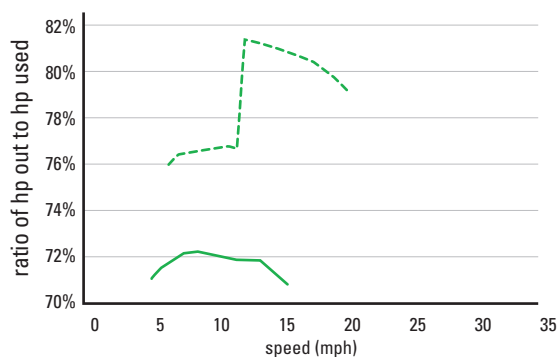
Power to the ground is the ultimate measure of the Apache's ability to maneuver difficult conditions. Thanks to our ultra-efficient, new ZF transmissions there is more horsepower making it to the ground than ever before making these models our truest and most efficient direct drive yet.

EFFICIENCY OF THE AS1020 DRIVE TRAIN



- 2010 Apache AS1010 with ITL Trans. (4th gear)
- - - 2010 Apache AS1010 with Funk Trans. (4th gear)
- 2011 Apache AS1020 with ZF Trans. (4th gear)

EFFICIENCY OF THE AS1210 DRIVE TRAIN

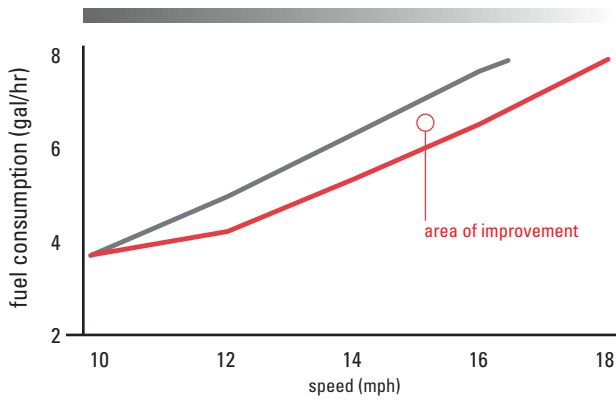


- 2010 Apache AS1210 with Funk Trans. (4th gear)
- - - 2011 Apache AS1220 with ZF Trans. (4th gear)
- 2011 Apache AS1220 with ZF Trans. (4th gear)

The AS1020 and AS1220 feature a new ZF Transmission with a lock-up torque converter. This transmission allows for as much as a 26% increase in ratio of power used to power supplied compared to the 2010 model year.

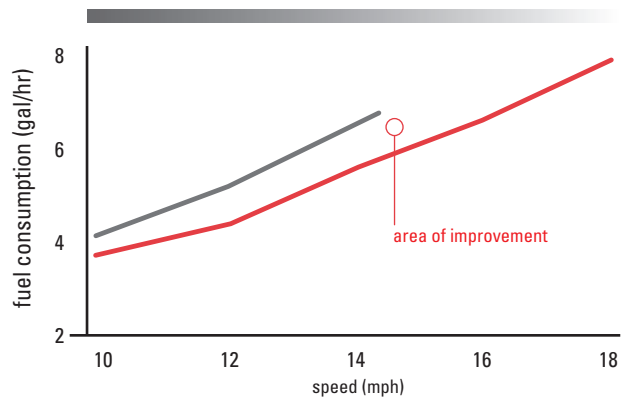


AS1010 FUEL CONSUMPTION



- 2010 Apache with ITL Trans. (4th gear)
- 2011 Apache with ZF Trans. (4th gear)

AS1220 FUEL CONSUMPTION



- 2010 Apache with Funk Trans. (4th gear)
- 2011 Apache with ZF 4th Trans. (4th gear)

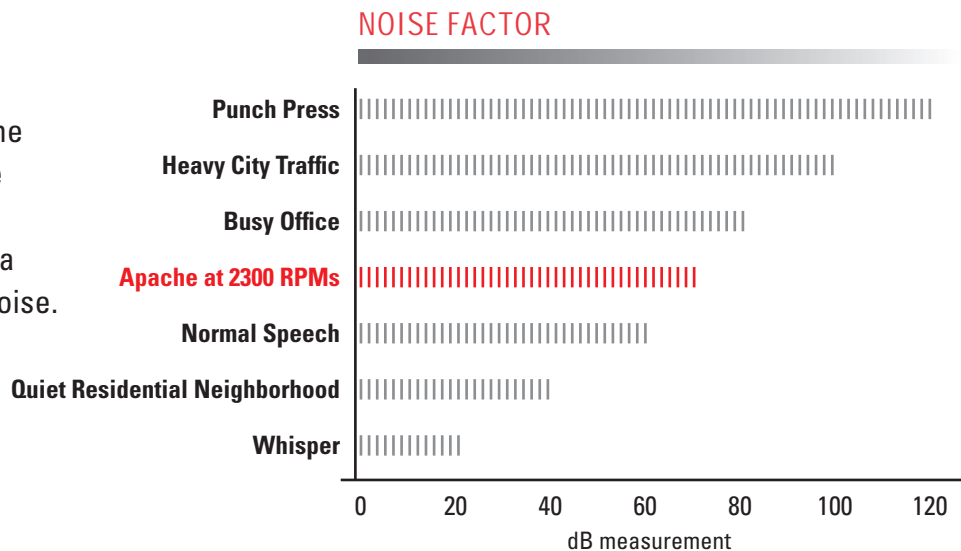
Another benefit of the Apache's re-engineered drive train is an increase in fuel economy of an estimated 9.3% on the AS1020 and 17.4% on the AS1220 at optimum spraying speeds between 12 and 16 MPH.

Simplicity and affordability doesn't mean sacrificing the good stuff.



The 2011 Apaches feature an all-new custom cab that boasts a 12% increase in overall floor space. And, new wrap-around glass now gives the operator views of the top of the front wheels and better views of the booms.

Noise sources such as the engine and exhaust have been moved farther from the operator resulting in a 9% reduction of in-cab noise.





SEAT & BUDDY SEAT

Teach someone about spraying or learn something from a buddy without compromising safety and comfort with the new, larger buddy seat.



CAB ENTRY

The new Apache cab features a rear-hinged door and larger catwalk to maneuver in and out of the cab.



ELECTRONICS & HVAC

HVAC adjustments have been placed in the steering column and the electronics are CAN-ready. The result is a layout that optimizes the operator's experience.



4-POINT MOUNTED CAB

The cab is now mounted in four points. This combined with a wider stance reduces the g-forces felt by the operator by 37.5% which makes for our most comfortable ride yet.

Precision options.



Guidance and Steering:

Raven SmarTrax™ AutoSteer

Auto-steering helps increase productivity by decreasing operator fatigue. The SmarTrax system runs at operating speeds of up to 27 mph.



Application Rate Control:

SCS 5000™ The SCS console is essential to monitoring efficiency, accuracy and ultimately profitability. Getting every drop of your chemicals has never been a higher priority for applicators.

Boom Control

AutoBoom™ The easy-to-operate AutoBoom system helps keep the booms level and out of the dirt as you drive over changing terrain. Functioning at speeds up to 20 mph, it increases the accuracy of rate control and lowers wear and tear on your booms. AutoBoom works seamlessly with the Envizio Pro and Viper Pro rate controllers.

AccuBoom™ AccuBoom reduces operator stress by automatically turning booms on and off. It reduces waste and simplifies application from point row to point row. Hilly terrain and contours no longer mean wasted chemicals. AccuBoom works on units with up to ten section booms (seven section for parallel).

Field Computers:

Integrating boom control, auto-steering and variable rate application, a field computer combines all things precision-spraying into a user-friendly interface.



Envizio Pro™ With its 6.4" LCD touch screen, the Envizio Pro simplifies the hi-tech precision-spraying experience by providing an intuitive interface that features multi-field views and full-motion field maps as you spray.



Viper Pro™ With its 10.4" LCD touch-screen, the Viper Pro takes the field computer to the next level. It features graphically enhanced field views and field maps with a back end powered by the Windows XP operating system. It also features "field-to-market" wireless internet.

Raven, Raven Smartrax Autosteer, AccuBoom, SCS 5000, Envizio Pro and Viper Pro are registered trademarks of Raven Industries.

New Standards.



AXLE WIDTHS

New, wider 120" - 160" adjustable axles are great for growers who need a wider stance either for row spacing or stability.



LIGHTING PACKAGE

Experience better illumination in and outside the cab with a 22% increase in the number of bulbs compared to last year's base lighting package. All exterior lights except the hood lights are adjustable and are dual-beam Hella bulbs.



FILL STATION

The new and improved fill station features a more intuitive layout and LED lighting system so you can quickly, accurately and safely get busy spraying.



LARGER RINSE TANK

Simply one less thing to worry about, the Apache now comes standard with a 100-gal rinse tank.

Demo an Apache and learn more today:



call to talk to an Apache expert at 877.398.6164



click to see our 360° walk-around @ ETsprayers.com



stop by to contact a dealer and request a demo at: ETsprayers.com/dealer



Industry-leading, five-year warranty and New ET Guardian end-of-year one maintenance and inspection plan.

The ET Guardian program builds upon our already industry leading warranty. This end-of-year one inspection is performed by your dealer no later than within 30 days of the first anniversary of the date your Apache* was delivered. And, the inspection is paid in full by Equipment Technologies in partnership with your dealer... a \$600 value! The plan is designed to prevent down-time and ensure maximum operating conditions for your second season of ownership. It is our way of ensuring that Apache owners have the highest levels of customer satisfaction possible.

* ET Guardian applies to all 2010 and newer Apache models only.



Free cost of ownership consultation

The purchase of an APACHE is a decision that quickly pays for itself. Call us today and we will provide a free, no-obligation cost of ownership analysis that demonstrates your return on the investment in an APACHE specific to your farming operation.

877.295.4172



The most efficient Apache yet.

Common To All **AS720**

AS1020

AS1220

ENGINE & DRIVE TRAIN		CHASSIS, SUSPENSION & TIRES		CAB
TRANSMISSION	ITL/JCB transmission Power Shift, 4-speed	ZF Power Shift, 6-speed w/lock-up torque converter	ZF Power Shift, 6-speed w/lock-up torque converter	
CUMMINS TIER III ENGINE	160 hp	173 hp	215 hp	
FUEL CAPACITY (Diesel)	100 gal.	100 gal.	100 gal.	
TOP ROAD SPEED	28 MPH	35 MPH	35 MPH	
CROP CLEARANCE	42" w/ ITL/JCB mechanical final drive 50" w/Fairfield, 18" drop-box, all gear final drives	42" w/ ITL/JCB mechanical final drive 50" w/Fairfield, 18" drop-box, all gear final drives	50" w/Fairfield, 18" drop-box, all gear final drives	
AXLE WIDTH	120" fixed width axle 120" - 160" adjustable axle width w/optional hydraul. adjust	120" fixed width axle 120" - 160" adjustable axle width w/optional hydraul. adjust	120" fixed width axle 120" - 160" adjustable axle width w/optional hydraul. adjust	
WEIGHT	17,400 lbs. (approx. dry weight)	18,500 lbs. (approx. dry weight)	20,900 lbs. (approx. dry weight)	
SUSPENSION	Patented Independent Hydraulic	Patented Independent Hydraulic	Patented Independent Hydraulic	
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	
FRONT TIRES	Titan 380/80R38 (narrow, semi-float and full-float options available)	Titan 380/80R38 (narrow, semi-float and full-float options available)	Titan 380/80R38 (narrow, semi-float and full-float options available)	
REAR TIRES	Titan 380/90R46 (narrow, semi-float and full-float options available)	Titan 380/90R46 (narrow, semi-float and full-float options available)	Titan 380/90R46 (narrow, semi-float and full-float options available)	
TRANSPORT WIDTH AND HEIGHT	144" maximum each	144" maximum each	144" maximum each	
OVERALL LENGTH	290" maximum	290" maximum	290" maximum	
TANK CAPACITY	750 gallons	1000 gallons	1,200 gallons	
ET CUSTOM BOOMS	○ straight 80', 90' or 100' combo 60'/80' or 60'/90'	○ straight 80', 90' or 100' combo 60'/80' or 60'/90'	○ straight 80', 90' or 100' combo 60'/80' or 60'/90'	
PRODUCT PUMP	○ Hydro, hydraulically driven centrifugal product pump	○ Hydro, hydraulically driven centrifugal product pump	○ Hydro, hydraulically driven centrifugal product pump	
RINSE TANK	○ 100 gallons	100 gallons	100 gallons	
ET CUSTOM PRESSURIZED	○ 4-point fulcrum mounted cab with wrap-around glass, improved in- and out-of cab lighting and rear-hinged door	○ 4-point fulcrum mounted cab with wrap-around glass, improved in- and out-of cab lighting and rear-hinged door	○ 4-point fulcrum mounted cab with wrap-around glass, improved in- and out-of cab lighting and rear-hinged door	

PRECISION APPLICATION EQUIPMENT AVAILABLE FACTORY INSTALLED ON ALL NEW APACHES:

Application Rate Control: **SCS5000™**, Field Computers: **Envizo Pro™** or **Viper Pro™**, Boom Leveling: **Auroboom™**, Boom Shutoff Control: **Accuboom™**, Guidance & Steering: **SmartTrax™**, RTK Correction: **Slingshot™**



EQUIPMENT TECHNOLOGIES 
Tough sprayers - Thoughtfully engineered.
ETsprayers.com

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