



Amazone UF2002 mounted sprayer with FT1502 front tank:

More volume, more comfort

The new Amazone UF2002 mounted sprayer has a massive 3,500-litre capacity when combined with the FT1502. Find out what else is new in our exclusive driving impression

As well as more tech, the latest range of Amazone mounted sprayers also offer more capacity. In fact, if you want to see where the range has changed take a look at our 10/2017 driving impression of the then flagship UF1801 and FT1001 front tank combination and

Easier attachment

First up, is a new coupling system. For the UF02 range, Amazone developed new storage wheels (with brakes) that easily swing in and out of position. Instead of the familiar quick-coupling frame, there is now the option of releasing the top coupling point so it folds forward to attach to the top link – a solution that is already used on a competitor's machine. This leaves more space for attaching the electrics, hoses and the pto shaft before inching back to couple the lower links. There are also newly designed coupling pockets with two holes arranged behind each other (spaced about 80mm apart) to accommodate

Cat III pins. This will be a big help for tractors with short and long lift arms and allows you to couple the sprayer as close as possible to help balance the spraying rig. Once the lift arms have clicked into position the top link is locked home.

The UF2002 with the 30m wide Super S2 boom has a claimed unladen weight of 1,550kg. An empty FT1502 front tank weighs in at 225kg, so the tractor already has 1,775kg hanging off it. Add a total of 3,500-litres of spray and 350l clean water, the total weight hits 5,625kg. But there are only a few tractors such as the Massey Ferguson 7700 or Fendt 700/800 which have enough payload to legally travel on public roads with this weigh. So, check beforehand whether your tractor can carry the extra load.

New pumps, new operation

Starting at the new control centre, this is now tucked behind a door. Once opened, you find holders for gloves and a measuring jug plus

a new, specially developed seven-way pressure valve. This switches all of the functions on the pressure side via low-wear poppet valves that sit on top of the flow line. Hose length has been kept to a minimum. Another change is the 60-litre induction hopper with lots of practical details such as a sieve, special pressure face on the rinsing

KEY POINTS

- ▶ The UF02 has a new control layout, tank capacities up to 2,000-litre and 25cm nozzle spacing.
- ▶ The up to 1,500-litre front tank and up to 2,000 litre rear tank turn the tractor into a self-propelled sprayer, provided it has enough payload and the owner enough cash in the bank.
- ▶ The featured combination carries a price tag of nearly £86,000.

Amazone's UF2002 and FT1502 turn this tractor mounted spraying rig into a self-propelled rival.



New storage wheels conveniently fold as a pair from the rear.

The quick-coupling frame has been replaced by a release mechanism for the top link for easier hitching on and off.



for a 150l/min auxiliary pump that is flanged to the main pump.

Provided you have the 'Comfort' package, which the featured UF2002 did, you can program an automatic fill stop (also an option for pressure filling) from the TwinTerminal 3.0 on the operator centre on the side or start automatic cleaning from the cab. There is also an 'auto dynamic' agitator control that controls the stirring intensity relative to amount of liquid in the tank and the current application rate.

nozzle for cleaning the can's neck, a drip-off area for rinsed containers and a holder for the measuring cup. The inductor can be operated with clean water when filling via the suction hose or taken from the fresh water tank and according to Amazone has a suction capacity of 150l/min. We were impressed by the new mixing nozzle at the bottom of the manifold, which quickly flushed 25kg of Epsom salt into the sprayer.

The filling performance is equally impressive with the pump and injector delivering up to 450l/min. For this task, Amazone relies on a new generation of diaphragm pump sourced from Comet that rates at up to 300l/min. Larger diameter pistons mean the diaphragms should last longer.

Front and rear into one

'Flowcontrol+' is the magic word when it comes to the FT1502 front tank. This allows the front unit to be fully integrates into the filling, spraying and cleaning system - thanks

DATA SHEET

Amazone FT1502 and UF2002

Working width	30m, 60 nozzles with individual control
Pump	300l/min plus 150l/min
Spray tank	2,000 litre nominal volume and 2,100l actual volume (UF2002) 1,500 litre nominal volume and 1,650l actual volume (FT1502)
Sprayer dimensions	2.00m long, 2.40m wide, 3.15m high
Weight	1,550kg (kerb weight of UF2002), 225kg (FT1502)
Price	£85,695 for the combination in full spec

Manufacturer information

Cleaning is done in two separate routines. Each uses automated switching sequences, for example boom rinsing or even the intensive cleaning which washes the complete sprayer including the front tank. This allows the agitator, pressure control, return flow and other valves to be switched individually during cleaning. And depending on the nozzle configuration, this is possible in less than 10 minutes.

Proven spray tank, established boom

Amazone sticks with a polyethylene spray tank with smooth internal surfaces. One change is the eight-fold locking system for the lid which is already used on the firm's trailed sprayers. The lift mast for the boom with plastic glides has also been optimised. The boom itself has seen very minor changes. There is still a choice of simple, horizontal fold

The control layout (left) lives behind a door. An electric suction tap and the seven-way pressure tap result in a clutter-free layout which also has shelves.



'Q-Plus' (12-15m) or the vertical folding Super-S1 (15-21m) or Super-S2 (15-30m). We already looked at the latter in the 2017 test. A new option on UF02 fitted with the S2 boom is the single nozzle control 'AmaSwitch' with a manually adjustable body with four nozzles and there is the option of 25cm nozzle spacing. The single nozzle control then allows a pressure recirculation which Amazone calls DUS Pro. However, the 'HighFlow+' spec from the UX01 trailed sprayers that uses a second flow meter with additional feed in points in the boom is not available on the mounted UF02 so the maximum application rate is 200l/min.



The dribble hoses articulate so they do not stick out to the side. There is now the option of 25cm nozzle spacing.



New dribble hoses and Amatron 4

On the dribble hoses for the Super-S boom, all of the hoses have an elbow under the bayonet joint. This allows them to simply fold downward when the boom is folded for transport into its vertical position and they no longer stick out like a sore thumb. The last point is operating the sprayer from the cab. As well as the familiar AmaPilot+ joystick and ISObus compatible AmaPad display, the new sprayer is available with the Amatron4 terminal (profi 7/2020) that allows additional functions such as 'DistanceControl' including GPS based section control for up to 60 nozzles.



The full spec - Amatron 4, iPad and AmaPilot+ joystick. The camera is located on the left side of the front tank and uses a separate display.

The front tank now holds a massive 1,500-litres and as an option can be completely integrated into the system.

Self-propelled contender

Equipped with the new 1,500-litre front tank and the 'FlowControl+' the UF2002 mounted sprayer can turn your tractor into a fully-fledged self-propelled. The fly in the ointment is that it needs a tractor with a sizeable payload - more than 5.5t. There is also the small matter of the price tag, which is £85,695.

Even if you do not go for the largest tank sizes in the range, the UF02 series brings a host of improvements such as the new valve layout and filling station. In entry-level spec, with an 18m boom, this machine costs £31,495.

Hubert Wilmer