

DAMMANN[®]



**Pflanzenschutztechnik
Fahrzeugtechnik
Airporttechnik**

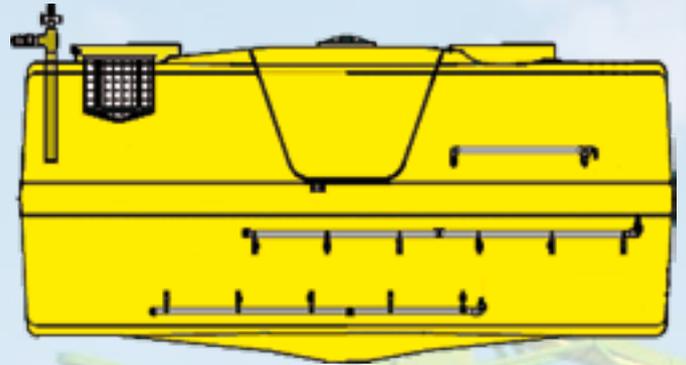
Land-Cruiser Trailed sprayer

**Working widths: 15 - 28 m
Tank capacity: 3000 l and 4000 l**



Trailed sprayer Land-Cruiser

The trailed sprayer Land-Cruiser, 25 km/h, with a tank capacity of 3000 and 4000 litres and working widths from 15 to 28 metres. The perfect alternative to a mounted sprayer system, the work capacity is greatly increased due to the larger tank capacity and the option for wider booms. The impact on the ground and crop is also greatly reduced as the weight is spread over 3 axles rather than 2 and allows for higher ground clearance. Due to better weight balance the required pulling force is low meaning the trailer can be pulled by smaller tractors.



Spray computer SPRAYDOS

SPRAYDOS is a clear control unit for the Land-Cruiser. It's a computer and controlling device rolled into one. The spraying quantity is calculated precisely and controlled. The spraying quantity is adjusted automatically to the speed at the same time. All operations are controlled via the equal pressure control unit.



Drawbar

Stable drawbar with upper clevis type coupling in the hitch of the tractor. The piston diaphragm pump driven by the p.t.o. shaft is located centrally on the drawbar and ensures an easy and quick coupling.

The interaction of pump, injector and induction centre

The robust self-priming piston diaphragm pump reaches a suction performance of up to 600 l/min. with the help of the injector. This makes the filling of a tank of 3000 l capacity in 5 minutes possible. The injector makes the suction of solids from inductor into the tank possible due to the vacuum suction principle. It sucks the solids from the hopper with 400 l/min. The induction hopper has a capacity of 30 litres and is supplied with fresh water during the filling which is used for rinsing and diluting. The induction hopper is equipped with a high pressure canister cleaning nozzle.

All valves and connections are located centrally near the induction hopper and ensure an easy operation of the Land-Cruiser.



Gel-Coated GRP tank

The Dammann tank can be cleaned easily with the mounted cleaning nozzles due to its special Gel-Coated surface and the established rectangular body shape with a deep outlet and 10 % safety reserve. The well placed baffles ensure additional safety when braking and avoid accidental weight transfer of the content. The fresh water tank integrated in the middle of the tank and has a capacity that is enough for the cleaning of the whole device.

Nozzle carrier and nozzle pipe

The Land-Cruiser is equipped with a triple nozzle carrier and a 1/2" VA nozzle line as standard. The three sets of the nozzles can always be controlled and don't have to be replaced when changing the application.

The division of the boom sections is customised to the customer's desires. You can select from 5 to 9 sections.



Basic equipment without mudguard and mud flaps



Lift mast

The stable lift mast ensures a continuous adjustment of the height without weight transfer due to its mounting behind the tank and the axle. All lines and hoses are mounted in a link chain routing in the lift mast.

The stable pendulum suspension ensures safe boom guidance in uneven terrain. It damps vertical and horizontal impacts and ensures an optimum control of the boom.



G boom

The specially formed G boom has been developed to protect the nozzles with its special shape. You can work in hilly terrain without problems due to the standard equipped slope control. The outer boom is of aluminium to reduce the weight and is equipped with a double collision safety device.



Special equipment

You can modify the Land-Cruiser to your desires with special equipment. Some examples of the possible options:

- » The large induction centre with an additional nozzle and the storage compartment is a good complement.
- » TankControl, the electronic fill level indicator.
- » Optional steering drawbar.
- » Damped vibration of the drawbar.
- » Mudguards with mudflaps.
- » Piston diaphragm pump with 320 l/min.
- » Boom lighting with LED or H3 working lights.
- » Outer cleaning with cleaning brush or Vario spraying pipe.
- » Storage box for PPE protection clothing.
- » Section-Control-Box.
- » Special folding and flange plates for further working widths.
- » 40 km/h version.
- » ISOBUS job computer, control terminal and multifunctional handle for the controlling of the Land-Cruiser.
- » Etc.



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