HERBST

G 1552

Sprayer test 1000

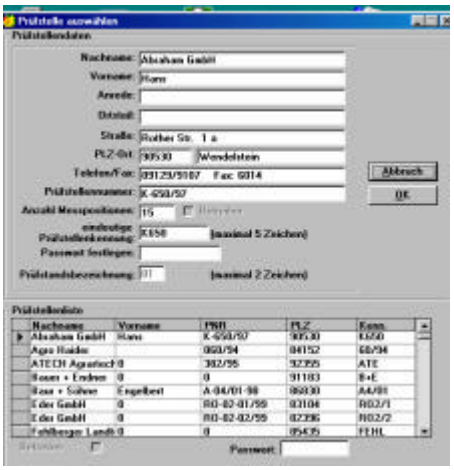
the only proved and JKI-acknowledged Distribution Testing System in Europe at the moment!

Mobile Electronic Sprayer Test Equipment for testing the distribution of agricultural field sprayers:

The MAIN advantages of the Herbst-System:

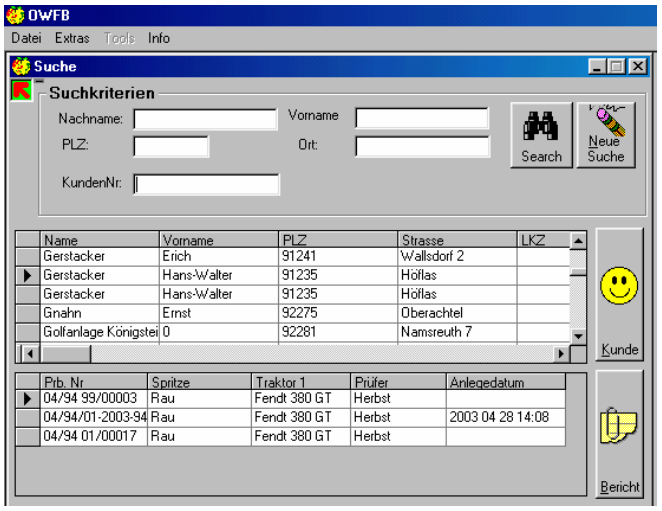
- Ultrasonic sensors fitted to the top of the measuring glasses – so it is possible to test even with contaminated fluid.
- Manufactured using stainless steel with robust outflow valves provides reliability and long service life.
- The measuring glasses are filled in a way that excludes the air when testing "air inclusion" type nozzles. E.G. ID, IDK.
- Online-Radio Link to the Computer: The measurement can be monitored from a remote terminal. If required this test can be stopped at any time during measurement operation. A bad part of the measurement can be tested again – controlled directly from the computer with a mouse-click. This reduces the time required for any re- testing required.
- The Windows based Software is easy to understand. It includes a customer database with the possibility for printing test-reports at any time on request "No requirement to write the test-report by hand".
- For every item required under the sprayer test regulations you can view a comment in the background.
- All data needed in the report are collected in lists – no need for the mechanic writing them again and again.

The distinguishing marks of the Software.



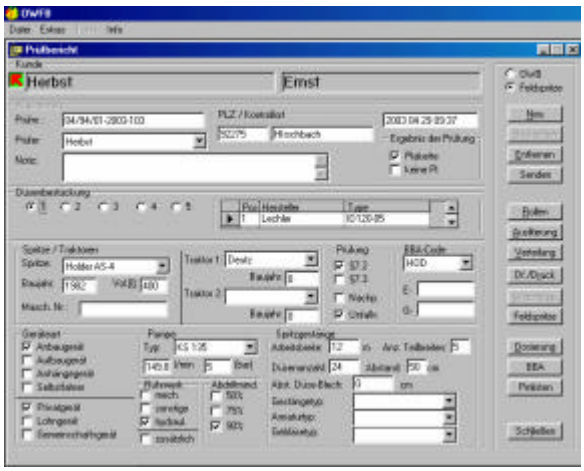
As it is possible to use one **Sprayertest 1000** for several testing-stations, the different testing-stations have got there own testing-station-number and the customers of each are separated from the others.
Every testing-station can have its own code so the data of the customers and the testing reports can only be looked at by authorized people.
Data which are the same for all customers of one testing-station and necessary for the test-report must be put in only for one time.

After marking your testing-station and giving in your code you get to your customers. Here you can select the name of the customer directly form the list or by putting in the name at the field: search function.



The data input of new customers or the maintenance of the customers data base is done in the part „customers“.

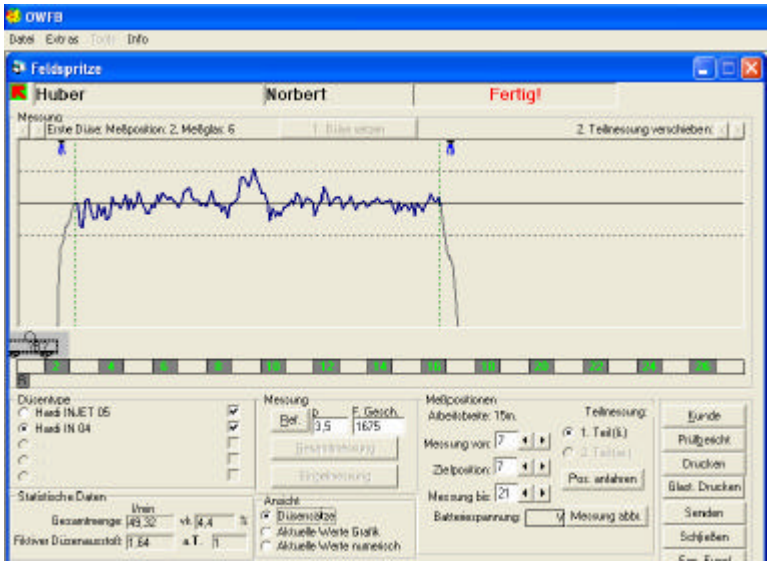
With the button „report“ you can look at an existing report or make a new one.



When testing the distribution with the **Sprayer test 1000** you are creating the test-report meantime.
For every sprayer you can test up to 5 sets of nozzles.
The results of the testing are put in automatically into the test-report. And cannot be changed.
Data often needed in the report are collected in lists – no need for the mechanic writing them again and again.

The connection between the testing-car and the computer is radio controlled – wireless!

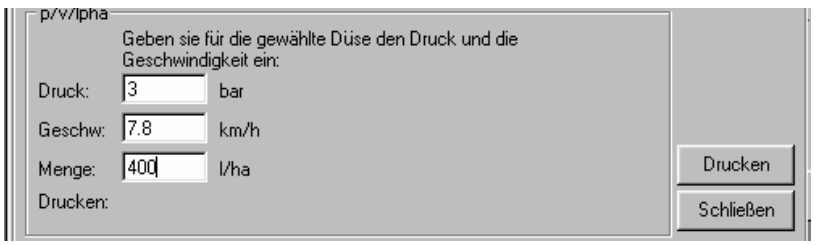
By putting in the boom-wide in the test report the test car is positioned .t.
If the sprayer is not exactly concentric to the rails, the suggested point of start can be changed from the PC.



No bustling around or manual positioning necessary.
After starting the measurement at the PC the test car is driving along the testing bench.
You can watch the process of the building up of the diagram during the measurement at the screen **directly**.
If you realize a mistake at a nozzle, the measurement can be stopped at any time.
After eliminating the mistake the measurement can be continued.
The temperature (very important for the calculation of the diagram) is measured in the test car and sent with the data's of the quantity of the water to PC. Also the voltage of the battery is online on the screen.

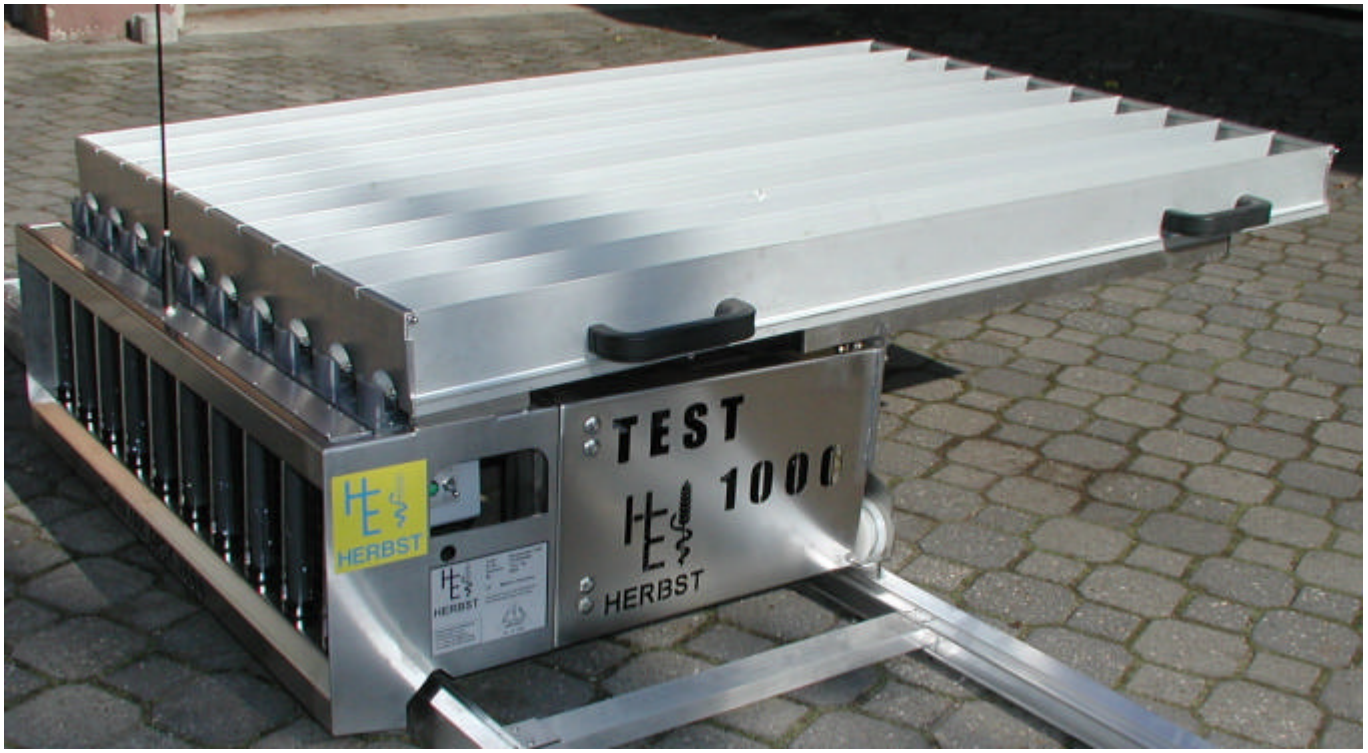
The water output in liter/min per nozzle and the complete output are shown on the screen from the beginning of the measurement. A flow meter, mounted in the sprayer, can be controlled very easy in this way.

A special arrangement of the ultrasonic sensors in the test car allows even the testing with dirty fluid or with water mixed up with frost protection.
The testing of air-assisted nozzles is also no problem, as the air is separated before reaching the measuring element.
No need for you to take care of non-flatness of the floor, as the test car has got three wheels and is driving dependably in each situation.
The emptying of the measuring cylinders is done by ball valves (very insensitive to dirt).
Is the boom wide larger than the length of the rail, the program informs about it and suggests a test with two transits. The calculations are done in the way, that there is only one diagram for the total boom wide.
For every set of nozzle there can be printed an own distribution diagram.
Here you can put in the wanted output in Liter/ha and the program will calculate the speed you need. .



In the same way you can put in the speed and the output is calculated.
These results are printed out with every set of nozzles.

Here the farmer gets a good help how much fluid he is bringing out with each set of nozzles.



For manufactures of sprayers it is possible to fix the rail in the ground. Also they can get software for networks.

For manufactures and importer a pinlist-software is available to get all data of the sprayer saved.

HERBST

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Stand : 04.10.09 Technische Änderungen vorbehalten. Abbildungen zeigen zu m Teil Wunschausstattungen