

Airtec® Advantage 2

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New Airtec® Tip From Lechler



Lechler (UK) Ltd has entered into a manufacturing arrangement with Cleanacres Machinery to produce the flood tip for their Airtec® Nozzle. Cleanacres approached Lechler because of their excellent reputation for producing high quality agricultural nozzles.

The New tip has been tested by the BBA in Germany, and is fully approved under their testing scheme. Airtec has also been submitted for approval under the German Drift Reduction Scheme for low drift nozzles.

Magic Box 2 (Pro-Series)

Cleanacres Machinery announces the launch of its Patented Magic Box 2 Twin Fluid Nozzle Controller.

This instrument retains all the features of the original Magic Box, but is now able to fully interface with the RDS Hermes Data Logging System, enabling full variable rate spray application under control from RDS Plot/Plan Software.

"This is a particularly important development", explains Mark Curtoys Director of Cleanacres Machinery. "Farmers who wish to work with variable treatment plans where pesticides need to be applied through a Conventional Crop Sprayer are at a severe disadvantage.

A variable treatment system on a sprayer works by increasing or decreasing total application rate in varying steps, according to a predetermined treatment plan.

To double application rate through a conventional nozzle, requires the spray pressure to be increased by a factor of 4.

This in turn leads to a very wide range of spray qualities (Coarse to very fine) being produced, with potentially serious consequences".

"Airtec relies on air pressure to atomise the spray, and the great advantage with this is that you can get a wide range of application rates, at any given spray quality. Furthermore, you can change application rate on the move without affecting Spray quality, a very important factor when using variable treatment plans.

The Magic Box 2 has a

"LERAP" button, when this is pressed the instrument automatically sets the sprayer to a 3 Star LERAP setting.

Additional benefits include a much faster processor, improving response times by up to 4 times, a specific gravity button for liquid fertiliser, and three pre-set factors for different wheels that can be fitted to the spraying vehicle.



Cleanacres Machinery are offering a special upgrade price for £850.00 for Magic Box 1 users. Please contact us for details

Airtec Gains LERAP Approval

The Cleanacres Airtec® Nozzle has been awarded three star LERAP status.

All three Airtec restrictors, Sizes 35,40 & 50 have a span of pressures that have been granted, making Airtec® the most versatile nozzle within the LERAP

scheme.

The New Airtec Control System (Magic Box 2) based on the RDS Pro Series has a "LERAP" button that will automatically select pre-determined sets of pressures for a three star LERAP. When the hazard area has passed, the

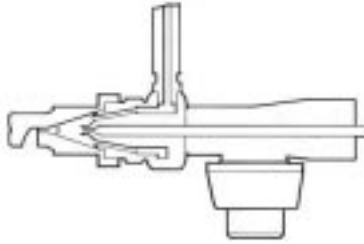
instrument will reset to the original spray quality at the press of a button. Airtec's Approval can be found on the PSD Website at the following Web address.

http://www.pesticides.gov.uk/farmers/leraps/approved_equipment/spray-fp.cfm

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The Airtec®

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Twin Fluid Controller Technology Licensed to Muller Elektronik

Cleanacres Machinery Ltd have entered into a licensing arrangement with Muller Elektronik of Salzkotten Germany. Airtec® is now being fitted by a number of German OEM's as original equipment. The majority of



German sprayer manufacturers also use Muller Elektronik as their first choice supplier for sprayer control systems. This

arrangement has helped to make Airtec® the preferred Twin Fluid system in Germany. Airtec® is the only Twin Fluid Nozzle with full BBA approval, and coupled with the Muller LBS controller it makes it an easy choice for German Farmers and Manufacturers alike.

Swedish Trials Highlight Low Dose Potential

Field trials carried out at the Swedish University of Agricultural Sciences in Uppsala have highlighted the efficiency of

Cleanacres Machinery's Airtec® Twin Fluid Nozzle. The trial was designed to compare the Airtec® system working at 75 & 105 litres per hectare to conventional

nozzles operating at the same volume. Progressively reduced rates of chemical were used (from full

rate to zero), and the Biomass of the weeds remaining after application were then measured.

This trial has demonstrated that Airtec® when used at 75 litres per hectare (its recom-

mended application volume for most products) gave 78% control, compared to a conventional system operating at

the same volume which gave 55% control at half the recommended rate of product. (See Graph) .

Further trials on reduced rates have been undertaken by Uppsala University and the re-

sults will be published early in 2001.....

