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IDTA **The new generation of air injector double flat fan nozzles**

IDTA, an asymmetric air induction double flat fan, sets a new benchmark in the double flat fan technology. Application technology as well as user safety have been improved. The nozzle will be available in sizes 02 through 08 in material ceramic.

Spray direction 30° to the front and 50° to the back has shown best results in numerous tests in regard to high deposits at vertical targets and evenly distribution on front and back. Especially when increasing travel speed in the field.

In addition with the spray angle of 120° to the front and 90° to the back same effective spray width at the target area is achieved. No other asymmetric double flat fan shows this in the market. So overspray at field borders is technically impossible. In addition with border nozzles sharp demarcation is possible.

Spray volume to the front is 60%, to the back 40% of total. This gives an optimal cross distribution even distance to the target may vary because of slopes or movement of the boom.

Droplet size at front jet is slightly smaller than back jet. The number of droplets in the spray is increased and so coverage is optimized. By this well balanced droplet spectrum the total coverage at vertical targets can be doubled compared to standard air induction flat fans.

User safety has been in focus too. The new design of nozzle and cap in one piece is well hand held and eases assembly on the boom. The new injector design (pat. pend.) enables manual removal without any tool – even the user is wearing his protection gloves. So the user is best protected when cleaning the nozzles.

Approval and listing in national documentation for drift reducing technology is on its way as well in Germany, Holland and England. Mixed setting of new IDTA with standard air induction flat fan on the boom (ID3) as well as with border nozzles (IS) at the end of the boom is possible.

