

Syngenta 3D nozzle wins international design award

Application
17.06.2016



Syngenta's Defy 3D Nozzle has won the International Machinery Manufacturers Awards' 2016 Innovation Award for Sprayers. This highest accolade in sprayer design and development research recognises the Defy 3D Nozzle has made a step change in accurate application, better results and environmental protection.



The complete redesign of conventional flat-fan nozzle technology has created a nozzle with a precision droplet spectrum that delivers significantly better coverage of the spray target, which maximises productivity and results with today's high capacity sprayers - along with a reduction in spray drift risk of up to 75%.

“The new Defy 3D Nozzle is designed to deliver drift reduction to a level we haven’t had before, particularly for grassweed control,” said Ben Magri.



Receiving the Award at the International Syngenta Spray & Sprayers Event, the company’s Application Specialist, Ben Magri (above), added that more uniform droplet distribution from the distinctive design of the Defy 3D Nozzle has proven to enhance the coverage of the target when using angled nozzles, alternated to face forward and backwards along the spray boom.

“This novel technique, instigated by Syngenta specialists, has improved performance and reduced drift with many applications.”

“Less drift risk also means a greater number of spray days, which will help in the timely treatment of grassweeds such as black-grass,” he added. In-field trials with the Defy 3D Nozzle (below) have demonstrated a significant 6% increase in black-grass control using a Defy-based herbicide treatment.



“We are delighted that the IMMA has recognised that the nozzle is the delivery point for every sprayer, and appropriate nozzle selection can make such a significant impact on the success of any application.

“The development of the Defy 3D Nozzle effectively makes conventional flat fan design obsolete, and sets a new standard for application accuracy,” added Ben.

The IMMA’s are an independently judged awards recognising and rewarding the innovation and development of machinery products within the arable industry. The Awards are made annually at the Cereals Event, incorporating Syngenta Sprays & Sprayers.

The presentation, main picture, was made by IMMA Chairman, Peter Redman (IAgrE), to Syngenta Application Specialists Ben Magri (left) and James Thomas (right), with Teresa Wyatt of Syngenta Business Planning and Development (far left).

Tags:

Application

DEFY 3D nozzles