

● Spray-pressure changes? Flow-rates range extends



The unique design of the VeriRate Nozzle provides for an extended range of flow rates with changes in spray pressure while maintaining droplet size and spray coverage. The nozzle improves chemical savings, boosts spray productivity, and aids in environmental protection. The design is a combination of a flexible pre-orifice with a flexible-spray orifice. Tests have shown that as the spray pressure varies from 207 to 345 kPa (30 to 50 PSI), the flow rate of the VeriRate Nozzle varies from 1.1 to 11.4 L/m (0.3 to 3.0 GPM) while the volume median diameter of the spray droplets for the 0-degree nozzle orientation varies from 250 to 350 microns and the spray angle from 20 to 40 degrees. The rate change response time is less than 0.25 seconds. The nozzle is adaptable to conventional spraying systems and can be used with pressure regulators or automatic rate controllers for applications of varying rates.

SprayTarget, Rosemount, Minnesota USA; 651-485-2410,
www.spraytarget.com

AE50 OUTSTANDING



INNOVATIONS 2006