TeeJet® Broadcast Nozzle Selection Guide

	HERBICIDES			FUNGICIDES		INSECTICIDES			
	SOIL APPLIED	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	DRIFT MANAGE-MENT	PWM NOZZLE CONTROL
		CONTACT	SYSTEMIC						
 *Turbo TeeJet*® Reference page 7		VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 *Turbo TeeJet*® **at pressures below 30 PSI (2.0 bar)** Reference page 7	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	VERY GOOD	EXCELLENT
 *TurboTwinJet*® Reference page 16	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	VERY GOOD	EXCELLENT
 *TurboTwinJet*® **at pressures below 30 PSI (2.0 bar)** Reference page 16	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	EXCELLENT	EXCELLENT
 *TurboTeeJet*® *Induction* Reference page 11	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT	
 *Air Induction TurboTwinJet*® Reference page 17	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *AI3070*® Reference page 18		VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	
 *XR, XRC TeeJet*® Reference pages 12–13		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT
 *XR, XRC TeeJet*® **at pressures below 30 PSI (2.0 bar)** Reference pages 12–13	GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 *AIXR TeeJet*® Reference page 8	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *AI, AIC TeeJet*® Reference pages 9–10	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	
 *TwinJet*® Reference page 21		EXCELLENT		EXCELLENT		EXCELLENT			GOOD
 *DG TwinJet*® Reference page 22	VERY GOOD	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	GOOD
 *Turbo FloodJet*® Reference page 23	EXCELLENT		VERY GOOD		VERY GOOD		VERY GOOD	EXCELLENT	
 *TurfJet*® Reference page 26	EXCELLENT		EXCELLENT		EXCELLENT		EXCELLENT	EXCELLENT	
 *QCTF Turbo FloodJet*® Reference page 24	EXCELLENT							EXCELLENT	

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

Specialty Application Nozzle Selection Guide

		HERBICIDES			FUNGICIDES		INSECTICIDES	
		PRE-EMERGENCE	POST-EMERGENCE		CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
			CONTACT	SYSTEMIC				
BANDING	 AI TeeJet® EVEN Reference page 33	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 TeeJet® EVEN Reference page 35	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD	VERY GOOD	GOOD
	 TwinJet® EVEN Reference page 36		EXCELLENT		EXCELLENT		EXCELLENT	
DIRECTED SPRAYING	 AI TeeJet® EVEN Reference page 33	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 TeeJet® EVEN Reference page 35	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	 TwinJet® EVEN Reference page 36		VERY GOOD		VERY GOOD		VERY GOOD	
	 AIUB TeeJet® Reference page 37		GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 AITX ConeJet® Reference page 43		GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
	 ConeJet® Reference pages 32 & 39		EXCELLENT		EXCELLENT		EXCELLENT	
AIR BLAST	 ConeJet® Reference pages 40–43		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
	 Disc-Core Reference pages 45–46		EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.

	BROADCAST	DIRECTED
 **StreamJet** (7-ORIFICE) *Reference page 48*	EXCELLENT	VERY GOOD
 **StreamJet** (3-ORIFICE) *Reference page 47*	VERY GOOD	EXCELLENT
 **StreamJet** (SINGLE-ORIFICE) *Reference page 50*		EXCELLENT
 **CP4916** (ORIFICE PLATE) *Reference page 49*		EXCELLENT
 **TP TeeJet** (LARGE CAPACITY) *Reference page 14*	VERY GOOD	
 **AI TeeJet** **AIC TeeJet** (LOW VOLUME) *Reference pages 9–10*	VERY GOOD	
 **AIUB TeeJet** (LOW VOLUME) *Reference page 37*		VERY GOOD
 **Turbo TeeJet Induction** *Reference page 11*	EXCELLENT	
 **Turbo FloodJet** *Reference page 23*	EXCELLENT	
 **QCTF Turbo FloodJet** *Reference page 24*	EXCELLENT	

LIQUID FERTILIZER APPLICATION

Just as in applying crop protection products, the proper application of liquid fertilizer is important. Delivering nutrients to the crop in a timely and effective manner while minimizing crop damage is essential. TeeJet Technologies offers an extensive selection of nozzles specifically designed to maximize the performance of your liquid fertilizer application.

Solid stream nozzles, offered in both single- and multiple-stream versions, are designed to deliver fertilizer to the soil surface where it can be effectively utilized by the crop. By creating solid liquid streams, these nozzles greatly reduce foliar coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet nozzles provide the ideal blend of compact, reliable design, ease of installation and affordable pricing.

In some cases, the use of a broadcast nozzle for fertilizer application may be desirable. This could include combined fertilizer/pesticide applications, foliar feeding or broadcast liquid fertilization of bare ground. For these applications TeeJet Technologies offers a wide variety of low drift, flat spray nozzles.

Liquid Density Conversion

When selecting a specific capacity tip for liquid fertilizer application, always correct for liquid density. Application charts shown in this catalog are based on spraying water. Many fertilizer solutions are denser than water, which will affect the application rate. Please see page 125 for a list of density conversion factors.

Example:

Desired application rate is 100 l/ha of a liquid that has a density of 1.28 kg/l. Determine the correct nozzle size as follows:

l/ha (liquid other than water) x Conversion Factor = l/ha (from table in catalog)

100 l/ha (1.28 kg/l solution) x 1.13 = 113 l/ha (water)

The applicator should choose a nozzle size that will supply 113 l/ha of water at the desired pressure.

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations.