# 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 |
|  *Turbo TwinJet*® Reference page 16 | GOOD | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT | EXCELLENT | VERY GOOD | EXCELLENT |
|  *Turbo TwinJet*® **at pressures below 30 PSI (2.0 bar)** Reference page 16 | VERY GOOD | VERY GOOD | EXCELLENT | VERY GOOD | EXCELLENT | VERY GOOD | EXCELLENT | EXCELLENT | EXCELLENT |
|  *Turbo TeeJet*® *Induction* Reference page 11 | EXCELLENT | | EXCELLENT | | EXCELLENT | | EXCELLENT | EXCELLENT | |
|  *Air Induction Turbo TwinJet*® 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<br>Reference page 33 | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT |
| |  TeeJet® EVEN<br>Reference page 35 | GOOD | VERY GOOD | GOOD | VERY GOOD | GOOD | VERY GOOD | GOOD |
| |  TwinJet® EVEN<br>Reference page 36 | | EXCELLENT | | EXCELLENT | | EXCELLENT | |
| DIRECTED SPRAYING |  AI TeeJet® EVEN<br>Reference page 33 | VERY GOOD | GOOD | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT |
| |  TeeJet® EVEN<br>Reference page 35 | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD | GOOD |
| |  TwinJet® EVEN<br>Reference page 36 | | VERY GOOD | | VERY GOOD | | VERY GOOD | |
| |  AIUB TeeJet®<br>Reference page 37 | | GOOD | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT |
| |  AITX ConeJet®<br>Reference page 43 | | GOOD | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT |
| |  ConeJet®<br>Reference pages 32 & 39 | | EXCELLENT | | EXCELLENT | | EXCELLENT | |
| AIR BLAST |  ConeJet®<br>Reference pages 40–43 | | EXCELLENT | GOOD | EXCELLENT | GOOD | EXCELLENT | GOOD |
| |  Disc-Core<br>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.