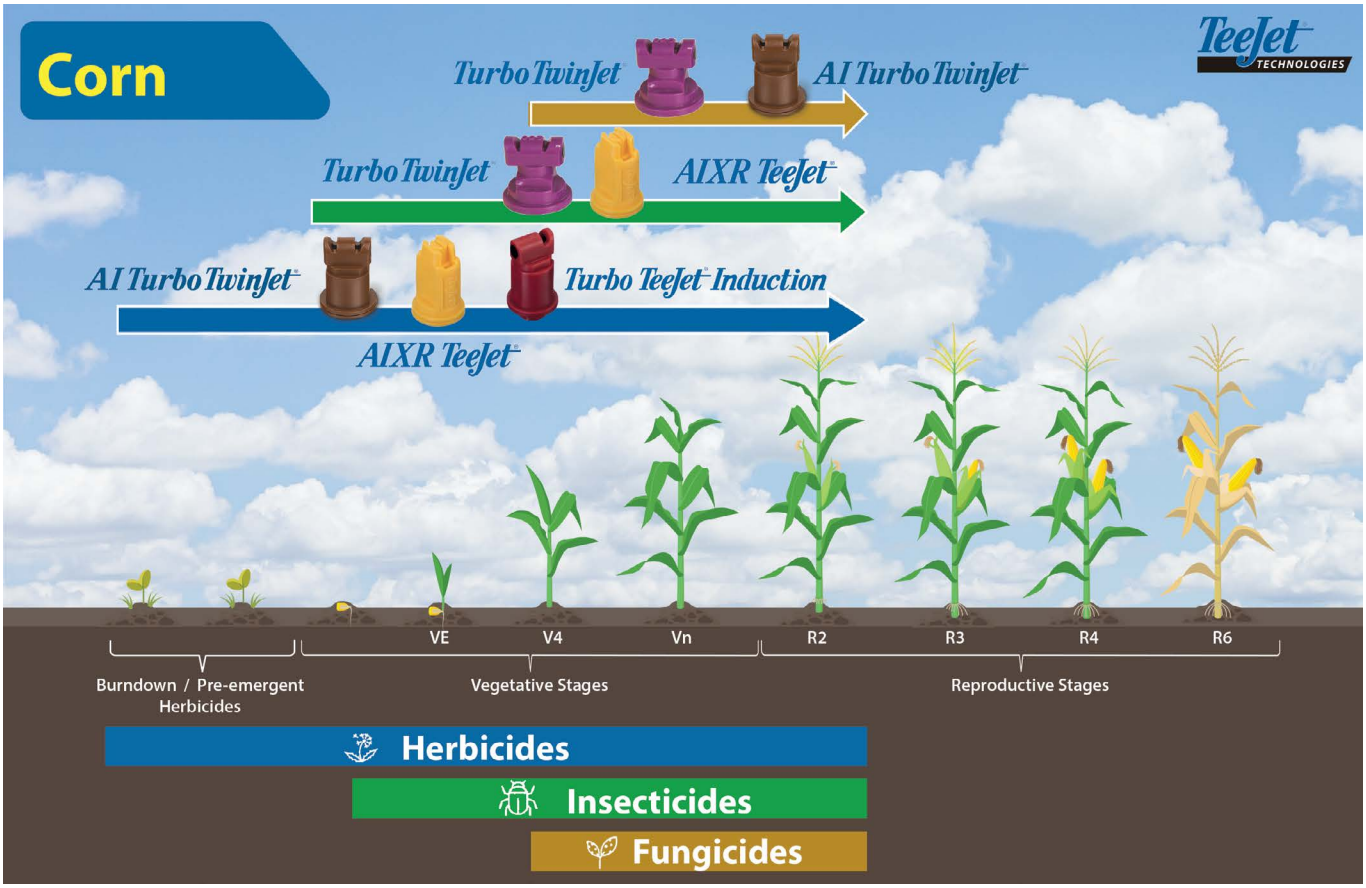
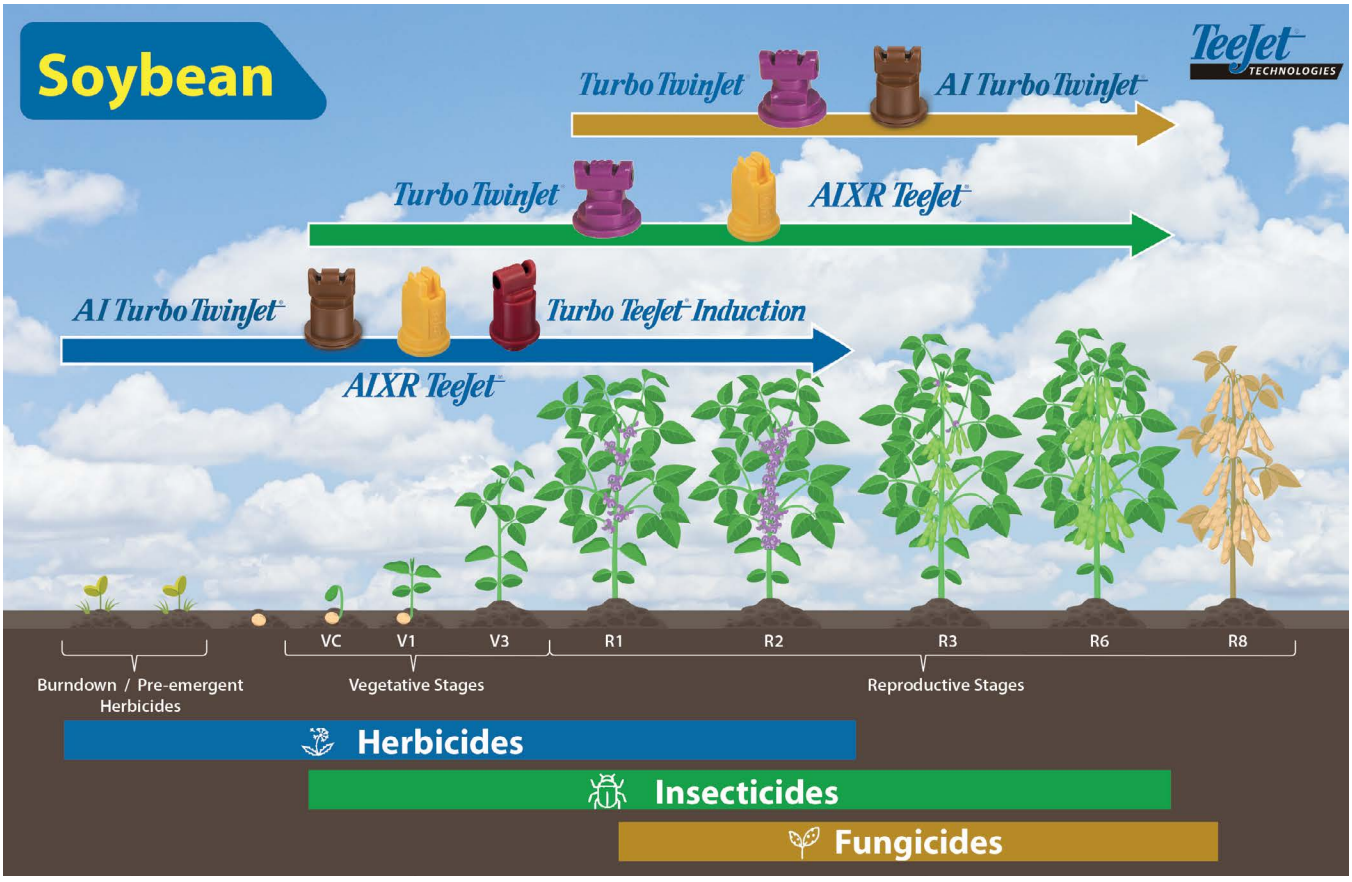
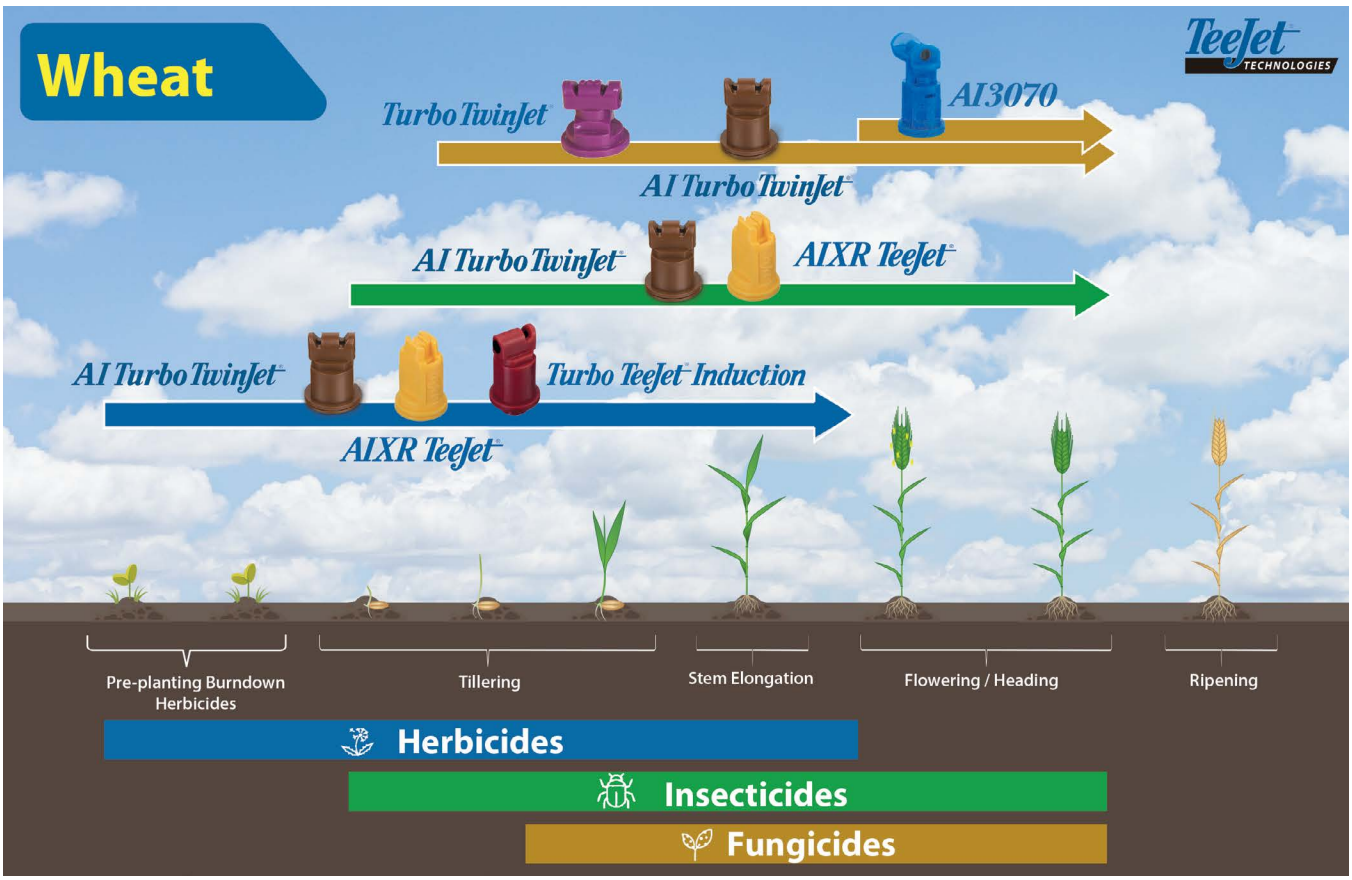
SPRAY TIP SELECTION FOR CROPS

Crop protection product application in crops occurs at different growth stages. The right spray tip selection will result in maximum coverage and efficacy while reducing drift. TeeJet has several spray tips that provide the perfect balance of coverage and drift reduction. Check out some examples of TeeJet spray tips that most suit applications in corn, soybean, and wheat.




Soybean
TeeJet TECHNOLOGIES
TurboTwinJet
AI TurboTwinJet
TurboTwinJet
AIXR TeeJet
AI TurboTwinJet
Turbo TeeJet Induction
AIXR TeeJet
VC
V1
V3
R1
R2
R3
R6
R8
Burndown / Pre-emergent Herbicides
Vegetative Stages
Reproductive Stages
Herbicides
Insecticides
Fungicides


Wheat
TeeJet TECHNOLOGIES
TurboTwinJet
AI3070
AI TurboTwinJet
AI TurboTwinJet
AIXR TeeJet
AI TurboTwinJet
Turbo TeeJet Induction
AIXR TeeJet
Pre-planting Burndown Herbicides
Tillering
Stem Elongation
Flowering / Heading
Ripening
Herbicides
Insecticides
Fungicides

TeeJet® BROADCAST & FERTILIZER SPRAY TIP SELECTION GUIDE

SPRAY TIPS & DROPLET SIZE* (XF VF F M C VC XC UC)	HERBICIDES: SOIL APPLIED	HERBICIDES: POST-EMERGENCE CONTACT	HERBICIDES: POST-EMERGENCE SYSTEMIC	FUNGICIDES: CONTACT	FUNGICIDES: SYSTEMIC	INSECTICIDES: CONTACT	INSECTICIDES: SYSTEMIC
 **AccuPulse® TwinJet®** APTJ Pages 14–15	EXCELLENT		EXCELLENT				
 **Turbo TeeJet®** TT Pages 16–17		EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 **AIXR TeeJet®** AIXR Pages 18–19	VERY GOOD	EXCELLENT	VERY GOOD	GOOD	VERY GOOD	VERY GOOD	EXCELLENT
 **Air Induction TeeJet®** AI & AIC Pages 20–23	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
 **Turbo TeeJet® Induction** TTI Pages 24–25	EXCELLENT		EXCELLENT				
 **TTI TwinJet®** TTI60 Pages 26–27	EXCELLENT		EXCELLENT				
 **XR, XRC TeeJet®** XR & XRC Pages 28–31		VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
 **Turbo TwinJet®** TTJ60 Pages 36–37	GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
 **AI Turbo TwinJet®** AITTJ60 Pages 38–39	VERY GOOD	VERY GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT
 **AI3070®** AI3070 Pages 40–41				EXCELLENT	VERY GOOD		
 **StreamJet®** SJ3 & SJ3-VR Pages 92–95							
 **StreamJet®** SJ7A & SJ7A-VR Pages 96–99							
 **StreamJet®** PTC-VR & QJ-VR Pages 100–101							
 **StreamJet®** SOLID STREAM Pages 104							

Note: Consult the chemical manufacturer's product label for specific rate and application recommendations. Droplet size categories shown are based on ISO 25358.
*(XF) Extremely Fine, (VF) Very Fine, (F) Fine, (M) Medium, (C) Coarse, (VC) Very Coarse, (XC) Extremely Coarse, (UC) Ultra Coarse

BROADCAST & FERTILIZER SPRAY TIP SELECTION GUIDE

FERTILIZER		DRIFT CONTROL	PWM APPROVED
BROADCAST	DIRECTED		
EXCELLENT		EXCELLENT	✔
EXCELLENT		GOOD	✔
		VERY GOOD	
VERY GOOD		EXCELLENT	
EXCELLENT		EXCELLENT	✔
EXCELLENT		EXCELLENT	✔
		GOOD	✔
		VERY GOOD	✔
		EXCELLENT	✔
		VERY GOOD	
EXCELLENT		EXCELLENT	
EXCELLENT		EXCELLENT	
	EXCELLENT	EXCELLENT	
	EXCELLENT	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 spray tips 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 tips greatly reduce foliar coverage in standing crop in order to minimize leaf burn. TeeJet Technologies StreamJet tips 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 tips.

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 185 for a list of density conversion factors.

EXAMPLE

Desired application rate is 20 GPA of 28% Nitrogen. Determine the correct nozzle size as follows:

GPA (liquid other than water) x Conversion Factor = GPA*

20 GPA (28%) x 1.13 = 22.6 GPA (water)

The applicator should choose a tip size that will supply 22.6 GPA of water at the desired pressure.

*From table in catalog.

SPECIALTY APPLICATION TIP SELECTION GUIDE

			HERBICIDES			FUNGICIDES		INSECTICIDES	
				POST-EMERGENCE					
			SOIL APPLIED	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC	CONTACT	SYSTEMIC
BANDING		XE TeeJet® Pages 62–63	EXCELLENT		EXCELLENT		GOOD		GOOD
		AI TeeJet® EVEN Pages 64–65	VERY GOOD		EXCELLENT		GOOD		VERY GOOD
		TeeJet® EVEN Pages 68–69	EXCELLENT	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
		TwinJet® EVEN Pages 70–71		VERY GOOD		VERY GOOD		VERY GOOD	
DIRECTED SPRAYING		AI TeeJet® EVEN Pages 64–65	VERY GOOD		EXCELLENT		EXCELLENT		EXCELLENT
		TeeJet® EVEN Pages 68–69	EXCELLENT	VERY GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
		TwinJet® EVEN Pages 70–71		VERY GOOD		VERY GOOD		VERY GOOD	
		AIUB TeeJet® Pages 72–73		GOOD	EXCELLENT				GOOD
		ConeJet® Pages 78–79				EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD
AIR BLAST		TXR ConeJet® Pages 84–85				EXCELLENT	GOOD	EXCELLENT	GOOD
		AITX ConeJet® Pages 86–87		GOOD	EXCELLENT	VERY GOOD	EXCELLENT	VERY GOOD	EXCELLENT
		Disc-Core Pages 89–91				EXCELLENT	GOOD	EXCELLENT	GOOD

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