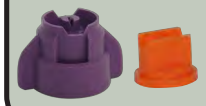
Broadcast Application Guidelines*

*For Banding Applications use the TurboDrop® Venturi with an even spray or Greenleaf's Quick Hollow Cone Spray Nozzle, or AMHC AirMix® Hollowcone.

	Herbicides				Fungicides		Insecticides		Liquid Fertilizer		Growth Regulators	Dessicants/ Defoliants
	Soil Incorporated	Pre-Emerge	Post-Emerge Contact	Post-Emerge Systemic	Contact	Systemic	Contact	Systemic	Foliar	Soil Incorporated		
High Pressure TurboDrop® 	**Excellent** Higher Pressures (80-150 psi)	**Excellent**	**Excellent** Higher Pressures (80-150 psi)	**Excellent**	**Excellent** Higher Pressures (80-150 psi)	**Excellent**	**Excellent** Higher Pressures (80-150 psi)	**Excellent**	**Excellent** Lower Pressures (30-45 psi)	**Excellent**	**Excellent**	**Excellent** Higher Pressures (80-150 psi)
	Extremely Coarse											
	Very Coarse	Very Coarse			Medium	Coarse	Medium	Coarse	Extremely Coarse	Extremely Coarse		
	Coarse	Coarse	Medium	Coarse	Fine	Medium	Fine	Medium	Very Coarse	Very Coarse		
Medium Pressure XL 	**Excellent** Medium Pressures (60-120 psi)	**Excellent**	**Excellent** Medium Pressures (60-120 psi)	**Excellent**	**Excellent** Medium Pressures (60-120 psi)	**Excellent**	**Excellent** Medium Pressures (60-120 psi)	**Excellent**	**Excellent** Lower Pressures (15-30 psi)	**Excellent**	**Excellent**	**Excellent** Medium Pressures (60-120 psi)
	Extremely Coarse											
	Very Coarse	Very Coarse			Medium	Coarse	Medium	Coarse	Extremely Coarse	Extremely Coarse		
	Coarse	Coarse	Medium	Coarse	Fine	Medium	Fine	Medium	Very Coarse	Very Coarse		
Low Pressure AM 	**Excellent** (40-90 psi)	**Excellent**	**Excellent** (40-90 psi)	**Excellent**	**Excellent** (40-90 psi)	**Excellent**	**Excellent** (40-90 psi)	**Excellent**	**Good** (15-30 psi)	**Excellent**	**Excellent**	**Excellent** (40-90 psi)
	Extremely Coarse											
	Very Coarse	Very Coarse			Medium	Coarse	Medium	Coarse	Extremely Coarse	Extremely Coarse		
	Coarse	Coarse	Medium	Coarse	Fine	Medium	Fine	Medium	Very Coarse	Very Coarse		
SprayMax™ 	**Excellent**	**Excellent**	**Good**	**Excellent**	**Excellent**	**Good**	**Excellent**	**Good**	**Good** (15-20 psi)	**Excellent**	**Excellent**	**Good** (20-40 psi)
	Extremely Coarse											
	Very Coarse	Very Coarse	Medium	Coarse					Extremely Coarse	Extremely Coarse		
	Coarse	Coarse	Fine	Medium	Fine	Medium	Fine	Medium	Very Coarse	Very Coarse		

Operating Pressure The suggested ***optimal pressure range*** has been found to provide the best combination of drift control and coverage. When conditions favor drift, reduced pressure is suggested while staying within the pressure range. Targeting 60 psi with the TurboDrop® XL and 40 psi with the AirMix® AM when selecting nozzle size will allow for greater changes in speed and pressure while operating within the optimal pressure range. Higher pressures are recommended for spraying contact pesticides and for penetrating dense crop canopies.

Venturi/Tip Combinations A wide variety of exit tips may be used with the TurboDrop® Venturi to produce different spray patterns. The pattern tip must be double the size of the Venturi, which controls the flow rate. For example, an 03 Venturi (TDXLV03) can be used with most 06 rated (0.6 gpm @ 40 psi) pattern tips, including twin spray, off center, even flat fan, flood, hollowcone, etc. Using conventional tips with the TurboDrop® Venturi will dramatically reduce drift and extend the pressure range. Using pattern tips with an angle less than 110° or in a size larger than double the size of the Venturi may require the use of a DIF4 diffuser and a Greenleaf cap. Some combinations may require higher minimum operating pressures.

	AM	AMHC	AMOC	TDXL/TADF	TDCFFC
Total Pressure Range:	15-90psi	15-90psi	15-90psi	20-120psi	30-150psi
Optimal Pressure Range:	20-60psi	40-90psi	20-60psi	30-90psi	40-120psi
Contact Chemicals:	40-90psi	40-90psi	40-90psi	60-120psi	80-150psi

Boom Height Minimum boom height should be equal to nozzle spacing. For example, if nozzle spacing is 20", minimum boom height should be 20". At lower pressures, the spray angle of the exit tip may narrow by 10-15%. Necessary adjustments to boom height should be made to obtain minimum 50% overlap.

Never use FirstPick (or any other strong acid) with standard TurboDrop® or AirMix® nozzles. Acid resistant polypropylene AirMix® AMCQ nozzles are recommended for acid applications. Drift control adjuvants may alter the spray pattern of drift control nozzles. Always test any adjuvant that you plan to use.

(800) 881-4832