



YOUR REASONS
TO BE
TURBO

THE POWER FROM EACH DROPLET

TeeJet[®]
TECHNOLOGIES

WHATEVER YOUR PEST, WHATEVER THE SEASON, **TEEJET® HAS THE RIGHT SPRAY TIP SOLUTION FOR YOU.**



We all know the struggle with choosing the proper spray tip for your pests, crops and sprayer. The varieties and types of nozzles on the market is vast, and the one which will do the best job for your particular combination of factors is not always clear. Some nozzles produce droplets which are too small and drift in the wind, while others produce droplets which are just too large and don't provide adequate coverage.

Our engineers heard your wishes and worked closely with farmers to design technology for the perfect droplet: not too small and not too big, but in the end, that was not enough. We came up with an idea to include a turbulence chamber within the tip to energize every droplet with Turbo power for you. Helping to **get the superior spray distribution and increased efficiency of your operations.**

This is how we designed unique Turbo technology in 1992. It all started with one single nozzle, but the years of superior field-proven results and customer appreciation, facilitated the evolution of the whole Turbo family of nozzles. Among the Turbo family you will find so well-known tips as, TT (Turbo TeeJet), TTJ60 (Turbo TwinJet), AITTJ60 (Air induction Turbo TwinJet) TTI (Turbo TeeJet Induction), TTI60 (TTI TwinJet) and more.

Here, within these pages, we have accumulated the most valuable information and described the most common applications. We, at TeeJet, aim to make your life easier and your spraying operations more effective.

Because TeeJet Cares!



WHY TURBO IS YOUR CHOICE?

BECAUSE YOU DON'T WANT TO COMPROMISE & YOU DO WANT TO THESE KEY 7 BENEFITS IN A SINGLE SPRAY TIP



BEST COVERAGE

More consistent application across the boom providing better control of the pest.



DRIFT REDUCTION

Turbo tips produce coarser droplets. It means that the drops have more weight and energy to resist the wind resulting in improved drift control.



WIDER OPERATING RANGE

A single tip can cover a wider range of ground speeds and application volumes without losing the quality of application.



WIDER SPRAY ANGLE

Very wide angle allows the boom to operate at a lower height, which reduces your chance of drift. A wider angle helps to get better coverage during the sway of the boom on uneven surfaces.



CONSISTENT DROPLETS

Having droplets of equal size guarantees a more effective application.



LESS CLOGGING

The construction of the Turbo chamber allows for a wider entrance orifice. Thus meaning less tendency to clog during spraying operations.



IMPROVED PRODUCTIVITY

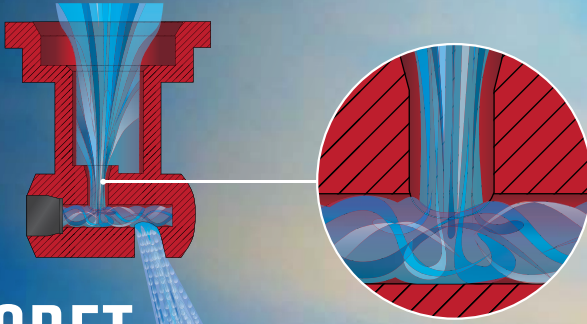
Having a nozzle that offers you good coverage simultaneously with a drift control characteristic results in better and higher quality spraying.

TURBO TIPS
PRODUCE
FEWER
DRIFTABLE
DROPLETS

DRIFTABLE
DROPLETS
ARE BELOW
150 MICRONS
WHICH IS EQUAL
TO THE THICKNESS
OF HUMAN HAIR

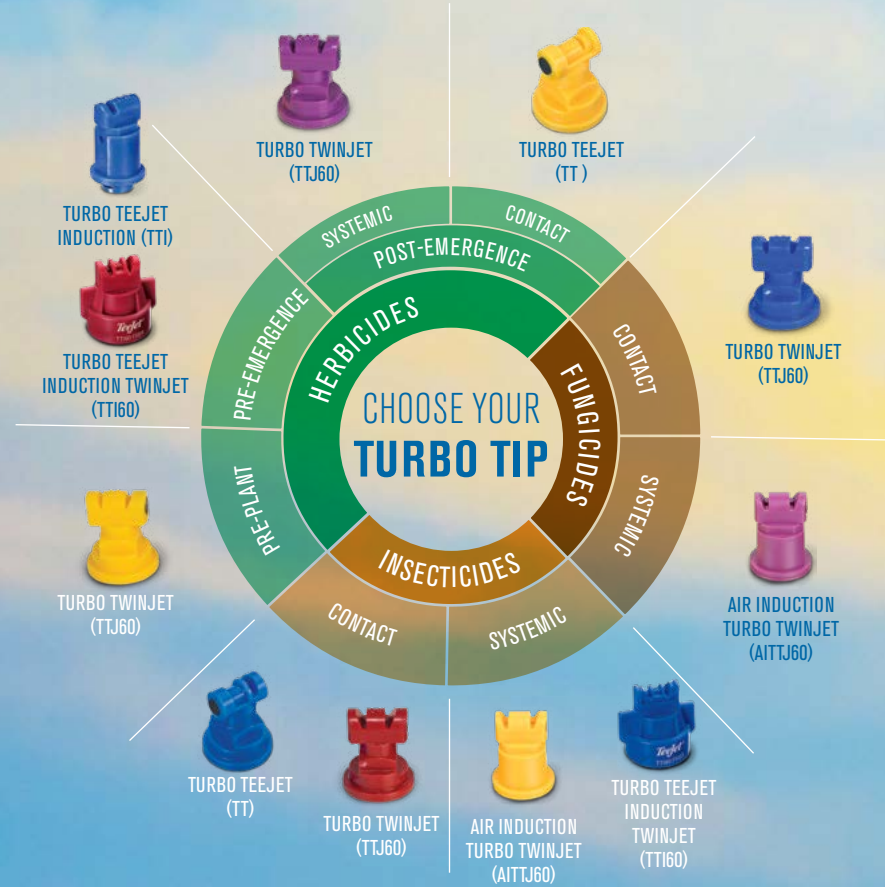
BETTER
SPRAYING
& CONTROL
OF CHEMICAL
CONSUMPTION
LEADS YOU TO
HIGHER YIELDS
& PROFITS

WHAT'S THE SECRET OF TURBO?



The unique design of Turbo nozzles allow the liquid to change direction after passing through the pre-orifice, then forcing the liquid into a horizontal chamber, creating the turbulence, prior to hitting the deflector and exiting out of the nozzle.

The nozzle's pre-orifice restricts the amount of liquid entering the nozzle and creates a pressure drop through the tip. Therefore operating pressures are reduced internally which produces a larger droplet than conventional flat fan.



TURBO TEEJET® (TT)

EXCELLENT PATTERN QUALITY & GOOD COVERAGE

Turbo TeeJet starts the series of Turbo nozzles with a droplet size 60% bigger than standard extended range nozzle. Excellent coverage and single pattern nozzle for broad types of applications showing its best with contact herbicides and insecticides on canopy of light and medium density.

▲ **SINGLE**
SPRAY PATTERN

AVAILABLE IN
11 SIZES

RECOMMENDED
PRESSURE
1-6 BAR

BEST WITH CONTACT
**HERBICIDES &
INSECTICIDES**

TT NOZZLES HAVE A 15% OFFSET

The TT nozzle should be mounted so the preset spray angle is directed away from the direction of travel. A 15% offset from vertical guarantees more even distribution of the liquid on the plant.



WATER SENSITIVE PAPER: 3 BAR



DROPLET SIZE CATEGORIES



Droplet size may vary with nozzle capacity, spray angle and spray pressure.

TURBO TWINJET® (TTJ60)

THE MOST UNIVERSAL NOZZLE IN THE TURBO FAMILY

Looking for the best coverage, TTJ60 is the nozzle you need. Finer droplets and in comparison with TT series – has a twin spray pattern which provides superior coverage of small vertical targets.

This nozzle is most effective when applying contact fungicides and insecticides but showed good results with pre-plant herbicides and post-emergence systemic herbicides.

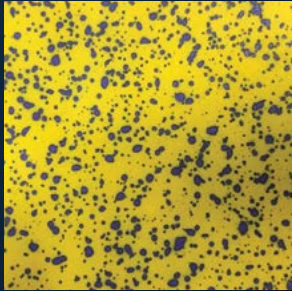
TWIN
SPRAY PATTERN

AVAILABLE IN
8 SIZES

RECOMMENDED
PRESSURE
1-6 BAR

USE WITH
**FUNGICIDES,
INSECTICIDES
& HERBICIDES**

WATER SENSITIVE PAPER: 3 BAR



DROPLET SIZE CATEGORIES



Droplet size may vary with nozzle capacity, spray angle and spray pressure.

AIR INDUCTION TURBO TWINJET® (AITTJ60)

COARSE AIR INDUCED DROPLETS WITH COVERAGE BENEFITS

The Air Induction technology in this tip together with Turbo design produces coarser droplets while still offering improved coverage of a twin spray pattern. Air induction nozzles, aspirating air through the side holes, creating an air/liquid mix which in-turn create coarse droplets that are filled with air, depending on the chemical used.

If you find yourself spraying in less than ideal, windy conditions, AITTJ60 with improved drift control would be your choice. Drift resistant droplets and a twin spray pattern provides excellent leaf coverage in cereal crops for late season disease control.



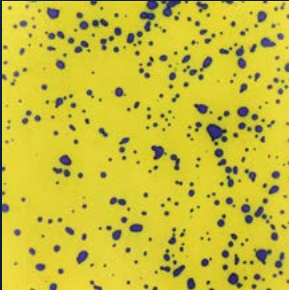
TWIN
SPRAY PATTERN

AVAILABLE IN
9 SIZES

RECOMMENDED
PRESSURE
1-6 BAR

EXCELLENT FOR
SYSTEMIC PRODUCTS
& **BEST DRIFT
CONTROL**

WATER SENSITIVE PAPER: 3 BAR









DROPLET SIZE CATEGORIES









Droplet size may vary with nozzle capacity, spray angle and spray pressure.

APPLICATION CHART

  bar	 TT 1,5-6 bar	 TTJ60 1,5-6 bar	 AITTJ60 1,5-7 bar	Capacity One Nozzle in l/min	 I/ha										
					5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	16 km/h	18 km/h	20 km/h	25 km/h	
					5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	16 km/h	18 km/h	20 km/h	25 km/h	
01 ORANGE (100)	1.5	C	—	—	0.28	67.2	56.0	48.0	42.0	33.6	28.0	21.0	18.7	16.8	13.4
	2.0	M	—	—	0.32	76.8	64.0	54.9	48.0	38.4	32.0	24.0	21.3	19.2	15.4
	3.0	M	—	—	0.39	93.6	78.0	66.9	58.5	46.8	39.0	29.3	26.0	23.4	18.7
	4.0	F	—	—	0.45	108	90.0	77.1	67.5	54.0	45.0	33.8	30.0	27.0	21.6
	5.0	F	—	—	0.50	120	100	85.7	75.0	60.0	50.0	37.5	33.3	30.0	24.0
	6.0	F	—	—	0.55	132	110	94.3	82.5	66.0	55.0	41.3	36.7	33.0	26.4
015 GREEN (100)	1.5	C	—	—	0.42	101	84.0	72.0	63.0	50.4	42.0	31.5	28.0	25.2	20.2
	2.0	C	—	—	0.48	115	96.0	82.3	72.0	57.6	48.0	36.0	32.0	28.8	23.0
	3.0	M	—	—	0.59	142	118	101	88.5	70.8	59.0	44.3	39.3	35.4	28.3
	4.0	M	—	—	0.68	163	136	117	102	81.6	68.0	51.0	45.3	40.8	32.6
	5.0	F	—	—	0.76	182	152	130	114	91.2	76.0	57.0	50.7	45.6	36.5
	6.0	F	—	—	0.83	199	166	142	125	99.6	83.0	62.3	55.3	49.8	39.8
02 YELLOW (100)	1.5	VC	C	XC	0.56	134	112	96.0	84.0	67.2	56.0	42.0	37.3	33.6	26.9
	2.0	C	C	VC	0.65	156	130	111	97.5	78.0	65.0	48.8	43.3	39.0	31.2
	3.0	M	M	C	0.79	190	158	135	119	94.8	79.0	59.3	52.7	47.4	37.9
	4.0	M	M	C	0.91	218	182	156	137	109	91.0	68.3	60.7	54.6	43.7
	5.0	M	M	M	1.02	245	204	175	153	122	102	76.5	68.0	61.2	49.0
	6.0	F	M	M	1.12	269	224	192	168	134	112	84.0	74.7	67.2	53.8
025 VIOLET (100)	1.5	VC	VC	XC	0.70	168	140	120	105	84.0	70.0	52.5	46.7	42.0	33.6
	2.0	C	C	VC	0.81	194	162	139	122	97.2	81.0	60.8	54.0	48.6	38.9
	3.0	M	C	C	0.99	238	198	170	149	119	99.0	74.3	66.0	59.4	47.5
	4.0	M	M	C	1.14	274	228	195	171	137	114	85.5	76.0	68.4	54.7
	5.0	M	M	M	1.28	307	256	219	192	154	128	96.0	85.3	76.8	61.4
	6.0	F	M	M	1.40	336	280	240	210	168	140	105	93.3	84.0	67.2
03 BLUE (100)	1.5	VC	VC	UC	0.83	199	166	142	125	99.6	83.0	62.3	55.3	49.8	39.8
	2.0	VC	C	XC	0.96	230	192	165	144	115	96.0	72.0	64.0	57.6	46.1
	3.0	C	C	VC	1.18	283	236	202	177	142	118	88.5	78.7	70.8	56.6
	4.0	M	M	C	1.36	326	272	233	204	163	136	102	90.7	81.6	65.3
	5.0	M	M	C	1.52	365	304	261	228	182	152	114	101	91.2	73.0
	6.0	F	M	M	1.67	401	334	286	251	200	167	125	111	100	80.2
04 RED (50)	1.5	VC	VC	UC	1.12	269	224	192	168	134	112	84.0	74.7	67.2	53.8
	2.0	C	C	XC	1.29	310	258	221	194	155	129	96.8	86.0	77.4	61.9
	3.0	M	C	VC	1.58	379	316	271	237	190	158	119	105	94.8	75.8
	4.0	M	M	C	1.82	437	364	312	273	218	182	137	121	109	87.4
	5.0	M	M	C	2.04	490	408	350	306	245	204	153	136	122	97.9
	6.0	F	M	M	2.23	535	446	382	335	268	223	167	149	134	107

APPLICATION CHART

  bar	 TT 1,5-6 bar	 TTJ60 1,5-6 bar	 AITTJ60 1,5-7 bar	Capacity One Nozzle in l/min	 I/ha										
					5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	16 km/h	18 km/h	20 km/h	25 km/h	
					5 km/h	6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	16 km/h	18 km/h	20 km/h	25 km/h	
05 BROWN (50)	1.5	VC	VC	UC	1.39	334	278	238	209	167	139	104	92.7	83.4	66.7
	2.0	C	C	XC	1.61	386	322	276	242	193	161	121	107	96.6	77.3
	3.0	M	C	VC	1.97	473	394	338	296	236	197	148	131	118	94.6
	4.0	M	M	VC	2.27	545	454	389	341	272	227	170	151	136	109
	5.0	M	M	C	2.54	610	508	435	381	305	254	191	169	152	122
	6.0	F	M	M	2.79	670	558	478	419	335	279	209	186	167	134
06 GRAY (50)	1.5	VC	VC	UC	1.68	403	336	288	252	202	168	126	112	101	80.6
	2.0	C	VC	XC	1.94	466	388	333	291	233	194	146	129	116	93.1
	3.0	M	C	VC	2.37	569	474	406	356	284	237	178	158	142	114
	4.0	M	C	C	2.74	658	548	470	411	329	274	206	183	164	132
	5.0	F	M	C	3.06	734	612	525	459	367	306	230	204	184	147
	6.0	F	M	M	3.35	804	670	574	503	402	335	251	223	201	161
08 WHITE (50)	1.5	VC	VC	UC	2.23	535	446	382	335	268	223	167	149	134	107
	2.0	C	VC	UC	2.58	619	516	442	387	310	258	194	172	155	124
	3.0	M	C	XC	3.16	758	632	542	474	379	316	237	211	190	152
	4.0	M	C	XC	3.65	876	730	626	548	438	365	274	243	219	175
	5.0	F	C	VC	4.08	979	816	699	612	490	408	306	272	245	196
	6.0	F	M	VC	4.47	1073	894	766	671	536	447	335	298	268	215
10 LIGHT BLUE	1.5	XC	XC	UC	2.79	670	558	478	419	335	279	209	186	167	134
	2.0	VC	VC	UC	3.23	775	646	554	485	388	323	242	215	194	155
	3.0	VC	VC	UC	3.95	948	790	677	593	474	395	296	263	237	190
	4.0	C	C	XC	4.56	1094	912	782	684	547	456	342	304	274	219
	5.0	C	C	XC	5.10	1224	1020	874	765	612	510	383	340	306	245
	6.0	C	C	VC	5.59	1342	1118	958	839	671	559	419	373	335	268
15 LIGHT GREEN	1.5	—	—	UC	4.19	1006	838	718	629	503	419	314	279	251	201
	2.0	—	—	UC	4.83	1159	966	828	725	580	483	362	322	290	232
	3.0	—	—	UC	5.92	1421	1184	1015	888	710	592	444	395	355	284
	4.0	—	—	XC	6.84	1642	1368	1173	1026	821	684	513	456	410	328
	5.0	—	—	XC	7.64	1834	1528	1310	1146	917	764	573	509	458	367
	6.0	—	—	VC	8.37	2009	1674	1435	1256	1004	837	628	558	502	402



TeeJet Technologies Poland
Ul. Innowatorów 8, Dąbrowa
62-070 Poland

Tel: +48 61 843 02 81
e-mail: info.poznan@teejet.com

teejet.com

