



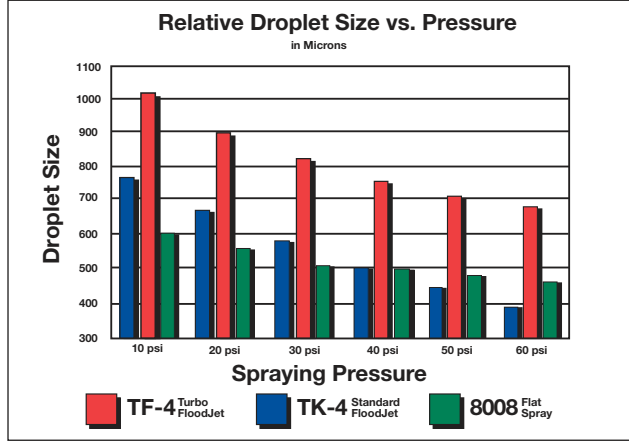
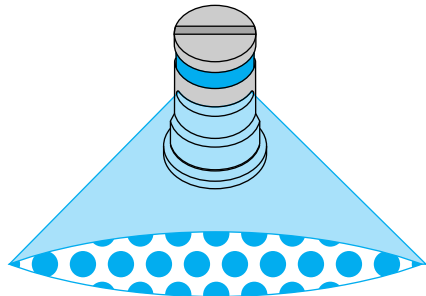
# TURBO FLOODJET® - WIDE ANGLE FLAT SPRAY TIPS

### Typical Applications:

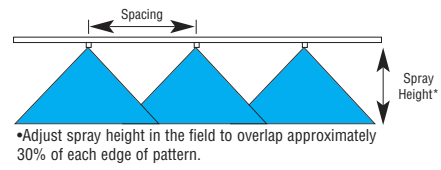
**Excellent:** Systemic Pesticides – Combines precision and uniformity of flat spray nozzles with the clog-resistance and wide angle pattern of flooding nozzles. Produces larger droplets for reduced drift. Uniform coverage when overlapped a minimum of approximately 30% on each edge. If used with contact pesticides, higher spray volumes may be needed to ensure adequate coverage.

### Features:

- Patented design uses turbulence and a pre-orifice to produce large, drift-resistant droplets.
- Excellent spray distribution for uniform coverage along the boom.
- Large, round orifice reduces clogging.
- Stainless steel with VisiFlo® color-coding band for easy size identification.
- Can be used with No. CP25600 – NY Quick TeeJet® cap for automatic alignment.



Tip Color	Tip No. (Strainer Screen Size)	Liquid Pressure in PSI	Capacity 1 Nozzle in GPM	Capacity 1 Nozzle in oz./min.	20" Nozzle Spacing							
					Gallons Per Acre				Gallons Per 1000 Sq. Ft.			
					2 MPH	3 MPH	4 MPH	5 MPH	2 MPH	3 MPH	4 MPH	5 MPH
RED	TF-VS2 (50 Mesh)	10	.20	26	30	19.8	14.9	11.9	.68	.45	.34	.27
		20	.28	36	42	28	21	16.6	.95	.63	.48	.38
		30	.35	45	52	35	26	21	1.2	.79	.60	.48
		40	.40	51	59	40	30	24	1.4	.91	.68	.54
BROWN	TF-VS2.5 (50 Mesh)	10	.25	32	37	25	19	14.9	.85	.57	.43	.34
		20	.35	45	52	35	26	21	1.2	.79	.60	.48
		30	.43	55	64	43	32	26	1.5	.97	.73	.58
		40	.50	64	74	50	37	30	1.7	1.1	.85	.68
GRAY	TF-VS3 (50 Mesh)	10	.30	38	45	30	22	17.8	1.0	.68	.51	.41
		20	.42	54	62	42	31	25	1.4	.95	.71	.57
		30	.52	67	77	51	39	31	1.8	1.2	.88	.71
		40	.60	77	89	59	45	36	2.0	1.4	1.0	.82
WHITE	TF-VS4	10	.40	51	59	40	30	24	1.4	.91	.68	.54
		20	.57	73	85	56	42	34	1.9	1.3	.97	.78
		30	.69	88	102	68	51	41	2.3	1.6	1.2	.94
		40	.80	102	119	79	59	48	2.7	1.8	1.4	1.09
LT. BLUE	TF-VS5	10	.50	64	74	50	37	30	1.7	1.1	.9	.68
		20	.71	91	105	70	53	42	2.4	1.6	1.2	.97
		30	.87	111	129	86	65	52	3.0	2.0	1.5	1.2
		40	1.00	128	149	99	74	59	3.4	2.3	1.7	1.4
LT. GREEN	TF-VS7.5	10	.75	96	111	74	56	45	2.6	1.7	1.3	1.0
		20	1.06	136	157	105	79	63	3.6	2.4	1.8	1.4
		30	1.30	166	193	129	97	77	4.4	2.9	2.2	1.8
		40	1.50	192	223	149	111	89	5.1	3.4	2.6	2.0
BLACK	TF-VS10	10	1.00	128	149	99	74	59	3.4	2.3	1.7	1.4
		20	1.41	180	209	140	105	84	4.8	3.2	2.4	1.9
		30	1.73	221	257	171	128	103	5.9	3.9	2.9	2.4
		40	2.00	256	297	198	149	119	6.8	4.5	3.4	2.7



Suggested Minimum Spray Height	
Nozzle Spacing	Spray Height
20"	14 - 16"
30"	15 - 17"
40"	18 - 20"

**How to order:**  
Specify tip number

Example:  
**TF-VS4** - Stainless steel with VisiFlo® color-coding.

# TURBO TURFJET® (TTJ)



## Wide Angle Flat Fan Spray Nozzle

- Very large droplets.
- Direct replacement for plastic hollow-cone, low drift nozzles.
- More precise flow and distribution pattern.
- Large orifice reduces clogging.
- Nozzle spacing - 20-40 inches (50-100 cm).
- Spraying pressure - 25-75 PSI (1.5-5 bar).
- Use Quick TeeJet cap QJ4676\*-NYR.



Tip Color	Tip No.	Liquid Pressure in PSI	Capacity 1 Nozzle in GPM	20" Nozzle Spacing							
				Gallons Per Acre				Gallons Per 1000 Sq. Ft.			
				2 MPH	3 MPH	4 MPH	5 MPH	2 MPH	3 MPH	4 MPH	5 MPH
YELLOW	1/4TTJ02-VS	20	.14	20.8	13.8	10.4	8.3	.48	.32	.24	.19
		30	.17	25.2	10.8	12.6	10.1	.58	.39	.29	.23
		40	.20	29.8	19.8	14.9	11.9	.68	.45	.34	.27
		50	.22	32.6	21.8	16.3	13.1	.75	.50	.37	.30
		60	.24	35.6	23.8	17.8	14.3	.82	.54	.41	.33
75	.27	40	26.8	20	16	.92	.61	.46	.37		
RED	1/4 TTJ04-VS	20	.28	42	27.8	21	16.6	.95	.63	.48	.38
		30	.35	52	34.6	26	21	1.2	.79	.60	.48
		40	.40	60	39.6	30	24	1.4	.91	.68	.54
		50	.45	66	44	33	27	1.5	1.0	.77	.61
		60	.49	72	48	36	29	1.7	1.1	.83	.67
75	.55	82	54	41	33	1.9	1.2	.94	.75		
BROWN	1/4 TTJ05-VS	20	.35	52	34.6	26	21	1.2	.79	.60	.48
		30	.43	64	45	32	26	1.5	.97	.73	.58
		40	.50	74	50	37	30	1.7	1.1	.85	.68
		50	.56	84	56	42	33	1.9	1.3	.95	.76
		60	.61	90	60	45	36	2.1	1.4	1.0	.83
75	.68	100	68	50	40	2.3	1.5	1.2	.92		
GRAY	1/4 TTJ06-VS	20	.42	62	42	31	25	1.4	.95	.71	.57
		30	.52	78	52	39	31	1.8	1.2	.88	.71
		40	.60	90	60	45	36	2.0	1.4	1.0	.82
		50	.67	100	66	50	40	2.3	1.5	1.1	.91
		60	.73	108	72	54	43	2.5	1.7	1.2	.99
75	.82	122	82	61	49	2.8	1.9	1.4	1.1		
WHITE	1/4 TTJ08-VS	20	.57	84	56	42	34	1.9	1.3	.97	.78
		30	.69	102	68	51	41	2.3	1.6	1.2	.94
		40	.80	118	80	59	48	2.7	1.8	1.4	1.1
		50	.89	132	88	66	53	3.0	2.0	1.5	1.2
		60	.98	146	98	73	58	3.3	2.2	1.7	1.3
75	1.10	164	108	82	65	3.7	2.5	1.9	1.5		
LI. BLUE	1/4 TTJ10-VS	20	.71	100	70	53	42	2.4	1.6	1.2	.97
		30	.87	130	86	65	52	3.0	2.0	1.5	1.2
		40	1.00	148	100	74	59	3.4	2.3	1.7	1.4
		50	1.12	166	110	83	67	3.8	2.5	1.9	1.5
		60	1.22	182	120	91	72	4.1	2.8	2.1	1.7
75	1.37	204	136	102	81	4.7	3.1	2.3	1.9		
LI. GREEN	1/4TTJ15-VS	20	1.06	178	104	79	63	3.6	2.4	1.8	1.4
		30	1.30	194	128	97	77	4.4	2.9	2.2	1.8
		40	1.50	222	148	111	89	5.1	3.4	2.6	2.0
		50	1.68	250	166	125	100	5.7	3.8	2.9	2.3
		60	1.84	274	182	137	109	6.3	4.2	3.1	2.5
75	2.06	306	204	153	122	7.0	4.7	3.5	2.8		

Tabulation based on spraying water at 70°F.

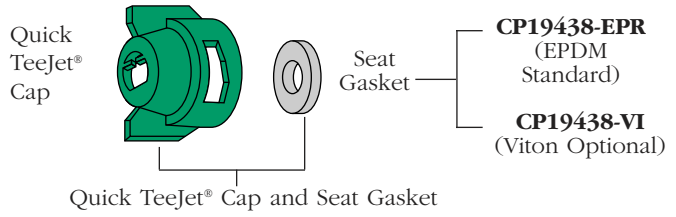
**How to Order:**  
Specify tip number.

Example:  
**1/4TTJ04-VS** - Stainless steel with VisiFlo® color-coding



## QUICK TEEJET® CAPS - ORDERING INFORMATION

The Quick TeeJet® caps are designed with grooves that fit locating lugs on the nozzle body. Caps are made of nylon and are available for use with all TeeJet® spray tips. Maximum operating pressure of 300 PSI.



Quick TeeJet® Caps	Part Number	For Use with Spray Tips
	Quick TeeJet® Cap & Seat Gasket Set	
	25612- * -NYR	<b>TeeJet Flat Spray Tips (Smaller Capacities)</b> Standard -0067 Thru -08               XR -01 Thru -08               DG -015 Thru -05               TT -01 Thru -08
	25610- * -NYR	<b>TeeJet Flat Spray Tips (Larger Capacities)</b> Standard -10 Thru -20               XR -10 Thru -15
	25598- * -NYR	<b>TJ TwinJet®</b> <b>AI TeeJet®</b> No. TJ60 Spray Tip               No. AI Spray Tip
	25600- * -NYR	<b>Turbo FloodJet®</b> <b>TK-VS FloodJet®</b> VisiFlow® Spray Tip               VisiFlow® Spray Tip
	25608- * -NYR	<b>TK FloodJet®</b> <b>FL FullJet®</b> <b>TX ConeJet®</b> <b>TG Full Cone</b> 
	CP25607-* -NY CAP ONLY	D-Disc               Core               Seal <b>CP18999-EPR†</b> (EPDM standard)    †Used with Disc-Core <b>CP18999-VI†</b> (Viton optional)    Sprays (Insert Core into Seal)
	QJ4676-1/8-NYR** QJ4676-1/4-NYR**	Permits use of standard 1/8" and 1/4" nozzles. Can be used for mounting pressure gauge at the nozzle or threaded nozzles.
	19843-NYR**	Provides shutoff at nozzle for quick spacing change or change in spray swath.
	QJ4676-45-1/4-NYR**	45° Quick TeeJet cap for threaded nozzles.
	QJ4676-90-1/4-NYR**	90° Quick TeeJet cap for threaded nozzles.

\*Specify color-code (see chart).  
 \*\*These Quick TeeJet® caps available only in black.

Colors of Quick TeeJet® Caps	Color Code	Colors of Quick TeeJet® Caps	Color Code
Black	1	Green	5
White	2	Yellow	6
Red	3	Brown	7
Blue	4	Orange	8



# SPRAYER CALIBRATION

### Broadcast Application

Sprayer Calibration (1) **readies your sprayer for operation** and (2) **diagnoses tip wear**. This will give you optimum performance of your TeeJet® tips.

- Equipment Needed**
- TeeJet® Calibration Container
  - Calculator
  - TeeJet® Cleaning Brush
  - One new TeeJet® spray tip matched to the nozzles on your sprayer
  - Stopwatch or wristwatch with second hand

### Step No. 1

#### Check Your Sprayer Speed!

Knowing your real sprayer speed is essential for accurate spraying. Speedometer readings and some electronic measurement devices can be inaccurate because of wheel slippage. Check the time required to move over a 100 or 200 foot strip of turf similar to that which will be sprayed. If permanent markers are present, the starting marker should be positioned to allow the sprayer to reach desired spraying speed. Hold that speed as you travel between the “start” and “end” markers. Most accurate measurement will be obtained with the spray tank half full. Calculate your real speed. When the correct throttle and gear setting are identified, mark your tachometer or speedometer to help you control this **vital** part of accurate chemical application.

$$\text{Speed (mph)} = \frac{\text{Distance (ft)} \times 60}{\text{Time (seconds)} \times 88}$$

### Step No. 2

#### The Inputs

Before spraying, record the following: EXAMPLE

- Nozzle type on your sprayer . . . . . XR8002 Flat  
(All nozzles must be identical) Spray Tip
- Recommended application volume . . . 44 GPA or  
(From manufacturer’s label) 1 GAL/1000FT<sup>2</sup>
- Measured sprayer speed . . . . . 3 mph
- Nozzle spacing . . . . . 20 inches “w”

### Step No. 3

#### Calculating Required Nozzle Output

Determine GPM nozzle output from formula.

$$\text{FORMULA: GPM} = \frac{\text{GPA} \times \text{MPH} \times \text{W}}{5940}$$

$$\text{EXAMPLE: GPM} = \frac{40 \text{ GPA} \times 3 \text{ MPH} \times 20 \text{ in}}{5940} = .4 \text{ GPM}$$

or

$$\text{GPA} = \frac{\text{GPM} \times 5940}{\text{MPH} \times \text{W}}$$

### Step No. 4

#### Setting the Correct Pressure

Turn on your sprayer and check for leaks or blockage. Inspect and clean, if necessary, all tips and strainers with a TeeJet® tip cleaning brush. Replace one tip and strainer **with an identical new tip and strainer** on sprayer boom.

Check appropriate tip selection table and determine the pressure required to deliver the nozzle output calculated from the formula in Step 3 for your new tip.

Since all the tabulations are based on spraying water, conversion factors must be used when spraying solutions which are heavier or lighter than water.

Turn on your sprayer and adjust pressure. Collect and measure the volume of the spray from the new tip for one minute in the collection jar. Fine tune the pressure until you collect 0.44 GPM.

You have now adjusted your sprayer to the proper pressure. It will properly deliver the application rate specified by the chemical manufacturer at your measured sprayer speed.

### Step No. 5

#### Calculating Required Nozzle Output

**Problem Diagnosis:** Now, check the flow rate of each tip. If the flow rate of any tip is 10 percent greater or less than that of the newly installed spray tip, recheck the output of that tip. If only one tip is faulty, replace with new tip and strainer and your system is ready for spraying. However, if a second tip is defective, **replace all tips on the entire boom**. This may sound unrealistic, but two worn tips on a boom are ample indication of tip wear problems. Replacing only a couple of worn tips invites potentially serious application problems.

### Suggested Minimum Spray Heights

Spray Angle	Nozzle Height	
	20" Spacing	30" Spacing
65°	22" to 24"	33" to 35"
80°	17" to 19"	26" to 28"
110°	15" to 18"	14" to 18"

\*Spray angles apply to flat spray tips spraying at a rated pressure of 40 PSI. Lower pressures will result in reduced spray angles, except for the XR TeeJet® tip.