

**Step 1: CHOOSE YOUR NOZZLE**

**SYSTEMIC NOZZLES (OPEN BOOM)**

	Excellent	Very Good	Good
<b>Herbicides</b>			
Soil Incorporated	•		
Pre-Emergence	•		
Post-Emergence		•	
<b>Fungicides</b>		•	
<b>Insecticides</b>		•	
<b>Liquid Fertilizer</b>	•		
<b>Drift</b>	•		



Systemic nozzles provide excellent spray distribution through a wide angle, flat spray pattern. These nozzles are excellent at reducing spray drift.



**AIC TEEJET® (AIR INDUCTION FLAT FAN)**

The AIC TeeJet® (Air Induction Flat Fan) nozzle is a good general purpose nozzle that can be used for both contact and systemic applications. The spray pattern is 110 degrees with tapered edges similar to a standard flat fan. This nozzle produces coarse air-filled droplets with a venturi air aspirator. The air-filled drops reduce spray drift but provide good contact coverage. Air Induction nozzles can be operated at higher spray pressures without creating excessive spray drift. Distribution AIC nozzles are best when used at pressures above 30 psi.

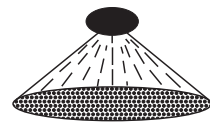
**TURFJET WIDE ANGLE FLAT SPRAY**

The TurfJet is a wide 130 degree angle nozzle with a tapered fan pattern. The TurfJet is best suited for systemic applications where distribution quality is the primary goal. The TurfJet creates extra coarse droplets and provides good drift control. Distribution quality is excellent at all pressures.



**CONTACT NOZZLES (ANY BOOM)**

	Excellent	Very Good	Good
<b>Herbicides</b>			
Soil Incorporated			
Pre-Emergence			
Post-Emergence	• contact/high-pressure		• systemic/low-pressure
<b>Fungicides</b>	• contact/high-pressure		• systemic/low-pressure
<b>Insecticides</b>	• contact/high-pressure		• systemic/low-pressure
<b>Liquid Fertilizer</b>		• systemic/low-pressure	• contact/high-pressure
<b>Drift</b>			• contact/high-pressure



Contact nozzles provide excellent spray distribution over a wide range of pressures. These nozzles allow for better coverage at higher pressures.

*Toro exclusive AI Turbo Twin Jet in the 0.8, 1.0 and 1.5 sizes.*



**AIR INDUCTION TURBO TWINJET®**

The Air Induction Turbo TwinJet® is an air induction style nozzle with two separate 110 degree spray patterns. One spray pattern is directed forward of vertical and the second pattern is directed rear of vertical. This nozzle creates medium and coarse droplets and is an excellent nozzle for contact applications where drift control is needed. The two independent spray patterns improve contact coverage by spraying the turf at two different angles.

**XRC TEEJET® FLAT FAN**

The Standard XRC Flat Fan nozzle has a 110 degree tapered spray pattern and produces medium and fine droplets. Because of the smaller droplets the Standard XRC Flat Fan is best suited for contact applications where drift control is not needed.



	Contact Products	Systemic Products	Drift Control
<b>AIC</b>	Good	Excellent	Excellent
<b>AI Turbo Twinjet</b>	Excellent	Good	Good
<b>Turfjet</b>	Poor	Excellent	Excellent
<b>XRC</b>	Excellent	Good	Poor



**TIP STRAINERS**

**Step 2: NOZZLE SELECTION GUIDE**

**REMEMBER TO FILL ALL THREE NOZZLES on your turret to complete a variety of applications.**

**Step 3: ORDER THE CORRECT CAPS, GASKETS AND TIP STRAINERS**

	Cap	Gasket†	Tip Strainer
<b>AIC</b>	Included	40998	120-0698 or 120-0699
<b>AI Turbo Twinjet</b>	120-8570	40998	120-0698 or 120-0699
<b>Turfjet</b>	95-9186	40998	120-0698 or 120-0699
<b>XRC</b>	Included	40998	120-0698 or 120-0699

† Gaskets are included with the nozzles/caps. Order if extra gaskets are required.

**Step 4: SELECT THE DESIRED MAIN SUCTION LINE FILTER**

Description	80 mesh	50 mesh	30 mesh
<b>Part Number</b>	100-6992	100-8642	100-6991

Color Code	Nozzle Options	Toro Part#	Spray Pressure psi	Capacity 1 Nozzle gpm	Flow in oz/min	Gallons Per Acre – 20" Nozzle Spacing								Gallons per 1000 sq ft – 20" Nozzle Spacing								
						3 mph	3.5 mph	4 mph	4.5 mph	5 mph	5.5 mph	6 mph	6.5 mph	7 mph	2.5 mph	3 mph	3.5 mph	4 mph	4.5 mph	5 mph	5.5 mph	6 mph
Yellow	AIC	120-0700	20	0.14	18	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4	5.9	0.38	0.32	0.27	0.24	0.21	0.19	0.17	0.16
		120-0707	30	0.17	22	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.8	7.2	0.46	0.39	0.33	0.29	0.26	0.23	0.21	0.19
		95-9221	40	0.20	26	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	0.54	0.45	0.39	0.34	0.30	0.27	0.25	0.23
		Not Available	50	0.22	28	21.8	18.7	16.3	14.5	13.1	11.9	10.9	10.1	9.3	0.60	0.50	0.43	0.37	0.33	0.30	0.27	0.25
		120-0698	70	0.26	33	25.7	22.1	19.3	17.2	15.4	14.0	12.9	11.9	11.0	0.71	0.59	0.51	0.44	0.39	0.35	0.32	0.30
Red 0.4 gpm*	AI Turbo TwinJet** TurfJet** XRC Tip Strainer - 50	120-0701	20	0.28	36	27.7	23.8	20.8	18.5	16.6	15.1	13.9	12.8	11.9	0.76	0.63	0.54	0.48	0.42	0.38	0.35	0.32
		120-0708	30	0.35	45	34.7	29.7	26.0	23.1	20.8	18.9	17.3	16.0	14.9	0.95	0.79	0.68	0.60	0.53	0.48	0.43	0.40
		95-9222	40	0.40	51	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	1.09	0.91	0.78	0.68	0.60	0.54	0.49	0.45
		117-5834	50	0.45	58	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	1.22	1.02	0.87	0.77	0.68	0.61	0.56	0.51
Brown 0.5 gpm*	AIC AI Turbo TwinJet** TurfJet** XRC Tip Strainer - 50	120-0702	20	0.35	45	34.7	29.7	26.0	23.1	20.8	18.9	17.3	16.0	14.9	0.95	0.79	0.68	0.60	0.53	0.48	0.43	0.40
		120-0709	30	0.43	55	42.6	36.5	31.9	28.4	25.5	23.2	21.3	19.7	18.2	1.17	0.97	0.84	0.73	0.65	0.58	0.53	0.49
		95-9223	40	0.50	64	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.9	21.2	1.36	1.13	0.97	0.85	0.76	0.68	0.62	0.57
		117-5835	50	0.56	72	55.4	47.5	41.6	37.0	33.3	30.2	27.7	25.6	23.8	1.52	1.27	1.09	0.95	0.85	0.76	0.69	0.63
Gray 0.6 gpm*	AIC AI Turbo TwinJet** TurfJet** XRC Tip Strainer - 50	120-0703	20	0.42	54	41.6	35.6	31.2	27.7	25.0	22.7	20.8	19.2	17.8	1.14	0.95	0.82	0.71	0.63	0.57	0.52	0.48
		120-0710	30	0.52	67	51.5	44.1	38.6	34.3	30.9	28.1	25.7	23.8	22.1	1.41	1.18	1.01	0.88	0.79	0.71	0.64	0.59
		95-9224	40	0.60	77	59.4	50.9	44.6	39.6	35.6	32.4	29.7	27.4	25.5	1.63	1.36	1.17	1.02	0.91	0.82	0.74	0.68
		117-5836	50	0.67	86	66.3	56.9	49.8	44.2	39.8	36.2	33.2	30.6	28.4	1.82	1.52	1.30	1.14	1.01	0.91	0.83	0.76
White 0.8 gpm*	AIC AI Turbo TwinJet TurfJet** XRC Tip Strainer - 50	120-0704	20	0.57	73	56.4	48.4	42.3	37.6	33.9	30.8	28.2	26.0	24.2	1.55	1.29	1.11	0.97	0.86	0.78	0.70	0.65
		120-0711	30	0.69	88	68.3	58.6	51.2	45.5	41.0	37.3	34.2	31.5	29.3	1.88	1.56	1.34	1.17	1.04	0.94	0.85	0.78
		95-9225	40	0.80	102	79.2	67.9	59.4	52.8	47.5	43.2	39.6	36.6	33.9	2.18	1.81	1.55	1.36	1.21	1.09	0.99	0.91
		117-5837	50	0.89	114	88.1	75.5	66.1	58.7	52.9	48.1	44.1	40.7	37.8	2.42	2.02	1.73	1.51	1.34	1.21	1.10	1.01
Blue 1.0 gpm*	AIC AI Turbo TwinJet TurfJet** XRC Tip Strainer - 50	120-0705	20	0.71	91	70.3	60.3	52.7	46.9	42.2	38.3	35.2	32.4	30.1	1.93	1.61	1.38	1.21	1.07	0.97	0.88	0.80
		120-0712	30	0.87	111	86.1	73.8	64.6	57.4	51.7	47.0	43.1	39.8	36.9	2.37	1.97	1.69	1.48	1.31	1.18	1.08	0.99
		95-9188	40	1.00	128	99.0	84.9	74.3	66.0	59.4	54.0	49.5	45.7	42.4	2.72	2.27	1.94	1.70	1.51	1.36	1.24	1.13
		117-5838	50	1.12	143	110.9	95.0	83.2	73.9	66.5	60.5	55.4	51.2	47.5	3.05	2.54	2.18	1.90	1.69	1.52	1.38	1.27
Green 1.5 gpm*	AIC AI Turbo TwinJet TurfJet** XRC Tip Strainer - 50	120-0706	20	1.06	136	104.9	90.0	78.7	70.0	63.0	57.2	52.5	48.4	45.0	2.88	2.40	2.06	1.80	1.60	1.44	1.31	1.20
		120-0713	30	1.30	166	128.7	110.3	96.5	85.8	77.2	70.2	64.4	59.4	55.2	3.54	2.95	2.53	2.21	1.96	1.77	1.61	1.47
		95-9226	40	1.50	192	148.5	127.3	111.4	99.0	89.1	81.0	74.3	68.5	63.6	4.08	3.40	2.91	2.55	2.27	2.04	1.85	1.70
		117-5839	50	1.68	215	166.3	142.6	124.7	110.9	99.8	90.7	83.2	76.8	71.3	4.57	3.81	3.26	2.86	2.54	2.28	2.08	1.90
120-0699	70	1.98	253	196.0	168.0	147.0	130.7	117.6	106.9	98.0	90.5	84.0	5.39	4.49	3.85	3.37	2.99	2.69	2.45	2.24		

80 Mesh 100-6992

50 Mesh 100-8642  
(Standard Equipment)

30 Mesh 100-6991

\* Recommended Valve Cal setting in Pro Control/XP: 46 for nozzles 0.2 gpm and 0.4 gpm. Use 23 for 0.5 gpm and higher.

\*\* TurfJet and TwinJet Air nozzles are not compatible with the Toro Drift Reduction Boom Shroud. Application rates shown for nozzle selection purposes only. Verify actual rate before spraying. Speeds shown are for reference only. Always limit speed to maintain safe operation based on operating conditions.

TeeJet and TwinJet are registered trademarks of Spraying Systems Co.