

FLAT SPRAY NOZZLE FOR BROADCAST SPRAYING

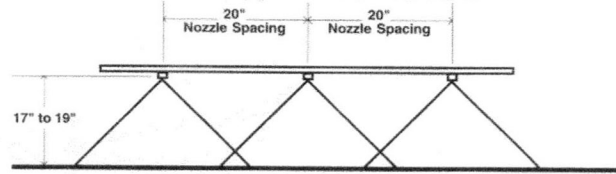
Nozzle No.	Liquid Pressure In PSI.	Nozzle Capacity In GPM	Gallons Per Acre Based on 20" Nozzle Spacing			
			4 MPH	5 MPH	7.5 MPH	10 MPH
8001 or XR8001VS X	20	.07	5.3	4.3	2.8	2.2
	25	.08	5.9	4.7	3.1	2.4
	30	.09	6.4	5.1	3.4	2.6
	40	.10	7.4	6.0	4.0	3.0
80015 or XR80015VS X	20	.11	7.8	6.3	4.3	3.2
	25	.12	8.8	7.1	4.7	3.6
	30	.13	9.7	7.7	5.2	3.9
	40	.15	11.1	8.9	6.0	4.5
8002 or XR8002VS X	20	.14	10.5	8.4	5.6	4.2
	25	.16	11.8	9.4	6.3	4.7
	30	.17	12.9	10.3	6.9	5.2
	40	.20	14.8	11.8	7.9	5.9
8003 or XR8003VS X	20	.21	15.7	12.6	8.4	6.3
	25	.24	17.6	14.1	9.4	7.1
	30	.26	19.0	15.4	10.3	7.7
	40	.30	22.0	17.8	11.8	8.9
8004 or XR8004VS X	20	.28	21.0	16.8	11.2	8.4
	25	.32	24.0	18.7	12.5	9.4
	30	.35	26.0	21.0	13.7	10.3
	40	.40	30.0	24.0	15.8	11.9
8005 or XR8005VS X	20	.35	26.0	21.0	14.0	10.5
	25	.40	29.0	23.0	15.7	11.7
	30	.43	32.0	26.0	17.2	12.9
	40	.50	37.0	30.0	19.8	14.9
8006 or XR8006VS X	20	.42	31.0	25.0	16.9	12.6
	25	.47	35.0	28.0	18.7	14.1
	30	.52	39.0	31.0	21.0	15.5
	40	.60	45.0	36.0	24.0	17.8
8008 or XR8008VS X	20	.56	42.0	34.0	22.0	17.0
	25	.63	47.0	37.0	25.0	19.0
	30	.69	52.0	41.0	27.0	21.0
	40	.80	59.0	48.0	32.0	24.0
8010 or XR8010VS X	20	.70	53.0	42.0	28.0	21.0
	25	.78	59.0	47.0	31.0	24.0
	30	.86	64.0	51.0	34.0	26.0
	40	1.00	74.0	59.0	40.0	30.0

Tabulations for all the following charts are based on spraying water. For different weight fertilizer solutions, obtain the appropriate conversion factor from the table below.

Weight of Solution	Specific Gravity	Conversion Factors
7.0 lbs. per gallon	.84	1.09
8.0 lbs. per gallon	.96	1.02
8.34 lbs. per gallon-WATER	1.00	1.00
9.0 lbs. per gallon	1.08	.96
10.0 lbs. per gallon	1.20	.91
11.0 lbs. per gallon	1.32	.87
12.0 lbs. per gallon	1.44	.83
14.0 lbs. per gallon	1.68	.77
16.0 lbs. per gallon	1.92	.72
18.0 lbs. per gallon	2.16	.68
20.0 lbs. per gallon	2.40	.65

Imperial Gallon = 1.20 U.S.A. Gallons

TIPS SPACED 20" APART



FLOODJET TIPS FOR BROADCAST SPRAYING

Nozzle No.	Orifice Dia.	Liquid Pressure In PSI.	Capacity In GPM.	Gallons Per Acre				
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH
TKVS1 X	.033"	10	.10	3.7	3.0	2.5	1.9	1.5
		20	.14	5.3	4.3	3.5	2.6	2.1
		30	.17	6.4	5.1	4.2	3.2	2.6
		40	.20	7.4	6.0	4.9	3.7	3.0
TKVS1.5 X	.041"	10	.15	5.6	4.5	3.7	2.7	2.0
		20	.21	7.8	6.3	5.2	3.9	2.9
		30	.26	9.7	7.7	6.5	4.8	3.5
		40	.30	11.1	8.9	7.4	5.6	4.1
TKVS2 X	.046"	10	.20	7.4	6.0	4.9	3.7	3.0
		20	.28	10.5	8.4	6.9	5.2	4.2
		30	.35	12.9	10.3	8.7	6.5	5.2
		40	.40	14.8	11.8	9.9	7.5	5.9
TKVS2.5 X	.052"	10	.25	9.3	7.4	6.1	4.6	3.7
		20	.35	12.9	10.3	8.7	6.5	5.2
		30	.43	15.9	12.8	10.6	8.0	6.4
		40	.50	18.6	14.9	12.4	9.3	7.4
TKVS3 X	.057"	10	.30	11.1	8.9	7.5	5.6	4.5
		20	.42	15.7	12.6	10.4	7.8	6.3
		30	.52	19.3	15.4	12.8	9.7	7.7
		40	.60	22.0	17.8	14.8	11.2	8.9
TKVS4 X	.065"	10	.40	14.9	11.9	9.9	7.5	5.9
		20	.57	21.0	16.8	13.9	10.5	8.4
		30	.69	26.0	21.0	17.1	12.8	10.3
		40	.80	30.0	24.0	19.8	14.8	11.9
TKVS5 X	.073"	10	.50	18.6	14.9	12.4	9.3	7.4
		20	.71	27.0	21.0	17.6	13.1	10.7
		30	.87	33.0	26.0	21.7	16.1	13.1
		40	1.00	38.0	30.0	25.2	18.6	15.1
TKVS7.5 X	.091"	10	.75	28.0	22.0	18.7	14.0	11.1
		20	1.10	39.0	32.0	26.4	19.8	15.8
		30	1.30	49.0	39.0	31.9	24.1	19.3
		40	1.50	56.0	45.0	37.4	27.5	22.0
TKVS10 X	.104"	10	1.00	38.0	30.0	25.2	18.5	15.1
		20	1.40	53.0	41.7	35.2	26.4	21.0
		30	1.70	64.0	51.0	41.7	31.9	26.0
		40	2.00	75.0	60.0	49.4	37.4	30.0
TKSS15 X	.129"	10	1.50	56.0	45.0	37.4	27.5	22.0
		20	2.10	79.0	63.0	51.6	39.6	31.0
		30	2.60	97.0	77.0	64.8	48.3	39.0
		40	3.00	111.0	89.0	74.7	56.0	45.0
TKSS20 X	.148"	10	2.00	75.0	60.0	49.4	37.4	30.0
		20	2.80	104.0	83.0	69.2	52.7	42.0
		30	3.50	130.0	104.0	86.8	64.8	52.0
		40	4.00	149.0	119.0	100.0	74.7	59.0
TKSS30 X	.180"	10	3.00	111.0	89.0	74.7	56.0	45.0
		20	4.2	156.0	124.0	104.4	78.2	62.0
		30	5.10	189.0	151.0	126.4	95.8	76.0
		40	6.00	222.0	178.0	149.4	112.0	89.0

Floodjet tips are positioned as shown in the diagram by the chart below. When positioning the tip as shown in Figure A the tip can be operated closer to the ground, thereby reducing the chance of wind drift.

The chart below shows capacities in gallons per acre at various speeds and liquid pressures. Capacities are based on water at 70 degrees F. with nozzles spaced at 40 inches.

The rate chart is based on 40 inch row spacings. For other spacings of nozzles on the boom, multiply the tabulated GPA coverage by the conversion factors shown below.

Other Spacing	20	24	28	30	32	34	36	38	40	42	44
Conversion Factor	2	1.67	1.43	1.33	1.25	1.18	1.11	1.05	1.00	.95	.91

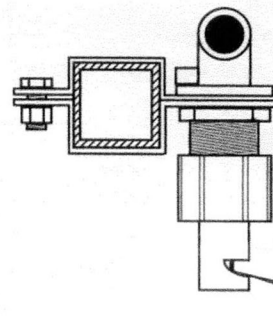
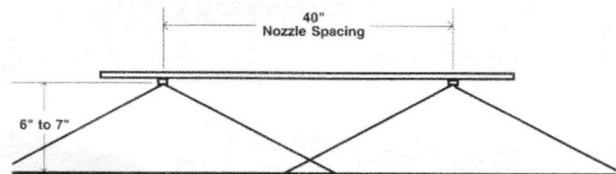


Figure A

TIPS SPACED 40" APART



Flat Uniform Sprayer Pattern