

## Typical Applications



**FERTILIZER  
BROADCAST  
EXCELLENT**



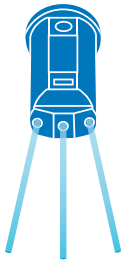
**DRIFT  
CONTROL  
EXCELLENT**



## FEATURES

- The SJ3-VR line of variable rate fertilizer spray tips feature a variable diameter orifice that produces a wide range of flow rates—it's like having five tips in one.
- Allows for a wider range of ground speeds and/or application rates from a single tip for improved productivity.
- Are also ideal for variable rate prescription map applications.
- SJ3-VR tip produces three identical fluid streams for excellent distribution quality in directed applications.
- Solid stream pattern minimizes leaf burn and virtually eliminates drift.
- Acetal body and deflector plate construction for good wear life and chemical resistance.
- Simple, elastomer (EPDM) variable orifice for reliable operation.
- SJ3-VR are intended for use with flow meter based control systems only.
- Multiple capacities available for a wider range of application rates.

## SPRAY PATTERN



## OPTIMUM SPACING AND SPRAY HEIGHT

HEIGHT	SPACING
15"	15"
20"	20"
30"	30"

\*For best spray distribution maintain a 1:1 ratio of tip height to tip spacing.

## RECOMMENDED PRESSURE RANGE



20-100 PSI

## MATERIALS AVAILABLE



POLYMER

## HOW TO ORDER

Polymer with VisiFlo® color-coding

**S J 3 - V R - X 2 . 0**

Tip  
Type

Material  
Code

Capacity  
Size

# StreamJet SJ3-VR VARIABLE RATE

FERTILIZER NOZZLES

TIP PART NO.	PSI	CAPACITY ONE TIP IN GPM	CAPACITY ONE TIP IN OZ/MIN	APPLICATION RATE FOR 15" SPRAY TIP SPACING												APPLICATION RATE FOR 20" SPRAY TIP SPACING											
				3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH		
				<b>SJ3-VR-X0.5</b>																							
20	0.13	17	17.2	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	12.9	9.7	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9			
30	0.16	20	21	15.8	12.7	10.6	7.9	6.3	5.3	4.5	4.0	3.5	3.2	15.8	11.9	9.5	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4			
40	0.18	23	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	17.8	13.4	10.7	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7			
50	0.21	27	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1			
60	0.24	31	32	24	19.0	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	24	17.8	14.3	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6			
70	0.28	36	37	28	22	18.5	13.9	11.1	9.2	7.9	6.9	6.2	5.5	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2			
80	0.32	41	42	32	25	21	15.8	12.7	10.6	9.1	7.9	7.0	6.3	32	24	19.0	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8			
90	0.37	47	49	37	29	24	18.3	14.7	12.2	10.5	9.2	8.1	7.3	37	27	22	18.3	13.7	11.0	9.2	7.8	6.9	6.1	5.5			
100	0.42	54	55	42	33	28	21	16.6	13.9	11.9	10.4	9.2	8.3	42	31	25	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2			
<b>SJ3-VR-X1.0</b>																											
20	0.21	27	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	21	15.6	12.5	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1			
30	0.28	36	37	28	22	18.5	13.9	11.1	9.2	7.9	6.9	6.2	5.5	28	21	16.6	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2			
40	0.35	45	46	35	28	23	17.3	13.9	11.6	9.9	8.7	7.7	6.9	35	26	21	17.3	13.0	10.4	8.7	7.4	6.5	5.8	5.2			
50	0.43	55	57	43	34	28	21	17.0	14.2	12.2	10.6	9.5	8.5	43	32	26	21	16.0	12.8	10.6	9.1	8.0	7.1	6.4			
60	0.51	65	67	50	40	34	25	20	16.8	14.4	12.6	11.2	10.1	50	38	30	25	18.9	15.1	12.6	10.8	9.5	8.4	7.6			
70	0.61	78	81	60	48	40	30	24	20	17.3	15.1	13.4	12.1	60	45	36	30	23	18.1	15.1	12.9	11.3	10.1	9.1			
80	0.71	91	94	70	56	47	35	28	23	20	17.6	15.6	14.1	70	53	42	35	26	21	17.6	15.1	13.2	11.7	10.5			
90	0.82	105	108	81	65	54	41	32	27	23	20	18.0	16.2	81	61	49	41	30	24	20	17.4	15.2	13.5	12.2			
100	0.93	119	123	92	74	61	46	37	31	26	23	20	18.4	92	69	55	46	35	28	23	19.7	17.3	15.3	13.8			
<b>SJ3-VR-X2.0</b>																											
20	0.55	70	73	54	44	36	27	22	18.2	15.6	13.6	12.1	10.9	54	41	33	27	20	16.3	13.6	11.7	10.2	9.1	8.2			
30	0.70	90	92	69	55	46	35	28	23	19.8	17.3	15.4	13.9	69	52	42	35	26	21	17.3	14.9	13.0	11.6	10.4			
40	0.84	108	111	83	67	55	42	33	28	24	21	18.5	16.6	83	62	50	42	31	25	21	17.8	15.6	13.9	12.5			
50	0.97	124	128	96	77	64	48	38	32	27	24	21	19.2	96	72	58	48	36	29	24	21	18.0	16.0	14.4			
60	1.11	142	147	110	88	73	55	44	37	31	27	24	22	110	82	66	55	41	33	27	24	21	18.3	16.5			
70	1.25	160	165	124	99	83	62	50	41	35	31	28	25	124	93	74	62	46	37	31	27	23	21	18.6			
80	1.38	177	182	137	109	91	68	55	46	39	34	30	27	137	102	82	68	51	41	34	29	26	23	20			
90	1.51	193	199	149	120	100	75	60	50	43	37	33	30	149	112	90	75	56	45	37	32	28	25	22			
100	1.64	210	216	162	130	108	81	65	54	46	41	36	32	162	122	97	81	61	49	41	35	30	27	24			

**Note:** Always double check your application rates. Tabulations are based on spraying water at 70°F. See technical information (pages 179–202) for useful formulas and other technical information.

## SPEED RANGE FOR VARIOUS APPLICATION RATES

TIP PART NO.	GROUND SPEED RANGE (MPH) FOR 15" SPACING																GROUND SPEED RANGE (MPH) FOR 20" SPACING															
	5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA		5 GPA		10 GPA		15 GPA		20 GPA		25 GPA		30 GPA		35 GPA		40 GPA	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
<b>SJ3-VR-X0.5</b>	10	33*	5.1	17	3.4	11	2.6	8.3	2.1	6.7	1.7	5.5	1.5	4.8	1.3	4.2	7.7	25	3.9	12	2.6	8.3	1.9	6.2	1.5	5.0	1.3	4.2	1.1	3.6	1.0	3.1
<b>SJ3-VR-X1.0</b>	17	74*	8.3	37*	5.5	25	4.2	18	3.3	15	2.8	12	2.4	11	2.1	9.2	12	55	6.2	28	4.2	18	3.1	14	2.5	11	2.1	9.2	1.8	7.9	1.6	6.9
<b>SJ3-VR-X2.0</b>	–	–	22	65*	15	43*	11	32*	9	26*	7	22	6	19	5	16	–	–	16	49	11	32	8.2	24	6.5	19	5.4	16	4.7	14	4.1	12

\*For safest application, recommended maximum speed is 25 MPH.