

Liquid Fertilizer Distribution Systems

VR Series Application Rate Chart - Nozzles - (Orange Nozzle Single Barb Cap)

Reference Pressure PSI	Nozzle Flow Rate GPM	US GALLONS / Acre @ 5 MPH								
		8"	9"	10"	12"	14"	15"	20"	24"	30"
20	0.10	11.4	10.0	9.1	7.6	6.4	5.2	4.4	3.8	2.6
25	0.11	12.6	11.1	10.1	8.4	7.1	5.8	4.9	4.2	2.9
30	0.15	16.4	14.4	13.1	10.9	9.2	7.8	6.6	5.5	3.9
35	0.22	27.7	24.4	22.2	18.5	15.7	13.3	11.1	9.3	6.7
40	0.35	40.3	35.5	32.3	26.9	24.1	20.6	16.2	13.5	10.3
45	0.37	47.9	42.2	38.4	32.1	29.4	25.3	19.2	16.1	12.7
50	0.44	54.2	47.8	43.4	36.2	31.7	27.7	21.7	18.1	13.9

VR Series Application Rate Chart (Blue Nozzle Single Barb Cap)

Reference Pressure PSI	Nozzle Flow Rate GPM	US GALLONS / Acre @ 5 MPH								
		8"	9"	10"	12"	14"	15"	20"	24"	30"
20	0.18	22.8	20.0	18.1	15.2	12.8	10.3	8.8	7.6	5.2
25	0.20	25.2	22.2	20.2	14.0	14.2	11.5	9.8	8.4	5.8
30	0.26	32.9	28.8	26.2	21.8	18.4	15.6	13.2	10.9	7.8
35	0.44	55.4	40.6	37.0	30.8	26.2	22.2	18.4	15.4	11.1
40	0.64	80.6	71.0	64.5	53.8	48.2	41.3	32.4	26.9	20.6
45	0.76	95.8	84.4	76.8	64.2	58.8	50.6	38.4	32.1	25.3
50	0.86	108.5	95.5	86.8	72.4	63.4	55.4	43.4	36.2	27.7

VR HiFlo Series Application Rate Chart (Yellow Nozzle Single Barb Cap)

Reference Pressure PSI	Flow Per Outlet GPM	US GALLON / Acre @ 5 MPH								
		8"	9"	10"	12"	14"	15"	20"	24"	30"
20	0.13	16.4	14.4	13.1	10.9	9.2	7.3	6.6	5.5	3.7
25	0.18	17.6	15.5	14.1	11.8	10.1	7.8	7.1	5.9	4.1
30	0.20	19.0	16.6	15.1	12.6	10.6	8.2	7.6	6.3	4.2
35	0.30	21.5	19.1	17.1	14.3	12.1	10.6	8.5	7.2	5.3
40	0.40	50.4	44.9	40.3	33.6	28.3	21.7	20.2	16.8	10.9
45	0.45	63.0	56.0	50.5	42.1	35.5	29.9	25.2	21.1	15.1
50	0.55	75.6	67.2	60.6	50.5	42.6	36.1	30.2	25.2	18.1

VR HiFlo Series Application Rate Chart (White Nozzle Single Barb Cap)

Reference Pressure PSI	Flow Per Outlet GPM	US GALLONS / Acre @ 5 MPH								
		8"	9"	10"	12"	14"	15"	20"	24"	30"
20	0.26	32.9	28.8	26.2	21.8	18.5	14.6	13.2	11.0	7.4
25	0.28	35.3	31.0	28.3	24.7	19.9	15.6	14.4	11.8	7.9
30	0.30	36.7	33.4	30.2	25.2	21.1	16.3	15.1	12.6	8.2
35	0.34	43.0	38.4	34.3	28.6	24.2	21.1	17.0	14.4	10.6
40	0.80	100.8	89.8	80.6	67.2	56.8	43.4	40.3	33.6	21.8
45	1.00	126.0	112.1	101.0	84.2	71.0	59.8	50.4	42.1	30.0
50	1.20	151.2	134.4	121.2	101.0	85.2	72.2	60.5	50.5	36.2

IMPORTANT! When nozzle bodies are fitted with the dual barb cap, all application rates in a above charts will be cut in half. Example: Application rates for Blue nozzle double barb cap - 12" spacing 30 PSI - 9.1 GPA.
 Calculation of rates when traveling other than 5 mph, 5/new ground speed x charted application rate = actual application rate (GPA).
 Application chart is to be used as a point of reference only. Ensure product delivery pump is set to deliver the required amount of gallons per acre. Installation of a flow monitor can assist operator in monitoring application rates.