MPH 15 inch nozzle spacing

US Gallons per Acre — DUTY CYCLE

Spray Tip	Pressure (PSI)	Flow Rate (GPM)	2.5 25%	2.5 50%	2.5 75%	2.5 100%	5 25%	5 50%	5 75%	5 100%	7.5 25%	7.5 50%	7.5 75%	7.5 100%	10 25%	10 50%	10 75%	10 100%
02	20	0.14	5.6	11.2	16.8	22.4	2.8	5.6	8.4	11.2	1.9	3.7	5.6	7.5	1.4	2.8	4.2	5.6
	30	0.17	6.9	13.7	20.6	27.4	3.4	6.9	10.3	13.7	2.3	4.6	6.9	9.1	1.7	3.4	5.1	6.9
	40	0.20	7.9	15.8	23.8	31.7	4.0	7.9	11.9	15.8	2.6	5.3	7.9	10.6	2.0	4.0	5.9	7.9
	50	0.22	8.9	17.7	26.6	35.4	4.4	8.9	13.3	17.7	3.0	5.9	8.9	11.8	2.2	4.4	6.6	8.9
	60	0.24	9.7	19.4	29.1	38.8	4.8	9.7	14.5	19.4	3.2	6.5	9.7	12.9	2.4	4.8	7.3	9.7
	70	0.26	10.5	21.0	31.4	41.9	5.2	10.5	15.7	21.0	3.5	7.0	10.5	14.0	2.6	5.2	7.9	10.5
	80	0.28	11.2	22.4	33.6	44.8	5.6	11.2	16.8	22.4	3.7	7.5	11.2	14.9	2.8	5.6	8.4	11.2
	90	0.30	11.9	23.8	35.6	47.5	5.9	11.9	17.8	23.8	4.0	7.9	11.9	15.8	3.0	5.9	8.9	11.9
025	20	0.18	7.0	14.0	21.0	28.0	3.5	7.0	10.5	14.0	2.3	4.7	7.0	9.3	1.8	3.5	5.3	7.0
	30	0.22	8.6	17.1	25.7	34.3	4.3	8.6	12.9	17.1	2.9	5.7	8.6	11.4	2.1	4.3	6.4	8.6
	40	0.25	9.9	19.8	29.7	39.6	5.0	9.9	14.9	19.8	3.3	6.6	9.9	13.2	2.5	5.0	7.4	9.9
	50	0.28	11.1	22.1	33.2	44.3	5.5	11.1	16.6	22.1	3.7	7.4	11.1	14.8	2.8	5.5	8.3	11.1
	60	0.31	12.1	24.2	36.4	48.5	6.1	12.1	18.2	24.2	4.0	8.1	12.1	16.2	3.0	6.1	9.1	12.1
	70	0.33	13.1	26.2	39.3	52.4	6.5	13.1	19.6	26.2	4.4	8.7	13.1	17.5	3.3	6.5	9.8	13.1
	80	0.35	14.0	28.0	42.0	56.0	7.0	14.0	21.0	28.0	4.7	9.3	14.0	18.7	3.5	7.0	10.5	14.0
	90	0.38	14.9	29.7	44.6	59.4	7.4	14.9	22.3	29.7	5.0	9.9	14.9	19.8	3.7	7.4	11.1	14.9
03	20	0.21	8.4	16.8	25.2	33.6	4.2	8.4	12.6	16.8	2.8	5.6	8.4	11.2	2.1	4.2	6.3	8.4
	30	0.26	10.3	20.6	30.9	41.2	5.1	10.3	15.4	20.6	3.4	6.9	10.3	13.7	2.6	5.1	7.7	10.3
	40	0.30	11.9	23.8	35.6	47.5	5.9	11.9	17.8	23.8	4.0	7.9	11.9	15.8	3.0	5.9	8.9	11.9
	50	0.34	13.3	26.6	39.8	53.1	6.6	13.3	19.9	26.6	4.4	8.9	13.3	17.7	3.3	6.6	10.0	13.3
	60	0.37	14.5	29.1	43.6	58.2	7.3	14.5	21.8	29.1	4.8	9.7	14.5	19.4	3.6	7.3	10.9	14.5
	70	0.40	15.7	31.4	47.1	62.9	7.9	15.7	23.6	31.4	5.2	10.5	15.7	21.0	3.9	7.9	11.8	15.7
	80	0.42	16.8	33.6	50.4	67.2	8.4	16.8	25.2	33.6	5.6	11.2	16.8	22.4	4.2	8.4	12.6	16.8
	90	0.45	17.8	35.6	53.5	71.3	8.9	17.8	26.7	35.6	5.9	11.9	17.8	23.8	4.5	8.9	13.4	17.8
04	20	0.28	11.2	22.4	33.6	44.8	5.6	11.2	16.8	22.4	3.7	7.5	11.2	14.9	2.8	5.6	8.4	11.2
	30	0.35	13.7	27.4	41.2	54.9	6.9	13.7	20.6	27.4	4.6	9.1	13.7	18.3	3.4	6.9	10.3	13.7
	40	0.40	15.8	31.7	47.5	63.4	7.9	15.8	23.8	31.7	5.3	10.6	15.8	21.1	4.0	7.9	11.9	15.8
	50	0.45	17.7	35.4	53.1	70.8	8.9	17.7	26.6	35.4	5.9	11.8	17.7	23.6	4.4	8.9	13.3	17.7
	60	0.49	19.4	38.8	58.2	77.6	9.7	19.4	29.1	38.8	6.5	12.9	19.4	25.9	4.8	9.7	14.5	19.4
	70	0.53	21.0	41.9	62.9	83.8	10.5	21.0	31.4	41.9	7.0	14.0	21.0	27.9	5.2	10.5	15.7	21.0
	80	0.57	22.4	44.8	67.2	89.6	11.2	22.4	33.6	44.8	7.5	14.9	22.4	29.9	5.6	11.2	16.8	22.4
	90	0.60	23.8	47.5	71.3	95.0	11.9	23.8	35.6	47.5	7.9	15.8	23.8	31.7	5.9	11.9	17.8	23.8
05	20	0.35	14.0	28.0	42.0	56.0	7.0	14.0	21.0	28.0	4.7	9.3	14.0	18.7	3.5	7.0	10.5	14.0
	30	0.43	17.1	34.3	51.4	68.6	8.6	17.1	25.7	34.3	5.7	11.4	17.1	22.9	4.3	8.6	12.9	17.1
	40	0.50	19.8	39.6	59.4	79.2	9.9	19.8	29.7	39.6	6.6	13.2	19.8	26.4	5.0	9.9	14.9	19.8
	50	0.56	22.1	44.3	66.4	88.5	11.1	22.1	33.2	44.3	7.4	14.8	22.1	29.5	5.5	11.1	16.6	22.1
	60	0.61	24.2	48.5	72.7	97.0	12.1	24.2	36.4	48.5	8.1	16.2	24.2	32.3	6.1	12.1	18.2	24.2
	70	0.66	26.2	52.4	78.6	104.8	13.1	26.2	39.3	52.4	8.7	17.5	26.2	34.9	6.5	13.1	19.6	26.2
	80	0.71	28.0	56.0	84.0	112.0	14.0	28.0	42.0	56.0	9.3	18.7	28.0	37.3	7.0	14.0	21.0	28.0
	90	0.75	29.7	59.4	89.1	118.8	14.9	29.7	44.6	59.4	9.9	19.8	29.7	39.6	7.4	14.9	22.3	29.7
06	20	0.42	16.8	33.6	50.4	67.2	8.4	16.8	25.2	33.6	5.6	11.2	16.8	22.4	4.2	8.4	12.6	16.8
	30	0.52	20.6	41.2	61.7	82.3	10.3	20.6	30.9	41.2	6.9	13.7	20.6	27.4	5.1	10.3	15.4	20.6
	40	0.60	23.8	47.5	71.3	95.0	11.9	23.8	35.6	47.5	7.9	15.8	23.8	31.7	5.9	11.9	17.8	23.8
	50	0.67	26.6	53.1	79.7	106.3	13.3	26.6	39.8	53.1	8.9	17.7	26.6	35.4	6.6	13.3	19.9	26.6
	60	0.73	29.1	58.2	87.3	116.4	14.5	29.1	43.6	58.2	9.7	19.4	29.1	38.8	7.3	14.5	21.8	29.1
	70	0.79	31.4	62.9	94.3	125.7	15.7	31.4	47.1	62.9	10.5	21.0	31.4	41.9	7.9	15.7	23.6	31.4
	80	0.85	33.6	67.2	100.8	134.4	16.8	33.6	50.4	67.2	11.2	22.4	33.6	44.8	8.4	16.8	25.2	33.6
	90	0.90	35.6	71.3	106.9	142.6	17.8	35.6	53.5	71.3	11.9	23.8	35.6	47.5	8.9	17.8	26.7	35.6
08	20	0.57	22.4	44.8	67.2	89.6	11.2	22.4	33.6	44.8	7.5	14.9	22.4	29.9	5.6	11.2	16.8	22.4
	30	0.69	27.4	54.9	82.3	109.7	13.7	27.4	41.2	54.9	9.1	18.3	27.4	36.6	6.9	13.7	20.6	27.4
	40	0.80	31.7	63.4	95.0	126.7	15.8	31.7	47.5	63.4	10.6	21.1	31.7	42.2	7.9	15.8	23.8	31.7
	50	0.89	35.4	70.8	106.3	141.7	17.7	35.4	53.1	70.8	11.8	23.6	35.4	47.2	8.9	17.7	26.6	35.4
	60	0.98	38.8	77.6	116.4	155.2	19.4	38.8	58.2	77.6	12.9	25.9	38.8	51.7	9.7	19.4	29.1	38.8
	70	1.06	41.9	83.8	125.7	167.6	21.0	41.9	62.9	83.8	14.0	27.9	41.9	55.9	10.5	21.0	31.4	41.9
	80	1.13	44.8	89.6	134.4	179.2	22.4	44.8	67.2	89.6	14.9	29.9	44.8	59.7	11.2	22.4	33.6	44.8
	90	1.20	47.5	95.0	142.6	190.1	23.8	47.5	71.3	95.0	15.8	31.7	47.5	63.4	11.9	23.8	35.6	47.5
10	20	0.71	28.0	56.0	84.0	112.0	14.0	28.0	42.0	56.0	9.3	18.7	28.0	37.3	7.0	14.0	21.0	28.0
	30	0.87	34.3	68.6	102.9	137.2	17.1	34.3	51.4	68.6	11.4	22.9	34.3	45.7	8.6	17.1	25.7	34.3
	40	1.00	39.6	79.2	118.8	158.4	19.8	39.6	59.4	79.2	13.2	26.4	39.6	52.8	9.9	19.8	29.7	39.6
	50	1.12	44.3	88.5	132.8	177.1	22.1	44.3	66.4	88.5	14.8	29.5	44.3	59.0	11.1	22.1	33.2	44.3
	60	1.22	48.5	97.0	145.5	194.0	24.2	48.5	72.7	97.0	16.2	32.3	48.5	64.7	12.1	24.2	36.4	48.5
	70	1.32	52.4	104.8	157.2	209.5	26.2	52.4	78.6	104.8	17.5	34.9	52.4	69.8	13.1	26.2	39.3	52.4
	80	1.41	56.0	112.0	168.0	224.0	28.0	56.0	84.0	112.0	18.7	37.3	56.0	74.7	14.0	28.0	42.0	56.0
	90	1.50	59.4	118.8	178.2	237.6	29.7	59.4	89.1	118.8	19.8	39.6	59.4	79.2	14.9	29.7	44.6	59.4
15	20	1.06	42.0	84.0	126.0	168.0	21.0	42.0	63.0	84.0	14.0	28.0	42.0	56.0	10.5	21.0	31.5	42.0
	30	1.30	51.4	102.9	154.3	205.8	25.7	51.4	77.2	102.9	17.1	34.3	51.4	68.6	12.9	25.7	38.6	51.4
	40	1.50	59.4	118.8	178.2	237.6	29.7	59.4	89.1	118.8	19.8	39.6	59.4	79.2	14.9	29.7	44.6	59.4
	50	1.68	66.4	132.8	199.2	265.6	33.2	66.4	99.6	132.8	22.1	44.3	66.4	88.5	16.6	33.2	49.8	66.4
	60	1.84	72.7	145.5	218.2	291.0	36.4	72.7	109.1	145.5	24.2	48.5	72.7	97.0	18.2	36.4	54.6	72.7
	70	1.98	78.6	157.2	235.7	314.3	39.3	78.6	117.9	157.2	26.2	52.4	78.6	104.8	19.6	39.3	58.9	78.6
	80	2.12	84.0	168.0	252.0	336.0	42.0	84.0	126.0	168.0	28.0	56.0	84.0	112.0	21.0	42.0	63.0	84.0
	90	2.25	89.1	178.2	267.3	356.4	44.6	89.1	133.7	178.2	29.7	59.4	89.1	118.8	22.3	44.6	66.8	89.1
20	20	1.41	56.0	112.0	168.0	224.0	28.0	56.0	84.0	112.0	18.7	37.3	56.0	74.7	14.0	28.0	42.0	56.0
	30	1.73	68.6	137.2	205.8	274.4	34.3	68.6	102.9	137.2	22.9	45.7	68.6	91.5	17.1	34.3	51.4	68.6
	40	2.00	79.2	158.4	237.6	316.8	39.6	79.2	118.8	158.4	26.4	52.8	79.2	105.6	19.8	39.6	59.4	79.2
	50	2.24	88.5	177.1	265.6	354.2	44.3	88.5	132.8	177.1	29.5	59.0	88.5	118.1	22.1	44.3	66.4	88.5
	60	2.45	97.0	194.0	291.0	388.0	48.5	97.0	145.5	194.0	32.3	64.7	97.0	129.3	24.2	48.5	72.7	97.0
	70	2.65	####	209.5	314.3	419.1	52.4	####	157.2	209.5	34.9	69.8	####	139.7	26.2	52.4	78.6	####
	80	2.83	####	224.0	336.0	448.0	56.0	####	168.0	224.0	37.3	74.7	####	149.3	28.0	56.0	84.0	####
	90	3.00	####	237.6	356.4	475.2	59.4	####	178.2	237.6	39.6	79.2	####	158.4	29.7	59.4	89.1	####

Spray Tip	Pressure (PSI)	Flow Rate (GPM)	12.5 25%	12.5 50%	12.5 75%	12.5 100%	15 25%	15 50%	15 75%	15 100%	17.5 25%	17.5 50%	17.5 75%	17.5 100%	20 25%	20 50%	20 75%	20 100%
02	20	0.14	1.1	2.2	3.4	4.5	0.9	1.9	2.8	3.7	0.8	1.6	2.4	3.2	0.7	1.4	2.1	2.8
	30	0.17	1.4	2.7	4.1	5.5	1.1	2.3	3.4	4.6	1.0	2.0	2.9	3.9	0.9	1.7	2.6	3.4
	40	0.20	1.6	3.2	4.8	6.3	1.3	2.6	4.0	5.3	1.1	2.3	3.4	4.5	1.0	2.0	3.0	4.0
	50	0.22	1.8	3.5	5.3	7.1	1.5	3.0	4.4	5.9	1.3	2.5	3.8	5.1	1.1	2.2	3.3	4.4
	60	0.24	1.9	3.9	5.8	7.8	1.6	3.2	4.8	6.5	1.4	2.8	4.2	5.5	1.2	2.4	3.6	4.8
	70	0.26	2.1	4.2	6.3	8.4	1.7	3.5	5.2	7.0	1.5	3.0	4.5	6.0	1.3	2.6	3.9	5.2
	80	0.28	2.2	4.5	6.7	9.0	1.9	3.7	5.6	7.5	1.6	3.2	4.8	6.4	1.4	2.8	4.2	5.6
	90	0.30	2.4	4.8	7.1	9.5	2.0	4.0	5.9	7.9	1.7	3.4	5.1	6.8	1.5	3.0	4.5	5.9
025	20	0.18	1.4	2.8	4.2	5.6	1.2	2.3	3.5	4.7	1.0	2.0	3.0	4.0	0.9	1.8	2.6	3.5
	30	0.22	1.7	3.4	5.1	6.9	1.4	2.9	4.3	5.7	1.2	2.4	3.7	4.9	1.1	2.1	3.2	4.3
	40	0.25	2.0	4.0	5.9	7.9	1.7	3.3	5.0	6.6	1.4	2.8	4.2	5.7	1.2	2.5	3.7	5.0
	50	0.28	2.2	4.4	6.6	8.9	1.8	3.7	5.5	7.4	1.6	3.2	4.7	6.3	1.4	2.8	4.2	5.5
	60	0.31	2.4	4.8	7.3	9.7	2.0	4.0	6.1	8.1	1.7	3.5	5.2	6.9	1.5	3.0	4.5	6.1
	70	0.33	2.6	5.2	7.9	10.5	2.2	4.4	6.5	8.7	1.9	3.7	5.6	7.5	1.6	3.3	4.9	6.5
	80	0.35	2.8	5.6	8.4	11.2	2.3	4.7	7.0	9.3	2.0	4.0	6.0	8.0	1.8	3.5	5.3	7.0
	90	0.38	3.0	5.9	8.9	11.9	2.5	5.0	7.4	9.9	2.1	4.2	6.4	8.5	1.9	3.7	5.6	7.4
03	20	0.21	1.7	3.4	5.0	6.7	1.4	2.8	4.2	5.6	1.2	2.4	3.6	4.8	1.1	2.1	3.2	4.2
	30	0.26	2.1	4.1	6.2	8.2	1.7	3.4	5.1	6.9	1.5	2.9	4.4	5.9	1.3	2.6	3.9	5.1
	40	0.30	2.4	4.8	7.1	9.5	2.0	4.0	5.9	7.9	1.7	3.4	5.1	6.8	1.5	3.0	4.5	5.9
	50	0.34	2.7	5.3	8.0	10.6	2.2	4.4	6.6	8.9	1.9	3.8	5.7	7.6	1.7	3.3	5.0	6.6
	60	0.37	2.9	5.8	8.7	11.6	2.4	4.8	7.3	9.7	2.1	4.2	6.2	8.3	1.8	3.6	5.5	7.3
	70	0.40	3.1	6.3	9.4	12.6	2.6	5.2	7.9	10.5	2.2	4.5	6.7	9.0	2.0	3.9	5.9	7.9
	80	0.42	3.4	6.7	10.1	13.4	2.8	5.6	8.4	11.2	2.4	4.8	7.2	9.6	2.1	4.2	6.3	8.4
	90	0.45	3.6	7.1	10.7	14.3	3.0	5.9	8.9	11.9	2.5	5.1	7.6	10.2	2.2	4.5	6.7	8.9
04	20	0.28	2.2	4.5	6.7	9.0	1.9	3.7	5.6	7.5	1.6	3.2	4.8	6.4	1.4	2.8	4.2	5.6
	30	0.35	2.7	5.5	8.2	11.0	2.3	4.6	6.9	9.1	2.0	3.9	5.9	7.8	1.7	3.4	5.1	6.9
	40	0.40	3.2	6.3	9.5	12.7	2.6	5.3	7.9	10.6	2.3	4.5	6.8	9.1	2.0	4.0	5.9	7.9
	50	0.45	3.5	7.1	10.6	14.2	3.0	5.9	8.9	11.8	2.5	5.1	7.6	10.1	2.2	4.4	6.6	8.9
	60	0.49	3.9	7.8	11.6	15.5	3.2	6.5	9.7	12.9	2.8	5.5	8.3	11.1	2.4	4.8	7.3	9.7
	70	0.53	4.2	8.4	12.6	16.8	3.5	7.0	10.5	14.0	3.0	6.0	9.0	12.0	2.6	5.2	7.9	10.5
	80	0.57	4.5	9.0	13.4	17.9	3.7	7.5	11.2	14.9	3.2	6.4	9.6	12.8	2.8	5.6	8.4	11.2
	90	0.60	4.8	9.5	14.3	19.0	4.0	7.9	11.9	15.8	3.4	6.8	10.2	13.6	3.0	5.9	8.9	11.9
05	20	0.35	2.8	5.6	8.4	11.2	2.3	4.7	7.0	9.3	2.0	4.0	6.0	8.0	1.8	3.5	5.3	7.0
	30	0.43	3.4	6.9	10.3	13.7	2.9	5.7	8.6	11.4	2.4	4.9	7.3	9.8	2.1	4.3	6.4	8.6
	40	0.50	4.0	7.9	11.9	15.8	3.3	6.6	9.9	13.2	2.8	5.7	8.5	11.3	2.5	5.0	7.4	9.9
	50	0.56	4.4	8.9	13.3	17.7	3.7	7.4	11.1	14.8	3.2	6.3	9.5	12.6	2.8	5.5	8.3	11.1
	60	0.61	4.8	9.7	14.5	19.4	4.0	8.1	12.1	16.2	3.5	6.9	10.4	13.9	3.0	6.1	9.1	12.1
	70	0.66	5.2	10.5	15.7	21.0	4.4	8.7	13.1	17.5	3.7	7.5	11.2	15.0	3.3	6.5	9.8	13.1
	80	0.71	5.6	11.2	16.8	22.4	4.7	9.3	14.0	18.7	4.0	8.0	12.0	16.0	3.5	7.0	10.5	14.0
	90	0.75	5.9	11.9	17.8	23.8	5.0	9.9	14.9	19.8	4.2	8.5	12.7	17.0	3.7	7.4	11.1	14.9
06	20	0.42	3.4	6.7	10.1	13.4	2.8	5.6	8.4	11.2	2.4	4.8	7.2	9.6	2.1	4.2	6.3	8.4
	30	0.52	4.1	8.2	12.3	16.5	3.4	6.9	10.3	13.7	2.9	5.9	8.8	11.8	2.6	5.1	7.7	10.3
	40	0.60	4.8	9.5	14.3	19.0	4.0	7.9	11.9	15.8	3.4	6.8	10.2	13.6	3.0	5.9	8.9	11.9
	50	0.67	5.3	10.6	15.9	21.3	4.4	8.9	13.3	17.7	3.8	7.6	11.4	15.2	3.3	6.6	10.0	13.3
	60	0.73	5.8	11.6	17.5	23.3	4.8	9.7	14.5	19.4	4.2	8.3	12.5	16.6	3.6	7.3	10.9	14.5
	70	0.79	6.3	12.6	18.9	25.1	5.2	10.5	15.7	21.0	4.5	9.0	13.5	18.0	3.9	7.9	11.8	15.7
	80	0.85	6.7	13.4	20.2	26.9	5.6	11.2	16.8	22.4	4.8	9.6	14.4	19.2	4.2	8.4	12.6	16.8
	90	0.90	7.1	14.3	21.4	28.5	5.9	11.9	17.8	23.8	5.1	10.2	15.3	20.4	4.5	8.9	13.4	17.8
08	20	0.57	4.5	9.0	13.4	17.9	3.7	7.5	11.2	14.9	3.2	6.4	9.6	12.8	2.8	5.6	8.4	11.2
	30	0.69	5.5	11.0	16.5	21.9	4.6	9.1	13.7	18.3	3.9	7.8	11.8	15.7	3.4	6.9	10.3	13.7
	40	0.80	6.3	12.7	19.0	25.3	5.3	10.6	15.8	21.1	4.5	9.1	13.6	18.1	4.0	7.9	11.9	15.8
	50	0.89	7.1	14.2	21.3	28.3	5.9	11.8	17.7	23.6	5.1	10.1	15.2	20.2	4.4	8.9	13.3	17.7
	60	0.98	7.8	15.5	23.3	31.0	6.5	12.9	19.4	25.9	5.5	11.1	16.6	22.2	4.8	9.7	14.5	19.4
	70	1.06	8.4	16.8	25.1	33.5	7.0	14.0	21.0	27.9	6.0	12.0	18.0	23.9	5.2	10.5	15.7	21.0
	80	1.13	9.0	17.9	26.9	35.8	7.5	14.9	22.4	29.9	6.4	12.8	19.2	25.6	5.6	11.2	16.8	22.4
	90	1.20	9.5	19.0	28.5	38.0	7.9	15.8	23.8	31.7	6.8	13.6	20.4	27.2	5.9	11.9	17.8	23.8
10	20	0.71	5.6	11.2	16.8	22.4	4.7	9.3	14.0	18.7	4.0	8.0	12.0	16.0	3.5	7.0	10.5	14.0
	30	0.87	6.9	13.7	20.6	27.4	5.7	11.4	17.1	22.9	4.9	9.8	14.7	19.6	4.3	8.6	12.9	17.1
	40	1.00	7.9	15.8	23.8	31.7	6.6	13.2	19.8	26.4	5.7	11.3	17.0	22.6	5.0	9.9	14.9	19.8
	50	1.12	8.9	17.7	26.6	35.4	7.4	14.8	22.1	29.5	6.3	12.6	19.0	25.3	5.5	11.1	16.6	22.1
	60	1.22	9.7	19.4	29.1	38.8	8.1	16.2	24.2	32.3	6.9	13.9	20.8	27.7	6.1	12.1	18.2	24.2
	70	1.32	10.5	21.0	31.4	41.9	8.7	17.5	26.2	34.9	7.5	15.0	22.5	29.9	6.5	13.1	19.6	26.2
	80	1.41	11.2	22.4	33.6	44.8	9.3	18.7	28.0	37.3	8.0	16.0	24.0	32.0	7.0	14.0	21.0	28.0
	90	1.50	11.9	23.8	35.6	47.5	9.9	19.8	29.7	39.6	8.5	17.0	25.5	33.9	7.4	14.9	22.3	29.7
15	20	1.06	8.4	16.8	25.2	33.6	7.0	14.0	21.0	28.0	6.0	12.0	18.0	24.0	5.3	10.5	15.8	21.0
	30	1.30	10.3	20.6	30.9	41.2	8.6	17.1	25.7	34.3	7.3	14.7	22.0	29.4	6.4	12.9	19.3	25.7
	40	1.50	11.9	23.8	35.6	47.5	9.9	19.8	29.7	39.6	8.5	17.0	25.5	33.9	7.4	14.9	22.3	29.7
	50	1.68	13.3	26.6	39.8	53.1	11.1	22.1	33.2	44.3	9.5	19.0	28.5	37.9	8.3	16.6	24.9	33.2
	60	1.84	14.5	29.1	43.6	58.2	12.1	24.2	36.4	48.5	10.4	20.8	31.2	41.6	9.1	18.2	27.3	36.4
	70	1.98	15.7	31.4	47.1	62.9	13.1	26.2	39.3	52.4	11.2	22.5	33.7	44.9	9.8	19.6	29.5	39.3
	80	2.12	16.8	33.6	50.4	67.2	14.0	28.0	42.0	56.0	12.0	24.0	36.0	48.0	10.5	21.0	31.5	42.0
	90	2.25	17.8	35.6	53.5	71.3	14.9	29.7	44.6	59.4	12.7	25.5	38.2	50.9	11.1	22.3	33.4	44.6
20	20	1.41	11.2	22.4	33.6	44.8	9.3	18.7	28.0	37.3	8.0	16.0	24.0	32.0	7.0	14.0	21.0	28.0
	30	1.73	13.7	27.4	41.2	54.9	11.4	22.9	34.3	45.7	9.8	19.6	29.4	39.2	8.6	17.1	25.7	34.3
	40	2.00	15.8	31.7	47.5	63.4	13.2	26.4	39.6	52.8	11.3	22.6	33.9	45.3	9.9	19.8	29.7	39.6
	50	2.24	17.7	35.4	53.1	70.8	14.8	29.5	44.3	59.0	12.6	25.3	37.9	50.6	11.1	22.1	33.2	44.3
	60	2.45	19.4	38.8	58.2	77.6	16.2	32.3	48.5	64.7	13.9	27.7	41.6	55.4	12.1	24.2	36.4	48.5
	70	2.65	21.0	41.9	62.9	83.8	17.5	34.9	52.4	69.8	15.0	29.9	44.9	59.9	13.1	26.2	39.3	52.4
	80	2.83	22.4	44.8	67.2	89.6	18.7	37.3	56.0	74.7	16.0	32.0	48.0	64.0	14.0	28.0	42.0	56.0
	90	3.00	23.8	47.5	71.3	95.0	19.8	39.6	59.4	79.2	17.0	33.9	50.9	67.9	14.9	29.7	44.6	59.4

Spray Tip	Pressure (PSI)	Flow Rate (GPM)	22.5 25%	22.5 50%	22.5 75%	22.5 100%	25 25%	25 50%	25 75%	25 100%	27.5 25%	27.5 50%	27.5 75%	27.5 100%	30 25%	30 50%	30 75%	30 100%
02	20	0.14	0.6	1.2	1.9	2.5	0.6	1.1	1.7	2.2	0.5	1.0	1.5	2.0	0.5	0.9	1.4	1.9
	30	0.17	0.8	1.5	2.3	3.0	0.7	1.4	2.1	2.7	0.6	1.2	1.9	2.5	0.6	1.1	1.7	2.3
	40	0.20	0.9	1.8	2.6	3.5	0.8	1.6	2.4	3.2	0.7	1.4	2.2	2.9	0.7	1.3	2.0	2.6
	50	0.22	1.0	2.0	3.0	3.9	0.9	1.8	2.7	3.5	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0
	60	0.24	1.1	2.2	3.2	4.3	1.0	1.9	2.9	3.9	0.9	1.8	2.6	3.5	0.8	1.6	2.4	3.2
	70	0.26	1.2	2.3	3.5	4.7	1.0	2.1	3.1	4.2	1.0	1.9	2.9	3.8	0.9	1.7	2.6	3.5
	80	0.28	1.2	2.5	3.7	5.0	1.1	2.2	3.4	4.5	1.0	2.0	3.1	4.1	0.9	1.9	2.8	3.7
	90	0.30	1.3	2.6	4.0	5.3	1.2	2.4	3.6	4.8	1.1	2.2	3.2	4.3	1.0	2.0	3.0	4.0
025	20	0.18	0.8	1.6	2.3	3.1	0.7	1.4	2.1	2.8	0.6	1.3	1.9	2.5	0.6	1.2	1.8	2.3
	30	0.22	1.0	1.9	2.9	3.8	0.9	1.7	2.6	3.4	0.8	1.6	2.3	3.1	0.7	1.4	2.1	2.9
	40	0.25	1.1	2.2	3.3	4.4	1.0	2.0	3.0	4.0	0.9	1.8	2.7	3.6	0.8	1.7	2.5	3.3
	50	0.28	1.2	2.5	3.7	4.9	1.1	2.2	3.3	4.4	1.0	2.0	3.0	4.0	0.9	1.8	2.8	3.7
	60	0.31	1.3	2.7	4.0	5.4	1.2	2.4	3.6	4.8	1.1	2.2	3.3	4.4	1.0	2.0	3.0	4.0
	70	0.33	1.5	2.9	4.4	5.8	1.3	2.6	3.9	5.2	1.2	2.4	3.6	4.8	1.1	2.2	3.3	4.4
	80	0.35	1.6	3.1	4.7	6.2	1.4	2.8	4.2	5.6	1.3	2.5	3.8	5.1	1.2	2.3	3.5	4.7
	90	0.38	1.7	3.3	5.0	6.6	1.5	3.0	4.5	5.9	1.4	2.7	4.1	5.4	1.2	2.5	3.7	5.0
03	20	0.21	0.9	1.9	2.8	3.7	0.8	1.7	2.5	3.4	0.8	1.5	2.3	3.1	0.7	1.4	2.1	2.8
	30	0.26	1.1	2.3	3.4	4.6	1.0	2.1	3.1	4.1	0.9	1.9	2.8	3.7	0.9	1.7	2.6	3.4
	40	0.30	1.3	2.6	4.0	5.3	1.2	2.4	3.6	4.8	1.1	2.2	3.2	4.3	1.0	2.0	3.0	4.0
	50	0.34	1.5	3.0	4.4	5.9	1.3	2.7	4.0	5.3	1.2	2.4	3.6	4.8	1.1	2.2	3.3	4.4
	60	0.37	1.6	3.2	4.8	6.5	1.5	2.9	4.4	5.8	1.3	2.6	4.0	5.3	1.2	2.4	3.6	4.8
	70	0.40	1.7	3.5	5.2	7.0	1.6	3.1	4.7	6.3	1.4	2.9	4.3	5.7	1.3	2.6	3.9	5.2
	80	0.42	1.9	3.7	5.6	7.5	1.7	3.4	5.0	6.7	1.5	3.1	4.6	6.1	1.4	2.8	4.2	5.6
	90	0.45	2.0	4.0	5.9	7.9	1.8	3.6	5.3	7.1	1.6	3.2	4.9	6.5	1.5	3.0	4.5	5.9
04	20	0.28	1.2	2.5	3.7	5.0	1.1	2.2	3.4	4.5	1.0	2.0	3.1	4.1	0.9	1.9	2.8	3.7
	30	0.35	1.5	3.0	4.6	6.1	1.4	2.7	4.1	5.5	1.2	2.5	3.7	5.0	1.1	2.3	3.4	4.6
	40	0.40	1.8	3.5	5.3	7.0	1.6	3.2	4.8	6.3	1.4	2.9	4.3	5.8	1.3	2.6	4.0	5.3
	50	0.45	2.0	3.9	5.9	7.9	1.8	3.5	5.3	7.1	1.6	3.2	4.8	6.4	1.5	3.0	4.4	5.9
	60	0.49	2.2	4.3	6.5	8.6	1.9	3.9	5.8	7.8	1.8	3.5	5.3	7.1	1.6	3.2	4.8	6.5
	70	0.53	2.3	4.7	7.0	9.3	2.1	4.2	6.3	8.4	1.9	3.8	5.7	7.6	1.7	3.5	5.2	7.0
	80	0.57	2.5	5.0	7.5	10.0	2.2	4.5	6.7	9.0	2.0	4.1	6.1	8.1	1.9	3.7	5.6	7.5
	90	0.60	2.6	5.3	7.9	10.6	2.4	4.8	7.1	9.5	2.2	4.3	6.5	8.6	2.0	4.0	5.9	7.9
05	20	0.35	1.6	3.1	4.7	6.2	1.4	2.8	4.2	5.6	1.3	2.5	3.8	5.1	1.2	2.3	3.5	4.7
	30	0.43	1.9	3.8	5.7	7.6	1.7	3.4	5.1	6.9	1.6	3.1	4.7	6.2	1.4	2.9	4.3	5.7
	40	0.50	2.2	4.4	6.6	8.8	2.0	4.0	5.9	7.9	1.8	3.6	5.4	7.2	1.7	3.3	5.0	6.6
	50	0.56	2.5	4.9	7.4	9.8	2.2	4.4	6.6	8.9	2.0	4.0	6.0	8.0	1.8	3.7	5.5	7.4
	60	0.61	2.7	5.4	8.1	10.8	2.4	4.8	7.3	9.7	2.2	4.4	6.6	8.8	2.0	4.0	6.1	8.1
	70	0.66	2.9	5.8	8.7	11.6	2.6	5.2	7.9	10.5	2.4	4.8	7.1	9.5	2.2	4.4	6.5	8.7
	80	0.71	3.1	6.2	9.3	12.4	2.8	5.6	8.4	11.2	2.5	5.1	7.6	10.2	2.3	4.7	7.0	9.3
	90	0.75	3.3	6.6	9.9	13.2	3.0	5.9	8.9	11.9	2.7	5.4	8.1	10.8	2.5	5.0	7.4	9.9
06	20	0.42	1.9	3.7	5.6	7.5	1.7	3.4	5.0	6.7	1.5	3.1	4.6	6.1	1.4	2.8	4.2	5.6
	30	0.52	2.3	4.6	6.9	9.1	2.1	4.1	6.2	8.2	1.9	3.7	5.6	7.5	1.7	3.4	5.1	6.9
	40	0.60	2.6	5.3	7.9	10.6	2.4	4.8	7.1	9.5	2.2	4.3	6.5	8.6	2.0	4.0	5.9	7.9
	50	0.67	3.0	5.9	8.9	11.8	2.7	5.3	8.0	10.6	2.4	4.8	7.2	9.7	2.2	4.4	6.6	8.9
	60	0.73	3.2	6.5	9.7	12.9	2.9	5.8	8.7	11.6	2.6	5.3	7.9	10.6	2.4	4.8	7.3	9.7
	70	0.79	3.5	7.0	10.5	14.0	3.1	6.3	9.4	12.6	2.9	5.7	8.6	11.4	2.6	5.2	7.9	10.5
	80	0.85	3.7	7.5	11.2	14.9	3.4	6.7	10.1	13.4	3.1	6.1	9.2	12.2	2.8	5.6	8.4	11.2
	90	0.90	4.0	7.9	11.9	15.8	3.6	7.1	10.7	14.3	3.2	6.5	9.7	13.0	3.0	5.9	8.9	11.9
08	20	0.57	2.5	5.0	7.5	10.0	2.2	4.5	6.7	9.0	2.0	4.1	6.1	8.1	1.9	3.7	5.6	7.5
	30	0.69	3.0	6.1	9.1	12.2	2.7	5.5	8.2	11.0	2.5	5.0	7.5	10.0	2.3	4.6	6.9	9.1
	40	0.80	3.5	7.0	10.6	14.1	3.2	6.3	9.5	12.7	2.9	5.8	8.6	11.5	2.6	5.3	7.9	10.6
	50	0.89	3.9	7.9	11.8	15.7	3.5	7.1	10.6	14.2	3.2	6.4	9.7	12.9	3.0	5.9	8.9	11.8
	60	0.98	4.3	8.6	12.9	17.2	3.9	7.8	11.6	15.5	3.5	7.1	10.6	14.1	3.2	6.5	9.7	12.9
	70	1.06	4.7	9.3	14.0	18.6	4.2	8.4	12.6	16.8	3.8	7.6	11.4	15.2	3.5	7.0	10.5	14.0
	80	1.13	5.0	10.0	14.9	19.9	4.5	9.0	13.4	17.9	4.1	8.1	12.2	16.3	3.7	7.5	11.2	14.9
	90	1.20	5.3	10.6	15.8	21.1	4.8	9.5	14.3	19.0	4.3	8.6	13.0	17.3	4.0	7.9	11.9	15.8
10	20	0.71	3.1	6.2	9.3	12.4	2.8	5.6	8.4	11.2	2.5	5.1	7.6	10.2	2.3	4.7	7.0	9.3
	30	0.87	3.8	7.6	11.4	15.2	3.4	6.9	10.3	13.7	3.1	6.2	9.4	12.5	2.9	5.7	8.6	11.4
	40	1.00	4.4	8.8	13.2	17.6	4.0	7.9	11.9	15.8	3.6	7.2	10.8	14.4	3.3	6.6	9.9	13.2
	50	1.12	4.9	9.8	14.8	19.7	4.4	8.9	13.3	17.7	4.0	8.0	12.1	16.1	3.7	7.4	11.1	14.8
	60	1.22	5.4	10.8	16.2	21.6	4.8	9.7	14.5	19.4	4.4	8.8	13.2	17.6	4.0	8.1	12.1	16.2
	70	1.32	5.8	11.6	17.5	23.3	5.2	10.5	15.7	21.0	4.8	9.5	14.3	19.0	4.4	8.7	13.1	17.5
	80	1.41	6.2	12.4	18.7	24.9	5.6	11.2	16.8	22.4	5.1	10.2	15.3	20.4	4.7	9.3	14.0	18.7
	90	1.50	6.6	13.2	19.8	26.4	5.9	11.9	17.8	23.8	5.4	10.8	16.2	21.6	5.0	9.9	14.9	19.8
15	20	1.06	4.7	9.3	14.0	18.7	4.2	8.4	12.6	16.8	3.8	7.6	11.5	15.3	3.5	7.0	10.5	14.0
	30	1.30	5.7	11.4	17.1	22.9	5.1	10.3	15.4	20.6	4.7	9.4	14.0	18.7	4.3	8.6	12.9	17.1
	40	1.50	6.6	13.2	19.8	26.4	5.9	11.9	17.8	23.8	5.4	10.8	16.2	21.6	5.0	9.9	14.9	19.8
	50	1.68	7.4	14.8	22.1	29.5	6.6	13.3	19.9	26.6	6.0	12.1	18.1	24.1	5.5	11.1	16.6	22.1
	60	1.84	8.1	16.2	24.2	32.3	7.3	14.5	21.8	29.1	6.6	13.2	19.8	26.5	6.1	12.1	18.2	24.2
	70	1.98	8.7	17.5	26.2	34.9	7.9	15.7	23.6	31.4	7.1	14.3	21.4	28.6	6.5	13.1	19.6	26.2
	80	2.12	9.3	18.7	28.0	37.3	8.4	16.8	25.2	33.6	7.6	15.3	22.9	30.5	7.0	14.0	21.0	28.0
	90	2.25	9.9	19.8	29.7	39.6	8.9	17.8	26.7	35.6	8.1	16.2	24.3	32.4	7.4	14.9	22.3	29.7
20	20	1.41	6.2	12.4	18.7	24.9	5.6	11.2	16.8	22.4	5.1	10.2	15.3	20.4	4.7	9.3	14.0	18.7
	30	1.73	7.6	15.2	22.9	30.5	6.9	13.7	20.6	27.4	6.2	12.5	18.7	24.9	5.7	11.4	17.1	22.9
	40	2.00	8.8	17.6	26.4	35.2	7.9	15.8	23.8	31.7	7.2	14.4	21.6	28.8	6.6	13.2	19.8	26.4
	50	2.24	9.8	19.7	29.5	39.4	8.9	17.7	26.6	35.4	8.0	16.1	24.1	32.2	7.4	14.8	22.1	29.5
	60	2.45	###	21.6	32.3	43.1	9.7	19.4	29.1	38.8	8.8	17.6	26.5	35.3	8.1	16.2	24.2	32.3
	70	2.65	###	23.3	34.9	46.6	###	21.0	31.4	41.9	9.5	19.0	28.6	38.1	8.7	17.5	26.2	34.9
	80	2.83	###	24.9	37.3	49.8	###	22.4	33.6	44.8	###	20.4	30.5	40.7	9.3	18.7	28.0	37.3
	90	3.00	###	26.4	39.6	52.8	###	23.8	35.6	47.5	###	21.6	32.4	43.2	9.9	19.8	29.7	39.6

Spray Tip	Pressure (PSI)	Flow Rate (GPM)	32.5 25%	32.5 50%	32.5 75%	32.5 100%	35 25%	35 50%	35 75%	35 100%	37.5 25%	37.5 50%	37.5 75%	37.5 100%	40 25%	40 50%	40 75%	40 100%
02	20	0.14	0.4	0.9	1.3	1.7	0.4	0.8	1.2	1.6	0.4	0.7	1.1	1.5	0.4	0.7	1.1	1.4
	30	0.17	0.5	1.1	1.6	2.1	0.5	1.0	1.5	2.0	0.5	0.9	1.4	1.8	0.4	0.9	1.3	1.7
	40	0.20	0.6	1.2	1.8	2.4	0.6	1.1	1.7	2.3	0.5	1.1	1.6	2.1	0.5	1.0	1.5	2.0
	50	0.22	0.7	1.4	2.0	2.7	0.6	1.3	1.9	2.5	0.6	1.2	1.8	2.4	0.6	1.1	1.7	2.2
	60	0.24	0.7	1.5	2.2	3.0	0.7	1.4	2.1	2.8	0.6	1.3	1.9	2.6	0.6	1.2	1.8	2.4
	70	0.26	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0	0.7	1.4	2.1	2.8	0.7	1.3	2.0	2.6
	80	0.28	0.9	1.7	2.6	3.4	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0	0.7	1.4	2.1	2.8
	90	0.30	0.9	1.8	2.7	3.7	0.8	1.7	2.5	3.4	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0
025	20	0.18	0.5	1.1	1.6	2.2	0.5	1.0	1.5	2.0	0.5	0.9	1.4	1.9	0.4	0.9	1.3	1.8
	30	0.22	0.7	1.3	2.0	2.6	0.6	1.2	1.8	2.4	0.6	1.1	1.7	2.3	0.5	1.1	1.6	2.1
	40	0.25	0.8	1.5	2.3	3.0	0.7	1.4	2.1	2.8	0.7	1.3	2.0	2.6	0.6	1.2	1.9	2.5
	50	0.28	0.9	1.7	2.6	3.4	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0	0.7	1.4	2.1	2.8
	60	0.31	0.9	1.9	2.8	3.7	0.9	1.7	2.6	3.5	0.8	1.6	2.4	3.2	0.8	1.5	2.3	3.0
	70	0.33	1.0	2.0	3.0	4.0	0.9	1.9	2.8	3.7	0.9	1.7	2.6	3.5	0.8	1.6	2.5	3.3
	80	0.35	1.1	2.2	3.2	4.3	1.0	2.0	3.0	4.0	0.9	1.9	2.8	3.7	0.9	1.8	2.6	3.5
	90	0.38	1.1	2.3	3.4	4.6	1.1	2.1	3.2	4.2	1.0	2.0	3.0	4.0	0.9	1.9	2.8	3.7
03	20	0.21	0.6	1.3	1.9	2.6	0.6	1.2	1.8	2.4	0.6	1.1	1.7	2.2	0.5	1.1	1.6	2.1
	30	0.26	0.8	1.6	2.4	3.2	0.7	1.5	2.2	2.9	0.7	1.4	2.1	2.7	0.6	1.3	1.9	2.6
	40	0.30	0.9	1.8	2.7	3.7	0.8	1.7	2.5	3.4	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0
	50	0.34	1.0	2.0	3.1	4.1	0.9	1.9	2.8	3.8	0.9	1.8	2.7	3.5	0.8	1.7	2.5	3.3
	60	0.37	1.1	2.2	3.4	4.5	1.0	2.1	3.1	4.2	1.0	1.9	2.9	3.9	0.9	1.8	2.7	3.6
	70	0.40	1.2	2.4	3.6	4.8	1.1	2.2	3.4	4.5	1.0	2.1	3.1	4.2	1.0	2.0	2.9	3.9
	80	0.42	1.3	2.6	3.9	5.2	1.2	2.4	3.6	4.8	1.1	2.2	3.4	4.5	1.1	2.1	3.2	4.2
	90	0.45	1.4	2.7	4.1	5.5	1.3	2.5	3.8	5.1	1.2	2.4	3.6	4.8	1.1	2.2	3.3	4.5
04	20	0.28	0.9	1.7	2.6	3.4	0.8	1.6	2.4	3.2	0.7	1.5	2.2	3.0	0.7	1.4	2.1	2.8
	30	0.35	1.1	2.1	3.2	4.2	1.0	2.0	2.9	3.9	0.9	1.8	2.7	3.7	0.9	1.7	2.6	3.4
	40	0.40	1.2	2.4	3.7	4.9	1.1	2.3	3.4	4.5	1.1	2.1	3.2	4.2	1.0	2.0	3.0	4.0
	50	0.45	1.4	2.7	4.1	5.4	1.3	2.5	3.8	5.1	1.2	2.4	3.5	4.7	1.1	2.2	3.3	4.4
	60	0.49	1.5	3.0	4.5	6.0	1.4	2.8	4.2	5.5	1.3	2.6	3.9	5.2	1.2	2.4	3.6	4.8
	70	0.53	1.6	3.2	4.8	6.4	1.5	3.0	4.5	6.0	1.4	2.8	4.2	5.6	1.3	2.6	3.9	5.2
	80	0.57	1.7	3.4	5.2	6.9	1.6	3.2	4.8	6.4	1.5	3.0	4.5	6.0	1.4	2.8	4.2	5.6
	90	0.60	1.8	3.7	5.5	7.3	1.7	3.4	5.1	6.8	1.6	3.2	4.8	6.3	1.5	3.0	4.5	5.9
05	20	0.35	1.1	2.2	3.2	4.3	1.0	2.0	3.0	4.0	0.9	1.9	2.8	3.7	0.9	1.8	2.6	3.5
	30	0.43	1.3	2.6	4.0	5.3	1.2	2.4	3.7	4.9	1.1	2.3	3.4	4.6	1.1	2.1	3.2	4.3
	40	0.50	1.5	3.0	4.6	6.1	1.4	2.8	4.2	5.7	1.3	2.6	4.0	5.3	1.2	2.5	3.7	5.0
	50	0.56	1.7	3.4	5.1	6.8	1.6	3.2	4.7	6.3	1.5	3.0	4.4	5.9	1.4	2.8	4.2	5.5
	60	0.61	1.9	3.7	5.6	7.5	1.7	3.5	5.2	6.9	1.6	3.2	4.8	6.5	1.5	3.0	4.5	6.1
	70	0.66	2.0	4.0	6.0	8.1	1.9	3.7	5.6	7.5	1.7	3.5	5.2	7.0	1.6	3.3	4.9	6.5
	80	0.71	2.2	4.3	6.5	8.6	2.0	4.0	6.0	8.0	1.9	3.7	5.6	7.5	1.8	3.5	5.3	7.0
	90	0.75	2.3	4.6	6.9	9.1	2.1	4.2	6.4	8.5	2.0	4.0	5.9	7.9	1.9	3.7	5.6	7.4
06	20	0.42	1.3	2.6	3.9	5.2	1.2	2.4	3.6	4.8	1.1	2.2	3.4	4.5	1.1	2.1	3.2	4.2
	30	0.52	1.6	3.2	4.7	6.3	1.5	2.9	4.4	5.9	1.4	2.7	4.1	5.5	1.3	2.6	3.9	5.1
	40	0.60	1.8	3.7	5.5	7.3	1.7	3.4	5.1	6.8	1.6	3.2	4.8	6.3	1.5	3.0	4.5	5.9
	50	0.67	2.0	4.1	6.1	8.2	1.9	3.8	5.7	7.6	1.8	3.5	5.3	7.1	1.7	3.3	5.0	6.6
	60	0.73	2.2	4.5	6.7	9.0	2.1	4.2	6.2	8.3	1.9	3.9	5.8	7.8	1.8	3.6	5.5	7.3
	70	0.79	2.4	4.8	7.3	9.7	2.2	4.5	6.7	9.0	2.1	4.2	6.3	8.4	2.0	3.9	5.9	7.9
	80	0.85	2.6	5.2	7.8	10.3	2.4	4.8	7.2	9.6	2.2	4.5	6.7	9.0	2.1	4.2	6.3	8.4
	90	0.90	2.7	5.5	8.2	11.0	2.5	5.1	7.6	10.2	2.4	4.8	7.1	9.5	2.2	4.5	6.7	8.9
08	20	0.57	1.7	3.4	5.2	6.9	1.6	3.2	4.8	6.4	1.5	3.0	4.5	6.0	1.4	2.8	4.2	5.6
	30	0.69	2.1	4.2	6.3	8.4	2.0	3.9	5.9	7.8	1.8	3.7	5.5	7.3	1.7	3.4	5.1	6.9
	40	0.80	2.4	4.9	7.3	9.7	2.3	4.5	6.8	9.1	2.1	4.2	6.3	8.4	2.0	4.0	5.9	7.9
	50	0.89	2.7	5.4	8.2	10.9	2.5	5.1	7.6	10.1	2.4	4.7	7.1	9.4	2.2	4.4	6.6	8.9
	60	0.98	3.0	6.0	9.0	11.9	2.8	5.5	8.3	11.1	2.6	5.2	7.8	10.3	2.4	4.8	7.3	9.7
	70	1.06	3.2	6.4	9.7	12.9	3.0	6.0	9.0	12.0	2.8	5.6	8.4	11.2	2.6	5.2	7.9	10.5
	80	1.13	3.4	6.9	10.3	13.8	3.2	6.4	9.6	12.8	3.0	6.0	9.0	11.9	2.8	5.6	8.4	11.2
	90	1.20	3.7	7.3	11.0	14.6	3.4	6.8	10.2	13.6	3.2	6.3	9.5	12.7	3.0	5.9	8.9	11.9
10	20	0.71	2.2	4.3	6.5	8.6	2.0	4.0	6.0	8.0	1.9	3.7	5.6	7.5	1.8	3.5	5.3	7.0
	30	0.87	2.6	5.3	7.9	10.6	2.4	4.9	7.3	9.8	2.3	4.6	6.9	9.1	2.1	4.3	6.4	8.6
	40	1.00	3.0	6.1	9.1	12.2	2.8	5.7	8.5	11.3	2.6	5.3	7.9	10.6	2.5	5.0	7.4	9.9
	50	1.12	3.4	6.8	10.2	13.6	3.2	6.3	9.5	12.6	3.0	5.9	8.9	11.8	2.8	5.5	8.3	11.1
	60	1.22	3.7	7.5	11.2	14.9	3.5	6.9	10.4	13.9	3.2	6.5	9.7	12.9	3.0	6.1	9.1	12.1
	70	1.32	4.0	8.1	12.1	16.1	3.7	7.5	11.2	15.0	3.5	7.0	10.5	14.0	3.3	6.5	9.8	13.1
	80	1.41	4.3	8.6	12.9	17.2	4.0	8.0	12.0	16.0	3.7	7.5	11.2	14.9	3.5	7.0	10.5	14.0
	90	1.50	4.6	9.1	13.7	18.3	4.2	8.5	12.7	17.0	4.0	7.9	11.9	15.8	3.7	7.4	11.1	14.9
15	20	1.06	3.2	6.5	9.7	12.9	3.0	6.0	9.0	12.0	2.8	5.6	8.4	11.2	2.6	5.3	7.9	10.5
	30	1.30	4.0	7.9	11.9	15.8	3.7	7.3	11.0	14.7	3.4	6.9	10.3	13.7	3.2	6.4	9.6	12.9
	40	1.50	4.6	9.1	13.7	18.3	4.2	8.5	12.7	17.0	4.0	7.9	11.9	15.8	3.7	7.4	11.1	14.9
	50	1.68	5.1	10.2	15.3	20.4	4.7	9.5	14.2	19.0	4.4	8.9	13.3	17.7	4.2	8.3	12.5	16.6
	60	1.84	5.6	11.2	16.8	22.4	5.2	10.4	15.6	20.8	4.8	9.7	14.5	19.4	4.5	9.1	13.6	18.2
	70	1.98	6.0	12.1	18.1	24.2	5.6	11.2	16.8	22.5	5.2	10.5	15.7	21.0	4.9	9.8	14.7	19.6
	80	2.12	6.5	12.9	19.4	25.8	6.0	12.0	18.0	24.0	5.6	11.2	16.8	22.4	5.3	10.5	15.8	21.0
	90	2.25	6.9	13.7	20.6	27.4	6.4	12.7	19.1	25.5	5.9	11.9	17.8	23.8	5.6	11.1	16.7	22.3
20	20	1.41	4.3	8.6	12.9	17.2	4.0	8.0	12.0	16.0	3.7	7.5	11.2	14.9	3.5	7.0	10.5	14.0
	30	1.73	5.3	10.6	15.8	21.1	4.9	9.8	14.7	19.6	4.6	9.1	13.7	18.3	4.3	8.6	12.9	17.1
	40	2.00	6.1	12.2	18.3	24.4	5.7	11.3	17.0	22.6	5.3	10.6	15.8	21.1	5.0	9.9	14.9	19.8
	50	2.24	6.8	13.6	20.4	27.2	6.3	12.6	19.0	25.3	5.9	11.8	17.7	23.6	5.5	11.1	16.6	22.1
	60	2.45	7.5	14.9	22.4	29.8	6.9	13.9	20.8	27.7	6.5	12.9	19.4	25.9	6.1	12.1	18.2	24.2
	70	2.65	8.1	16.1	24.2	32.2	7.5	15.0	22.5	29.9	7.0	14.0	21.0	27.9	6.5	13.1	19.6	26.2
	80	2.83	8.6	17.2	25.8	34.5	8.0	16.0	24.0	32.0	7.5	14.9	22.4	29.9	7.0	14.0	21.0	28.0
	90	3.00	9.1	18.3	27.4	36.6	8.5	17.0	25.5	33.9	7.9	15.8	23.8	31.7	7.4	14.9	22.3	29.7