

Non Air Induction PWM Compatible Nozzle Selection Chart 20" Spacing by usg/ac

ISO Nozzle Size	Flow gpm	Non Air Induction										psi	Speed in MPH 20" Nozzle Spacing														
													U.S. Gallons Per Acre														
		ADI	VPC	VP	LD80	HLDC	3D	GRD	LD110	LDC	TFLD		4	5	6	7.5	9	10	11	12.5	14	15	18	20	25		
0.1 Orange	0.07	NR	F			M		C		F		20	5.3	4.2	3.5	2.8	2.3	2.1	1.9	1.7	1.5	1.4	1.2	1.1	0.8		
	0.09	M	F			M		C		F		30	6.5	5.2	4.3	3.4	2.9	2.6	2.3	2.1	1.8	1.7	1.4	1.3	1.0		
	0.1	M	F			F		M		F		40	7.4	5.9	5.0	4.0	3.3	3.0	2.7	2.4	2.1	2.0	1.7	1.5	1.2		
	0.11	F	F			F		M		F		50	8.2	6.5	5.4	4.4	3.6	3.3	3.0	2.6	2.3	2.2	1.8	1.6	1.3		
	0.12	F	F			F		M		F		60	8.9	7.1	5.9	4.8	4.0	3.6	3.2	2.9	2.5	2.4	2.0	1.8	1.4		
	0.13	F	NR			F		M		VF		70	9.8	7.8	6.5	5.2	4.4	3.9	3.6	3.1	2.8	2.6	2.2	2.0	1.6		
	0.14	NR	NR			F		M		VF		80	10.5	8.4	7.0	5.6	4.7	4.2	3.8	3.4	3.0	2.8	2.3	2.1	1.7		
0.15	NR	NR			F		M		VF		90	11.1	8.9	7.4	5.9	5.0	4.5	4.1	3.6	3.2	3.0	2.5	2.2	1.8			
0.15 Green	0.11	NR	F	NR	M	M	M	M	M	F		20	8.2	6.5	5.4	4.4	3.6	3.3	3.0	2.6	2.3	2.2	1.8	1.6	1.3		
	0.13	M	F	F	M	M	F	M	M	F		30	9.7	7.7	6.4	5.1	4.3	3.9	3.5	3.1	2.8	2.6	2.1	1.9	1.5		
	0.15	M	F	F	M	M	F	M	M	F		40	11.1	8.9	7.4	5.9	5.0	4.5	4.1	3.6	3.2	3.0	2.5	2.2	1.8		
	0.17	M	F	F	M	M	F	M	M	F		50	12.6	10.1	8.4	6.7	5.6	5.0	4.6	4.0	3.6	3.4	2.8	2.5	2.0		
	0.18	M	F	F	M	M	F	M	M	F		60	13.4	10.7	8.9	7.1	5.9	5.3	4.9	4.3	3.8	3.6	3.0	2.7	2.1		
	0.2	M	F	VF	M	F	F	M	F	F		70	14.9	11.9	9.9	7.9	6.6	5.9	5.4	4.8	4.2	4.0	3.3	3.0	2.4		
	0.21	NR	NR	NR	NR	F	F	M	NR	VF		80	15.6	12.5	10.4	8.3	6.9	6.2	5.7	5.0	4.5	4.2	3.5	3.1	2.5		
0.23	NR	NR	NR	NR	F	M	NR	VF			90	17.1	13.7	11.4	9.1	7.6	6.8	6.2	5.5	4.9	4.6	3.8	3.4	2.7			
0.2 Yellow	0.14	NR	F	NR	C	C	M	M	M	M	XC	20	10.4	8.3	6.9	5.5	4.6	4.2	3.8	3.3	3.0	2.8	2.3	2.1	1.7		
	0.17	C	F	F	C	M	M	M	M	M	XC	30	12.6	10.1	8.4	6.7	5.6	5.0	4.6	4.0	3.6	3.4	2.8	2.5	2.0		
	0.2	M	F	F	M	M	F	M	F	F	VC	40	14.9	11.9	9.9	7.9	6.6	5.9	5.4	4.8	4.2	4.0	3.3	3.0	2.4		
	0.22	M	F	F	M	M	F	M	F	F	VC	50	16.3	13.1	10.9	8.7	7.3	6.5	5.9	5.2	4.7	4.4	3.6	3.3	2.6		
	0.24	M	F	F	M	M	F	M	F	F	C	60	17.8	14.3	11.9	9.5	7.9	7.1	6.5	5.7	5.1	4.8	4.0	3.6	2.9		
	0.26	M	F	F	M	M	F	M	F	F	C	70	19.3	15.4	12.9	10.3	8.6	7.7	7.0	6.2	5.5	5.1	4.3	3.9	3.1		
	0.28	NR	NR	NR	NR	F	F	M	NR	F	C	80	20.8	16.6	13.9	11.1	9.2	8.3	7.6	6.7	5.9	5.5	4.6	4.2	3.3		
0.3	NR	NR	NR	NR	F	M	NR	VF	C		90	22.3	17.8	14.9	11.9	9.9	8.9	8.1	7.1	6.4	5.9	5.0	4.5	3.6			
0.25 Violet	0.18		F	M			M	M	M	M	XC	20	13.4	10.7	8.9	7.1	5.9	5.3	4.9	4.3	3.8	3.6	3.0	2.7	2.1		
	0.22		F	F			M	M	M	M	XC	30	16.3	13.1	10.9	8.7	7.3	6.5	5.9	5.2	4.7	4.4	3.6	3.3	2.6		
	0.25		F	F			M	M	M	M	VC	40	18.6	14.9	12.4	9.9	8.3	7.4	6.8	5.9	5.3	5.0	4.1	3.7	3.0		
	0.28		F	F			F	M	M	M	VC	50	20.8	16.6	13.9	11.1	9.2	8.3	7.6	6.7	5.9	5.5	4.6	4.2	3.3		
	0.31		F	F			F	M	M	M	C	60	23.0	18.4	15.3	12.3	10.2	9.2	8.4	7.4	6.6	6.1	5.1	4.6	3.7		
	0.33		F	F			F	M	M	M	C	70	24.5	19.6	16.3	13.1	10.9	9.8	8.9	7.8	7.0	6.5	5.4	4.9	3.9		
	0.35		NR	NR			F	M	NR	M	C	80	26.0	20.8	17.3	13.9	11.6	10.4	9.5	8.3	7.4	6.9	5.8	5.2	4.2		
0.38		NR	NR			F	M	NR	VF	C	90	28.2	22.6	18.8	15.0	12.5	11.3	10.3	9.0	8.1	7.5	6.3	5.6	4.5			
0.3 Blue	0.21	NR	M	M	C	C	C	C	C	C	UC	20	15.6	12.5	10.4	8.3	6.9	6.2	5.7	5.0	4.5	4.2	3.5	3.1	2.5		
	0.26	C	F	F	C	C	M	M	M	C	XC	30	19.3	15.4	12.9	10.3	8.6	7.7	7.0	6.2	5.5	5.1	4.3	3.9	3.1		
	0.3	M	F	F	C	M	M	M	M	M	VC	40	22.3	17.8	14.9	11.9	9.9	8.9	8.1	7.1	6.4	5.9	5.0	4.5	3.6		
	0.34	M	F	F	M	M	M	M	M	M	VC	50	25.2	20.2	16.8	13.5	11.2	10.1	9.2	8.1	7.2	6.7	5.6	5.0	4.0		
	0.37	M	F	F	M	M	M	M	M	M	VC	60	27.5	22.0	18.3	14.7	12.2	11.0	10.0	8.8	7.8	7.3	6.1	5.5	4.4		
	0.4	M	F	F	M	M	M	M	M	M	VC	70	29.7	23.8	19.8	15.8	13.2	11.9	10.8	9.5	8.5	7.9	6.6	5.9	4.8		
	0.42	NR	NR	NR	NR	M	F	M	NR	M	VC	80	31.2	24.9	20.8	16.6	13.9	12.5	11.3	10.0	8.9	8.3	6.9	6.2	5.0		
0.45	NR	NR	NR	NR	F	M	NR	VF	VC		90	33.4	26.7	22.3	17.8	14.9	13.4	12.2	10.7	9.5	8.9	7.4	6.7	5.3			
0.35 Cranberry	0.25						C					20	18.6	14.9	12.4	9.9	8.3	7.4	6.8	5.9	5.3	5.0	4.1	3.7	3.0		
	0.3						M					30	22.3	17.8	14.9	11.9	9.9	8.9	8.1	7.1	6.4	5.9	5.0	4.5	3.6		
	0.35						M					40	26.0	20.8	17.3	13.9	11.6	10.4	9.5	8.3	7.4	6.9	5.8	5.2	4.2		
	0.39						M					50	29.0	23.2	19.3	15.4	12.9	11.6	10.5	9.3	8.3	7.7	6.4	5.8	4.6		
	0.43						M					60	31.9	25.5	21.3	17.0	14.2	12.8	11.6	10.2	9.1	8.5	7.1	6.4	5.1		
	0.46						M					70	34.2	27.3	22.8	18.2	15.2	13.7	12.4	10.9	9.8	9.1	7.6	6.8	5.5		
	0.49						F					80	36.4	29.1	24.3	19.4	16.2	14.6	13.2	11.6	10.4	9.7	8.1	7.3	5.8		
0.53						F					90	39.4	31.5	26.2	21.0	17.5	15.7	14.3	12.6	11.2	10.5	8.7	7.9	6.3			
0.4 Red	0.28	NR	M	M	C	C	C	VC	C	C	UC	20	20.8	16.6	13.9	11.1	9.2	8.3	7.6	6.7	5.9	5.5	4.6	4.2	3.3		
	0.35	VC	M	M	C	C	M	VC	M	C	XC	30	26.0	20.8	17.3	13.9	11.6	10.4	9.5	8.3	7.4	6.9	5.8	5.2	4.2		
	0.4	C	M	F	C	C	M	C	M	C	XC	40	29.7	23.8	19.8	15.8	13.2	11.9	10.8	9.5	8.5	7.9	6.6	5.9	4.8		
	0.45	C	F	F	M	C	M	C	M	C	XC	50	33.4	26.7	22.3	17.8	14.9	13.4	12.2	10.7	9.5	8.9	7.4	6.7	5.3		
	0.49	C	F	F	M	M	M	C	M	C	XC	60	36.4	29.1	24.3	19.4	16.2	14.6	13.2	11.6	10.4	9.7	8.1	7.3	5.8		
	0.53	M	F	F	M	M	M	M	C	VC		70	39.4	31.5	26.2	21.0	17.5	15.7	14.3	12.6	11.2	10.5	8.7	7.9	6.3		
	0.57	NR	NR	NR	NR	M	M	M	NR	C	VC	80	42.3	33.9	28.2	22.6	18.8	16.9	15.4	13.5	12.1	11.3	9.4	8.5	6.8		
0.6	NR	NR	NR	NR	F	M	NR	C	VC		90	45.2	35.6	29.7	23.8	19.8	17.8	16.2	14.3	12.7	11.9	9.9	8.9	7.1			
0.5 Brown	0.35		M	C	C		C	XC	C	C	XC	20	26.0	20.8	17.3	13.9	11.6	10.4	9.5	8.3	7.4	6.9	5.8	5.2	4.2		
	0.43		M	C	C		C	XC	C	C	XC	30	31.9	25.5	21.3	17.0	14.2	12.8	11.6	10.2	9.1	8.5					

Non Air Induction PWM Compatible Nozzle Selection Chart 20" Spacing by MPH

Spray Tip Size	Non Air Induction Droplet Size										Flow Rate In USG/AC										
	ADI	VPC	VP	LD80	HLDC	3D	GRD	LD110	LDC	TFLD	psi	gpm	Speed in MPH								
	4 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph			4 mph	6 mph	8 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph	
01 Orange	NR	F			M		C		F		20	0.071	4.5	3	2.6	2.1	1.8	1.5	1.3	1.2	1.1
	M	F			M		C		F		30	0.087	6.5	4.3	3.2	2.6	2.2	1.8	1.6	1.4	1.3
	M	F			F		M		F		40	0.1	7.4	5	3.7	3	2.5	2.1	1.9	1.7	1.5
	F	F			F		M		F		50	0.11	8.2	5.4	4.1	3.3	2.7	2.3	2	1.8	1.6
	F	F			F		M		F		60	0.12	8.9	5.9	4.5	3.6	3	2.5	2.2	2	1.8
	F	NR			F		M		VF		70	0.132	9.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	NR	NR			F		M		VF		80	0.141	10.4	6.9	5.2	4.2	3.5	3	2.6	2.3	2.1
NR	NR			F		M		VF		90	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
015 Green	NR	F	NR	M	M	M	M	M	F		20	0.11	8.2	5.4	4.1	3.3	2.7	2.3	2	1.8	1.6
	M	F	F	M	M	F	M	M	F		30	0.13	9.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9
	M	F	F	M	F	F	M	M	F		40	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
	M	F	F	M	F	F	M	M	F		50	0.17	12.6	8.4	6.3	5	4.2	3.6	3.2	2.8	2.5
	M	F	F	M	F	F	M	M	F		60	0.18	13.4	8.9	6.7	5.3	4.5	3.8	3.3	3	2.7
	M	F	VF	M	F	F	M	M	F		70	0.2	14.9	9.9	7.4	5.9	5	4.2	3.7	3.3	3
	NR	NR	NR	NR	F	F	M	NR	VF		80	0.21	15.6	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1
NR	NR	NR	NR	F	M	NR	VF		90	0.23	17.1	11.4	8.5	6.8	5.7	4.9	4.3	3.8	3.4		
02 Yellow	NR	F	NR	C	C	M	M	M	M	XC	20	0.14	10.4	6.9	5.2	4.2	3.5	3	2.6	2.3	2.1
	C	F	F	C	M	M	M	M	M	XC	30	0.17	12.6	8.4	6.3	5	4.2	3.6	3.2	2.8	2.5
	M	F	F	M	M	F	M	F	F	VC	40	0.2	14.9	9.9	7.4	5.9	5	4.2	3.7	3.3	3
	M	F	F	M	M	F	M	F	F	VC	50	0.22	16.3	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3
	M	F	F	M	M	F	M	F	F	C	60	0.24	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4	3.6
	M	F	F	M	M	F	M	F	F	C	70	0.26	19.3	12.9	9.7	7.7	6.4	5.5	4.8	4.3	3.9
	NR	NR	NR	NR	F	F	M	NR	F	C	80	0.28	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
NR	NR	NR	NR	F	M	NR	VF	C	90	0.3	22	14.9	11.1	8.9	7.4	6.4	5.6	5	4.5		
025 Violet	F	M			M	M	M	M	XC	20	0.18	13.4	8.9	6.5	5.2	4.3	3.7	3.2	2.9	2.6	
	F	M			M	M	M	M	XC	30	0.22	16.3	10.9	8.2	6.5	5.4	4.7	4.1	3.6	3.3	
	F	F			M	M	M	M	VC	40	0.25	18.6	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7	
	F	F			F	M	M	M	VC	50	0.28	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	
	F	F			F	M	M	M	C	60	0.31	23	15.3	11.5	9.2	7.7	6.6	5.8	5.1	4.6	
	F	F			F	M	M	M	C	70	0.33	25	16.3	12.3	9.8	8.2	7	6.1	5.5	4.9	
	NR	NR			F	M	NR	M	C	80	0.35	26	17.3	13.1	10.5	8.8	7.5	6.6	5.8	5.3	
NR	NR			F	M	NR	VF	C	90	0.38	28	18.8	14.1	11.3	9.4	8.1	7.1	6.3	5.6		
03 Blue	NR	M	M	C	C	C	C	C	UC	20	0.21	15.6	10.4	7.8	6.2	5.2	4.5	3.9	3.5	3.1	
	C	F	F	C	C	M	M	M	C	XC	30	0.26	19.3	12.9	9.7	7.7	6.4	5.5	4.8	4.3	3.9
	M	F	F	C	M	M	M	M	M	XC	40	0.3	22	14.9	11.1	8.9	7.4	6.4	5.6	5	4.5
	M	F	F	M	M	M	M	M	M	VC	50	0.34	25	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5
	M	F	F	M	M	M	M	M	M	VC	60	0.37	27	18.3	13.7	11	9.2	7.8	6.9	6.1	5.5
	M	F	F	M	M	M	M	M	M	VC	70	0.4	30	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	NR	NR	NR	NR	M	F	M	NR	M	VC	80	0.42	31	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
NR	NR	NR	NR	F	M	NR	M	VC	90	0.45	33	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7		
035 Cranberry					M						20	0.25	18.6	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7
					M						30	0.3	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5	4.5
					M						40	0.35	26	17.3	13	10.4	8.7	7.4	6.5	5.8	5.2
					M						50	0.39	29	19.3	14.5	11.6	9.7	8.3	7.2	6.4	5.8
					M						60	0.43	31.9	21.3	16	12.8	10.6	9.1	8	7.1	6.4
					M						70	0.46	34.2	22.8	17.1	13.7	11.4	9.8	8.5	7.6	6.8
					F						80	0.49	36.4	24.3	18.2	14.6	12.1	10.4	9	8	7.1
				F						90	0.53	39.4	26.2	19.7	15.7	13.1	11.2	9.8	8.7	7.9	
04 Red	NR	M	M	C	C	C	VC	C	C	UC	20	0.28	21	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2
	VC	M	M	C	C	M	VC	M	C	XC	30	0.35	26	17.3	13	10.4	8.7	7.4	6.5	5.8	5.2
	C	M	F	C	C	M	C	M	C	XC	40	0.4	30	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9
	C	F	F	M	C	M	C	M	C	XC	50	0.45	33	22	16.7	13.4	11.1	9.5	8.4	7.4	6.7
	C	F	F	M	M	M	C	M	C	XC	60	0.49	36	24	18.2	14.6	12.1	10.4	9.1	8.1	7.3
	M	F	F	M	M	M	M	C	VC	70	0.53	39	26	19.7	15.7	13.1	11.2	9.8	8.7	7.9	
	NR	NR	NR	NR	M	M	M	NR	C	VC	80	0.57	42	28	21	16.9	14.1	12.1	10.6	9.4	8.5
NR	NR	NR	NR	F	M	NR	C	VC	90	0.6	45	30	22	17.8	14.9	12.7	11.1	9.9	8.9		
05 Brown	M	C	C		C	XC	C	C	XC		20	0.35	26	17.3	13	10.4	8.7	7.4	6.5	5.8	5.2
	M	M	C		C	XC	C	C	XC	30	0.43	32	21	16	12.8	10.6	9.1	8	7.1	6.4	
	M	M	C		M	VC	M	C	XC	40	0.5	37	25	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
	M	F	C		M	VC	M	C	VC	50	0.56	42	28	21	16.6	13.9	11.9	10.4	9.2	8.3	
	M	F	C		M	C	M	C	VC	60	0.61	45	30	23	18.1	15.1	12.9	11.3	10.1	9.1	
	M	F	M		M	M	F	C	VC	70	0.66	49	33	25	19.6	16.3	14	12.3	10.9	9.8	
	M	NR	NR		M	M	NR	C	VC	80	0.71	53	35	26	21	17.6	15.1	13.2	11.7	10.5	
M	NR	NR		M	M	NR	C	VC	90	0.75	56	37	28	22	18.6	15.9	13.9	12.4	11.1		
06 Grey	NR	C	M	VC		C	XC	VC	VC		20	0.42	31	21	15.6	12.5	10.4	8.9	7.8	6.9	6.2
	NR	C	M	VC		C	XC	C	C		30	0.52	39	26	19.3	15.4	12.9	11	9.7	8.6	7.7
	M	M	C		C	VC	M	C		40	0.6	45	30	22	17.8	14.9	12.7	11.1	9.9	8.9	
	M	M	C		M	VC	M	C		50	0.67	50	33	25	19.9	16.6	14.2	12.4	11.1	9.9	
	M	M	C		M	C	M	C		60	0.73	54	36	27	22	18.1	15.5	13.6	12	10.8	
	M	F	C		M	M	M	C		70	0.79	59	39	29	23	19.6	16.8	14.7	13	11.7	
	NR	NR	NR		M	M	NR	C		80	0.85	63	42	32	25	21	18	15.8	14	12.6	
NR	NR	NR		M	M	NR	C		90	0.9	67	45	33	27	22	19.1	16.7	14.9	13.4		
08 White	C	M	XC		VC	XC	VC				20	0.57	42	28	21	16.9	14.1	12.1	10.6	9.4	8.5
	C	M	VC		C	VC	C				30	0.69	51	34	26	20	17.1	14.6	12.8	11.4	10.2
	C	M	VC		C	C	C				40	0.8	59	40	30	24	19.8	17	14.9	13.2	11.9
	C	M	C		M	M	M				50	0.89	66	44	33	26	22	18.9	16.5	14.7	13.2
	C	M	C		M	M	M				60	0.98	73	49	36	29	24	21	18.2	16.2	14.6
	M	F	C		M	M	M				70	1.05	79	52	39	31	26	22	19.5	17.3	15.6
	NR	NR	NR		M	M	NR				80	1.13	84	56	42	34	28	24	21	18.6	16.8
1.0 Light Blue	C										20	0.57	42	28	21	16.9	14.1	12.1	10.6	9.4	8.5
	M										30	0.69	51	34	26	20					