

NEW LOW
DRIFT RANGE



STS-80



Worldwide proven technology
Up to 75% drift control
Compatible with all current systems

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STS-80 Narrow Angle Range of Low Drift Nozzles

An 80° Air Inclusion Nozzle for use where nozzle body centres are at 25cm or 33cm spacing. This allows for a lower boom height to be maintained to achieve the double overlap required for even application, and this lower boom height also results in less drift.

A narrow angle spray nozzle produces fewer fine droplets at the edge of the spray pattern, compared to a 110° fan pattern. Thus 80° nozzles produce less drift than 110° nozzles, so by combining this with a lower boom height and air inclusion results in extremely low levels of drift, which all operators need to strive for.

Currently available in three sizes to apply from 70 litres per ha to 260 litres per ha at a 12 kph (25cm spacing), and between 52 litres per ha and 196 litres per ha at 12 kph (33.3 cm spacing)

STS-80 Nozzle Application Chart

				Litres per Hectare applied at 25cm Nozzle Spacing								
Nozzle	Pressure	Flow	Spray Quality	Speed Kph								
				4	6	8	10	12	14	16	18	20
015 Green	Bar	L/Min										
	1	0.35	M	208	139	104	83	69	59	52	46	42
	2	0.49	M	294	196	147	118	98	84	73	65	59
	3	0.60	M	360	240	180	144	120	103	90	80	72
	4	0.69	M	416	277	208	166	139	119	104	92	83
				465	310	232	186	155	133	116	103	93
				Speed Kph								
02 Yellow	Bar	L/Min	Spray Quality	4	6	8	10	12	14	16	18	20
	1	0.46	C	277	185	139	111	92	79	69	62	55
	2	0.65	C	392	261	196	157	131	112	98	87	78
	3	0.80	M	480	320	240	192	160	137	120	107	96
	4	0.92	M	554	370	277	222	185	158	139	123	111
				620	413	310	248	207	177	155	138	124
				Speed Kph								
025 Lilac	Bar	L/Min	Spray Quality	4	6	8	10	12	14	16	18	20
	1	0.58	VC	346	231	173	139	115	99	87	77	69
	2	0.82	C	490	327	245	196	163	140	122	109	98
	3	1.00	M	600	400	300	240	200	171	150	133	120
	4	1.15	M	693	462	346	277	231	198	173	154	139
				775	516	387	310	258	221	194	172	155

				Litres per Hectare applied at 33.3cm Nozzle Spacing								
Nozzle	Pressure	Flow	Spray Quality	Speed Kph								
				4	6	8	10	12	14	16	18	20
015 Green	Bar	L/Min										
	1	0.35	M	157	105	79	63	52	45	39	35	31
	2	0.49	M	223	148	111	89	74	64	56	49	45
	3	0.60	M	273	182	136	109	91	78	68	61	55
	4	0.69	M	315	210	157	126	105	90	79	70	63
				352	235	176	141	117	101	88	78	70
				Speed Kph								
02 Yellow	Bar	L/Min	Spray Quality	4	6	8	10	12	14	16	18	20
	1	0.46	C	210	140	105	84	70	60	52	47	42
	2	0.65	C	297	198	148	119	99	85	74	66	59
	3	0.80	M	364	242	182	145	121	104	91	81	73
	4	0.92	M	420	280	210	168	140	120	105	93	84
				469	313	235	188	156	134	117	104	94
				Speed Kph								
025 Lilac	Bar	L/Min	Spray Quality	4	6	8	10	12	14	16	18	20
	1	0.58	VC	262	175	131	105	87	75	66	58	52
	2	0.82	C	371	247	186	148	124	106	93	82	74
	3	1.00	M	455	303	227	182	152	130	114	101	91
	4	1.15	M	525	350	262	210	175	150	131	117	105
				587	391	293	235	196	168	147	130	117

Spray Quality: M = Medium, C = Coarse, VC = Very Coarse