

NEW



5 Star Plus



A true variable rate liquid fertiliser
nozzle for flow based controllers

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New Bfs FiveStar Plus

368 litres/hectare of 30N at 2.5 bar pressure and 12 KPH
700mm boom operating height

One nozzle covers the same output as 3 standard, non-variable, nozzle sizes
Fits all standard nozzle bodies and any boom configuration

		Bfs 5 Star Plus - Application Chart (using water)																
Nozzle	Pressure (Bar)	Flow Rate (Litres/Min*)	Speed KPH															
			6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
5 Star Plus	0.75	0.94	187	161	141	125	112	102	94	86	80	75	70	66	62	59	56	
	1	1.22	244	209	183	163	147	133	122	113	105	98	92	86	81	77	73	
	1.5	2.34	467	401	351	312	280	255	234	216	200	187	175	165	156	148	140	
	2	3.35	670	574	502	446	402	365	335	309	287	268	251	236	223	211	201	
	2.5	4.20	840	720	630	560	504	458	420	388	360	336	315	297	280	265	252	

*Flow rates calculated using water

To achieve the same flow rate using 30N (S.G 1.3) liquid fertiliser use the following formula:-			(not required if the rate controller allows input of the fertiliser SG - Specific Gravity The flow rates for this nozzle at 2 Bar=3.35, and 3 Bar = 5.00 litres/minute)
For Example:	Application rate 200 litres/ha	Square root of Specific Gravity ($\sqrt{1.3} = 1.14$)	= 228 litres/ha (to input into the rate controller)

Example calculated for Liquid Fertiliser 30N with an SG of 1.3																		
Nozzle	Pressure (Bar)	Flow Rate (Litres/Min)	Speed KPH															
			6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
5 Star Plus	0.75	0.82	164	141	123	110	99	90	82	76	70	66	62	58	55	52	49	
	1	1.07	214	184	161	143	129	117	107	99	92	86	80	76	71	68	64	
	1.5	2.05	410	351	308	273	246	224	205	189	176	164	154	145	137	129	123	
	2	2.94	587	503	440	392	352	320	294	271	252	235	220	207	196	185	176	
	2.5	3.68	737	632	553	491	442	402	368	340	316	295	276	260	246	233	221	

30N SG 1.3	Bfs 5 Star Plus - Application Range - (1.0 to 2.5 Bar Pressure)																Rates shown in orange at 0.75 bar pressure, are not advised by Bfs, as the spray pattern changes	
Litres per Hectare	Speed KPH																	
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20			
60																		
80																		
100																		
140																		
180																		
200																		
240																		
280																		
300																		
350																		
400																		
450																		
500																		

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