5 Star (Black) - Application Chart (Water)

Nozzle	Pressure (Bar)	Flow Rate (Litres/Min)*	Speed KPH																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
			Application Rate in Litres per Hectare (Boom height 500 mm and Nozzle Spacing 500 mm)																
5 Star	1.25	0.75	225	180	150	129	113	100	90	82	75	69	64	60	56	53	50	47	45
	1.5	1.02	306	245	204	175	153	136	122	111	102	94	87	82	77	72	68	64	61
	1.75	1.35	405	324	270	231	203	180	162	147	135	125	116	108	101	95	90	85	81
	2	1.73	519	415	346	297	260	231	208	189	173	160	148	138	130	122	115	109	104
	2.25	2.00	600	480	400	343	300	267	240	218	200	185	171	160	150	141	133	126	120
	2.5	2.27	681	545	454	389	341	303	272	248	227	210	195	182	170	160	151	143	136

*Flow rates calculated using water.

To achieve the same flow rate using liquid fertiliser use the following formula:- (not required if the rate controller allows input of the fertiliser SG - Specific Gravity)

For Example: Application rate — Square root of Specific Gravity

200 litres/ha x (√1.3 = 1.14) = 228 litres/ha (to input into the rate controller)

Where your Rate Controller asks to set up a new jet, use these values:

2Bar 1.73 litres/min
3Bar 2.58 litres/min

Example calculated for Liquid Fertiliser with an SG=1.3

Nozzle	Pressure (Bar)	Flow Rate (Litres/Min)	Speed KPH																
			4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
			Application Rate in Litres per Hectare (Boom height 500 mm and Nozzle Spacing 500 mm)																
5 Star	1.25	0.66	197	158	132	113	99	88	79	72	66	61	56	53	49	46	44	42	39
	1.5	0.89	268	215	179	153	134	119	107	98	89	83	77	72	67	63	60	57	54
	1.75	1.18	355	284	237	203	178	158	142	129	118	109	102	95	89	84	79	75	71
	2	1.52	455	364	304	260	228	202	182	166	152	140	130	121	114	107	101	96	91
	2.25	1.75	526	421	351	301	263	234	211	191	175	162	150	140	132	124	117	111	105
	2.5	1.99	597	478	398	341	299	265	239	217	199	184	171	159	149	141	133	126	119