

### Fastcap® ESI Six-Stream Nozzles

For Targeted Liquid Fertiliser Application



#### FEATURES & BENEFITS

- Six identical fluid streams distribute liquid fertiliser accurately to more plants
- Superior stream stability compared to other multi-stream nozzles reduces crop scorch
- Compact design is less prone to breakage than long nozzles and dribble bars
- Large outlet holes to prevent blockage
- Orifice constructed from durable materials for reduced wear, longer life and consistent application
- Available in sizes 015-15, in ISO colours, for a wide range of application rates
- Convenient FastCap® style for cleaner, easier handling, with no loose parts



*The ESI utilizes a metering orifice and unique low pressure distribution chamber to keep the streams stable, reduce atomization and prevent crop scorch, which makes them ideal for applying liquid fertiliser.*



# Fastcap® ESI Six-Stream Nozzles

## SPECIFICATIONS

### Performance Characteristics

	HYPRO TIP REF.	PRESS. BAR	FLOW L/MIN	APPLICATION RATES L/HA AT KM/H					
				8KPH	10KPH	12KPH	14KPH	16KPH	18KPH
<b>Green</b>	FC-HESI-110015P (6 pack)	1.0	0.346	52	42	35	30	26	23
		2.0	0.490	73	59	49	42	37	33
		3.0	0.600	90	72	60	51	45	40
		4.0	0.693	104	83	69	59	52	46
<b>Yellow</b>	FC-HESI-11002P (6 pack)	1.0	0.462	69	55	46	40	35	31
		2.0	0.653	98	78	65	56	49	44
		3.0	0.800	120	96	80	69	60	53
		4.0	0.924	139	111	92	79	69	62
<b>Blue</b>	FC-HESI-11003P (6 pack)	1.0	0.693	104	83	69	59	52	46
		2.0	0.980	147	118	98	84	73	65
		3.0	1.200	180	144	120	103	90	80
		4.0	1.386	208	166	139	119	104	92
<b>Red</b>	FC-HESI-11004P (6 pack)	1.0	0.924	139	111	92	79	69	62
		2.0	1.306	196	157	131	112	98	87
		3.0	1.600	240	192	160	137	120	107
		4.0	1.848	277	222	185	158	139	123
<b>Brown</b>	FC-HESI-11005P (6 pack)	1.0	1.155	173	139	115	99	87	77
		2.0	1.633	245	196	163	140	122	109
		3.0	2.000	300	240	200	171	150	133
		4.0	2.309	346	277	231	198	173	154
<b>Grey</b>	FC-HESI-11006P (6 pack)	1.0	1.386	208	166	139	119	104	92
		2.0	1.960	294	235	196	168	147	131
		3.0	2.400	360	288	240	206	180	160
		4.0	2.771	416	333	277	238	208	185
<b>White</b>	FC-HESI-11008 (6 pack)	1.0	1.848	277	222	185	158	139	123
		2.0	2.613	392	314	261	224	196	174
		3.0	3.200	480	384	320	274	240	213
		4.0	3.695	554	443	370	317	277	246
<b>Light Blue</b>	FC-HESI-11010 (6 pack)	1.0	2.309	346	277	231	198	173	154
		2.0	3.266	490	392	327	280	245	218
		3.0	4.000	600	480	400	343	300	267
		4.0	4.619	693	554	462	396	346	308
<b>Light Green</b>	FC-HESI-11015 (6 pack)	1.0	3.464	520	416	346	297	260	231
		2.0	4.899	735	588	490	420	367	327
		3.0	6.000	900	720	600	514	450	400
		4.0	6.928	1039	831	693	594	520	462

ORDERING: Use codes shown Available in sizes 015 to 06 with plastic metering discs. Available in sizes 08, 10 and 15 with ceramic metering discs.

Application rates shown in this chart are based upon tests at 3 bar, 50 cm nozzle spacing and 50 cm boom height with plain water. Liquids with a higher Specific Gravity (S.G.) than water (e.g. liquid fertiliser) flow more slowly, so a *Correction Factor* needs to be applied to the application rates shown.

$Correction\ Factor = \sqrt{\frac{1}{S.G.}}$  This *Correction Factor* can then be applied to the Target Application Rate:

$$\frac{Target\ Application\ Rate\ in\ L/ha}{Correction\ Factor} = Revised\ Application\ Rate^*$$

Use the *Revised Application Rate* to select a nozzle size, pressure and speed from the Nozzle Chart. These settings will then apply the **Target Application Rate**.

\*NB: This is not the actual application rate that will be applied and is only calibrated to help select the right settings.

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