

HYPRO® NOZZLES

FASTCAP® ESI LIQUID FERTILISER NOZZLES

6 SOLID STREAMS IN A COMPACT CAP



FEATURES & BENEFITS

- Optimised for practical and accurate application of liquid fertiliser
- Six fluid streams aligned to distribute liquid fertiliser evenly and accurately when the patterns overlap
- Stable streams help to minimise leaf retention and crop scorch
- Compact design within a standard sized FastCap®. Less prone to snagging and breakage than longer nozzles or dribble bars
- Easily handled with no loose parts
- FastCap® bayonet is easily fitted and removed from standard EF3 rotating-style nozzle holders such as Hypro's ProFlo™, Duo React™, Arag and Teejet
- Large protected outlet orifices help to prevent blockages
- Metering orifice constructed from durable materials for reduced wear, longer life and consistent application
- Available in sizes 015 to 20, in ISO colours for a wide range of application rates from 20 to 1380 l/ha



Six solid liquid streams in a pattern designed to optimise fertiliser distribution. For optimum placement and minimum crop scorch set the boom height at 50 cm above crop.

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PART NO: FC-ESI-110015P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
015	1	0.346	52	42	35	30	26	23
	2	0.490	73	59	49	42	37	33
	3	0.600	90	72	60	51	45	40
	4	0.693	104	83	69	59	52	46

PART NO: FC-ESI-11002P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
02	1	0.462	69	55	46	40	35	31
	2	0.653	98	78	65	56	49	44
	3	0.800	120	96	80	69	60	53
	4	0.924	139	111	92	79	69	62

PART NO: FC-ESI-11003P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
03	1	0.693	104	83	69	59	52	46
	2	0.980	147	118	98	84	73	65
	3	1.200	180	144	120	103	90	80
	4	1.386	208	166	139	119	104	92

PART NO: FC-ESI-11004P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
04	1	0.924	139	111	92	79	69	62
	2	1.306	196	157	131	112	98	87
	3	1.600	240	192	160	137	120	107
	4	1.848	277	222	185	158	139	123

PART NO: FC-ESI-11005P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
05	1	1.155	173	139	115	99	87	77
	2	1.633	245	196	163	140	122	109
	3	2.000	300	240	200	171	150	133
	4	2.309	346	277	231	198	173	154

PART NO: FC-ESI-11006P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
06	1	1.386	208	166	139	119	104	92
	2	1.960	294	235	196	168	147	131
	3	2.400	360	288	240	206	180	160
	4	2.771	416	333	277	238	208	185

PART NO: FC-ESI-11008

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
08	1	1.848	277	222	185	158	139	123
	2	2.613	392	314	261	224	196	174
	3	3.200	480	384	320	274	240	213
	4	3.695	554	443	370	317	277	246

PART NO: FC-ESI-11010

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
10	1	2.309	346	277	231	198	173	154
	2	3.266	490	392	327	280	245	218
	3	4.000	600	480	400	343	300	267
	4	4.619	693	554	462	396	346	308

PART NO: FC-ESI-11015

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
15	1	3.464	520	416	346	297	260	231
	2	4.899	735	588	490	420	367	327
	3	6.000	900	720	600	514	450	400
	4	6.928	1039	831	693	594	520	462

PART NO: FC-ESI-11020P

Nozzle	Pressure	Flow	Litres/hectare @ Km/h					
	Bar	L/min	8	10	12	14	16	18
20	1	4.619	693	554	462	396	346	308
	2	6.532	980	784	653	560	490	435
	3	8.000	1200	960	800	686	600	533
	4	9.238	1386	1109	924	792	693	616

ORDERING: Use part numbers shown. P indicates plastic metering discs, otherwise ceramic. For packs of 6 with rate cards in English use part number format FC-HESI-110XX.

CORRECTION FOR SPECIFIC GRAVITY OF LIQUID FERTILIZER:

Application rates shown in this chart are based on tests at 3 bar, 50 cm nozzle spacing and 50 cm boom height, using plain water. Liquids with a higher Specific Gravity (S.G.) than water (e.g. liquid fertiliser) flow more slowly, so in order to use the charts above, a Correction Factor must to be used:

$$\text{Correction Factor} = \sqrt{\frac{1}{\text{S.G.}}}$$

Use the Correction Factor to calculate a 'Reference Application Rate':

$$\frac{\text{Target Application Rate l/ha}}{\text{Correction Factor}} = \text{Reference Application Rate l/ha}$$

Use this Reference Application Rate to select the best nozzle size, pressure and speed using the nozzle charts above. Using these settings will apply the Target Application Rate that is required.



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