PENTAIR
HYPRO

ESI SIX-STREAM NOZZLE

MINIMIZE LEAF BURN. MAXIMIZE NITROGEN USE EFFICIENCY.

Fertilizing your crops is important. It ensures the plants receive the nutrients they need to grow strong. The way you apply fertilizer is key too. For a more effective application, you need to distribute it evenly on the soil while getting less on the crop. Pentair® Hypro™ ESI Six Stream Nozzle Tip can help you accomplish this task with spray streams that apply product where needed.

STANDARD FEATURES

- Distribute fertilizer accurately and evenly with six identical fluid streams
- Reduce atomization and prevention of leaf burn with unique low pressure distribution chamber, which provides superior stream stability
- Enjoy a durable and accurate product life with wear-resistant orifices
- Help prevent plugging with large outlet holes
- Minimize breakage with its compact design
- Pick from sizes 015 - 20 to facilitate a wide range of application rates
- Pentair FastCap system is designed for cleaner and easier handling
- Compatible with PWM Systems



IDEAL FOR:

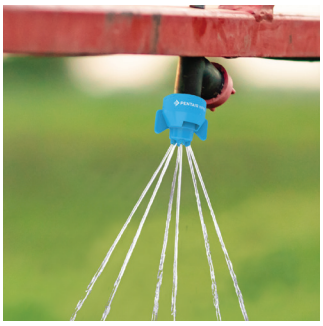




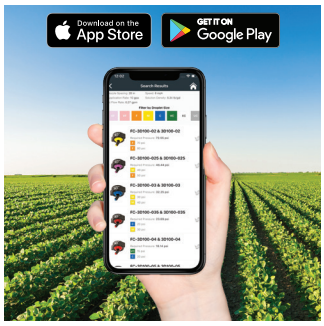
Six stream pattern in a compact design.



Advanced fertilizer nozzle capable of both pre and post emerge fertilizer applications.



Stream integrity reduces unwanted small droplets that cause unintentional plant damage.



Download the FREE Pentair Hypro SprayIT App for simple spray tip selection.

PENTAIR® HYPRO™ ESI SIX-STREAM NOZZLE

SPECIFICATIONS

SIZE	PRESSURE (BAR)	FLOW RATE (LPM)	SPEED (K/MH) 50CM NOZZLE SPACING (LITERS PER HECTARE)											
			40	60	80	100	120	140	160	180	200	220	240	260
015	1.5	0.42	12.7	8.5	6.4	5.1	4.2	3.6	3.2	2.8	2.5	2.3	2.1	2.0
	2	0.49	14.7	9.8	7.3	5.9	4.9	4.2	3.7	3.3	2.9	2.7	2.4	2.3
	2.5	0.55	16.4	11.0	8.2	6.6	5.5	4.7	4.1	3.7	3.3	3.0	2.7	2.5
	3	0.60	18.0	12.0	9.0	7.2	6.0	5.1	4.5	4.0	3.6	3.3	3.0	2.8
	4	0.69	20.8	13.9	10.4	8.3	6.9	5.9	5.2	4.6	4.2	3.8	3.5	3.2
02	1.5	0.57	17.0	11.3	8.5	6.8	5.7	4.8	4.2	3.8	3.4	3.1	2.8	2.6
	2	0.65	19.6	13.1	9.8	7.8	6.5	5.6	4.9	4.4	3.9	3.6	3.3	3.0
	2.5	0.73	21.9	14.6	11.0	8.8	7.3	6.3	5.5	4.9	4.4	4.0	3.7	3.4
	3	0.80	24.0	16.0	12.0	9.6	8.0	6.9	6.0	5.3	4.8	4.4	4.0	3.7
	4	0.92	27.7	18.5	13.9	11.1	9.2	7.9	6.9	6.2	5.5	5.0	4.6	4.3
03	1.5	0.85	25.5	17.0	12.7	10.2	8.5	7.3	6.4	5.7	5.1	4.6	4.2	3.9
	2	0.98	29.4	19.6	14.7	11.8	9.8	8.4	7.4	6.5	5.9	5.3	4.9	4.5
	2.5	1.10	32.9	21.9	16.4	13.1	11.0	9.4	8.2	7.3	6.6	6.0	5.5	5.1
	3	1.20	36.0	24.0	18.0	14.4	12.0	10.3	9.0	8.0	7.2	6.5	6.0	5.5
	4	1.39	41.6	27.7	20.8	16.6	13.9	11.9	10.4	9.2	8.3	7.6	6.9	6.4
04	1.5	1.13	33.9	22.6	17.0	13.6	11.3	9.7	8.5	7.5	6.8	6.2	5.7	5.2
	2	1.31	39.2	26.1	19.6	15.7	13.1	11.2	9.8	8.7	7.8	7.1	6.5	6.0
	2.5	1.46	43.8	29.2	21.9	17.5	14.6	12.5	11.0	9.7	8.8	8.0	7.3	6.7
	3	1.60	48.0	32.0	24.0	19.2	16.0	13.7	12.0	10.7	9.6	8.7	8.0	7.4
	4	1.85	55.4	37.0	27.7	22.2	18.5	15.8	13.9	12.3	11.1	10.1	9.2	8.5
05	1.5	1.41	42.4	28.3	21.2	17.0	14.1	12.1	10.6	9.4	8.5	7.7	7.1	6.5
	2	1.63	49.0	32.7	24.5	19.6	16.3	14.0	12.2	10.9	9.8	8.9	8.2	7.5
	2.5	1.83	54.8	36.5	27.4	21.9	18.3	15.7	13.7	12.2	11.0	10.0	9.1	8.4
	3	2.00	60.0	40.0	30.0	24.0	20.0	17.1	15.0	13.3	12.0	10.9	10.0	9.2
	4	2.31	69.3	46.2	34.6	27.7	23.1	19.8	17.3	15.4	13.9	12.6	11.5	10.7
06	1.5	1.70	50.9	33.9	25.5	20.4	17.0	14.5	12.7	11.3	10.2	9.3	8.5	7.8
	2	1.96	58.8	39.2	29.4	23.5	19.6	16.8	14.7	13.1	11.8	10.7	9.8	9.0
	2.5	2.19	65.7	43.8	32.9	26.3	21.9	18.8	16.4	14.6	13.1	12.0	11.0	10.1
	3	2.40	72.0	48.0	36.0	28.8	24.0	20.6	18.0	16.0	14.4	13.1	12.0	11.1
	4	2.77	83.1	55.4	41.6	33.3	27.7	23.8	20.8	18.5	16.6	15.1	13.9	12.8
08	1.5	2.26	67.9	45.3	33.9	27.2	22.6	19.4	17.0	15.1	13.6	12.3	11.3	10.4
	2	2.61	78.4	52.3	39.2	31.4	26.1	22.4	19.6	17.4	15.7	14.3	13.1	12.1
	2.5	2.92	87.6	58.4	43.8	35.1	29.2	25.0	21.9	19.5	17.5	15.9	14.6	13.5
	3	3.20	96.0	64.0	48.0	38.4	32.0	27.4	24.0	21.3	19.2	17.5	16.0	14.8
	4	3.70	110.9	73.9	55.4	44.3	37.0	31.7	27.7	24.6	22.2	20.2	18.5	17.1
10	1.5	2.80	84.0	56.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9
	2	3.30	99.0	66.0	49.5	39.6	33.0	28.3	24.8	22.0	19.8	18.0	16.5	15.2
	2.5	3.70	111.0	74.0	55.5	44.4	37.0	31.7	27.8	24.7	22.2	20.2	18.5	17.1
	3	4.00	120.0	80.0	60.0	48.0	40.0	34.3	30.0	26.7	24.0	21.8	20.0	18.5
	4	4.60	138.0	92.0	69.0	55.2	46.0	39.4	34.5	30.7	27.6	25.1	23.0	21.2
15	1.5	4.20	126.0	84.0	63.0	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4
	2	4.90	147.0	98.0	73.5	58.8	49.0	42.0	36.8	32.7	29.4	26.7	24.5	22.6
	2.5	5.50	165.0	110.0	82.5	66.0	55.0	47.1	41.3	36.7	33.0	30.0	27.5	25.4
	3	6.00	180.0	120.0	90.0	72.0	60.0	51.4	45.0	40.0	36.0	32.7	30.0	27.7
	4	6.90	207.0	138.0	103.5	82.8	69.0	59.1	51.8	46.0	41.4	37.6	34.5	31.8
20	1.5	5.70	171.0	114.0	85.5	68.4	57.0	48.9	42.8	38.0	34.2	31.1	28.5	26.3
	2	6.50	195.0	130.0	97.5	78.0	65.0	55.7	48.8	43.3	39.0	35.5	32.5	30.0
	2.5	7.30	219.0	146.0	109.5	87.6	73.0	62.6	54.8	48.7	43.8	39.8	36.5	33.7
	3	8.00	240.0	160.0	120.0	96.0	80.0	68.6	60.0	53.3	48.0	43.6	40.0	36.9
	4	9.20	276.0	184.0	138.0	110.4	92.0	78.9	69.0	61.3	55.2	50.2	46.0	42.5

Droplet data sourced at Silsoe Spray Applications Unit Ltd in a steady state condition per ASABE S572.1 Standard. January 2016.

FEATURES

COMMON USE	Fertilizer
PATTERN	Streams
TECHNOLOGY	Pre-Orifice
MATERIAL	Ceramic
SPRAY ANGLE	110° Equivalent
PRESSURE RANGE	20-60 PSI
CONFIGURATION	Nozzles, FastCap

PART NUMBERS

FASTCAPS 110°
CERAMIC ORIFICE
FC-ESI-110015
FC-ESI-11002
FC-ESI-11003
FC-ESI-11004
FC-ESI-11005
FC-ESI-11006
FC-ESI-11008
FC-ESI-11010
FC-ESI-11015
FC-ESI-11020
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REPLACEMENT CAP GASKET

65-BS205	O-Ring

PENTAIR

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