



## NOZZLE TECHNICAL DATA SHEET



### LOW DRIFT

Rated at 3 bar pressure with an angle of 80° or 110°, these nozzles produce coarser droplets with a narrow elliptical spray pattern.

Low drift nozzles help lessen environmental impact by reducing the percentage volume of driftable droplets, minimising spray contamination off-target.



#### FEATURES

- Available in two spray angles of 80° and 110°.
- Precision moulded in polyacetal, a highly stable polymeric material with outstanding wear characteristics.
- Colour coded (in accordance with ISO10625) for quick identification of flow rate.

#### APPLICATIONS

- Used for broadcast application of pre and post emergent herbicides, fungicides, insecticides, growth regulators and liquid fertilisers.

#### SPRAY DRIFT

- Spray drift comprises small, wind borne droplets of pesticide carried away from the intended target area and into the environment. Research has shown that up to 20% of pesticides being released is contained in droplets less than 100µm in diameter. These are drift prone droplets capable of travelling great distances taking the benefits of the pesticide away from the target, to contaminate the environment.



Spray angle and coverage



Single nozzle distribution



Boom distribution

#### SPRAY QUALITY CLASSIFICATION

Very Fine (VF)	Fine (F)	Medium (M)	Coarse (C)	Very Coarse (VC)
< 119µm	119µm ÷ 216µm	217µm ÷ 353µm	354µm ÷ 464µm	> 464µm

µm = millionth millimeter (Eg.: 250µm = 0.25 mm)

Code 110°	Code 80°	2 bar	2.5 bar	3 bar	3.5 bar	4 bar
LD110015	LD080015	F	F	F	F	F
LD11002	LD08002	M	M	M	M	M
LD110025	NA	M	M	M	M	M
LD11003	LD08003	M	M	M	M	M
LD11004	LD08004	C	C	C	C	M
LD11005	NA	C	C	C	C	C

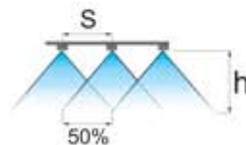
## LOW DRIFT

## INSTALLATION

To ensure uniform target coverage the boom height must be correctly adjusted in relation to the target and for the nozzle spacing used on the boom. The figures below provide a 50% overlap ensuring an overall even distribution. Ideally the nozzles should be offset by about 8° to the boom to minimise interference between spray patterns and to avoid droplets coalescing between the nozzle and the target. Most standard nozzle holders offset the spray by 8°.

Boom height to get 50% overlapping at various spacing

	S	40 cm 16 in	45 cm 18 in	50 cm 20 in	55 cm 22 in	60 cm 24 in
LD 80°	h	48 cm 19 in	54 cm 21.5 in	60 cm 24 in	66 cm 26 in	72 cm 28.5 in
LD 110°	h	28 cm 11 in	32 cm 13 in	35 cm 14 in	39 cm 15.5 in	42 cm 16.5 in



Code 110°	 bar	 l/min	l/ha (nozzle spacing: 50 cm)						Code 80°
			6 km/h	8 km/h	10 km/h	12 km/h	14 km/h	16 km/h	
LD110015	2	0.49	98	74	59	49	42	37	LD080015
	2.5	0.55	110	83	66	55	47	41	
	3	0.60	120	90	72	60	51	45	
	3.5	0.65	130	98	78	65	56	49	
LD11002	4	0.69	138	104	83	69	59	52	LD08002
	2	0.65	130	98	78	65	56	49	
	2.5	0.73	146	110	88	73	63	55	
	3	0.80	160	120	96	80	69	60	
LD110025	3.5	0.86	172	129	103	86	74	65	NA
	4	0.92	184	138	110	92	79	69	
	2	0.82	164	123	98	82	70	62	
	2.5	0.91	182	137	109	91	78	68	
LD11003	3	1.00	200	150	120	100	86	75	LD08003
	3.5	1.08	216	162	130	108	93	81	
	4	1.15	230	173	138	115	99	86	
	2	0.98	196	147	118	98	84	74	
LD11004	2.5	1.10	220	165	132	110	94	83	LD08004
	3	1.20	240	180	144	120	103	90	
	3.5	1.30	260	195	156	130	111	98	
	4	1.39	278	209	167	139	119	104	
LD11005	2	1.31	262	197	157	131	112	98	NA
	2.5	1.46	292	219	175	146	125	110	
	3	1.60	320	240	192	160	137	120	
	3.5	1.73	346	260	208	173	148	130	
LD11005	4	1.85	370	278	222	185	159	139	NA
	2	1.63	326	245	196	163	140	122	
	2.5	1.83	366	275	220	183	157	137	
	3	2.00	400	300	240	200	171	150	
LD11005	3.5	2.16	432	324	259	216	185	162	NA
	4	2.31	462	347	277	231	198	173	

## ACCESSORIES



Nozzle opening key

CODE  
LDKEY



QUICK FITTING CAP  
402900

ALSO AVAILABLE IN  
**BLISTER PACK**  
25 pcs



Unit 41  
The Old Brickworks  
Plumpton Green  
East Sussex BN7 3DF  
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