



Even flat spray nozzles E

Drift reduction:
90%



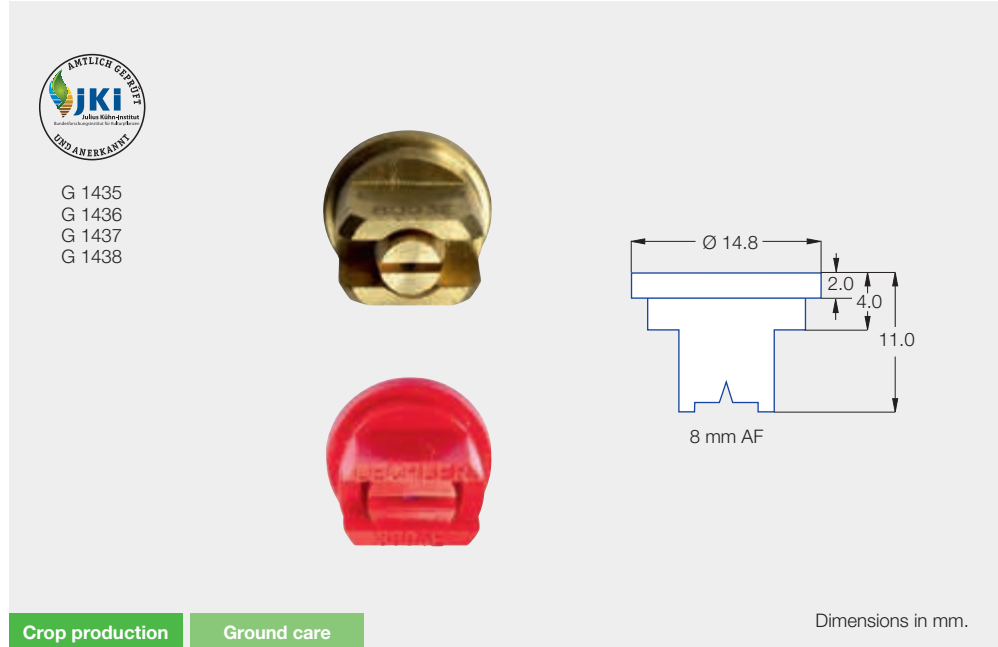
Current list under

www.lechler-agri.com/drift-reduction

Flat spray nozzle with rectangular liquid distribution for band and row spraying.

Advantages

- Only even flat spray nozzle with 90% drift reduction approved by JKI (depending on nozzle size, pressure and country)
- Fully formed spray angle from 1 bar
- Uniform active ingredient distribution over the entire bandwidth
- Extremely small spraying distances possible



Nozzle size
01 – 08



Spray angle
80°



Material
Brass, POM



Pressure range
1 – 3 – 4 bar



Recommended filters
80 M 01 – 015
60 M 02 – 04
25 M 05 – 08



Droplet size
Very coarse – very fine



Width across flats
8 mm

Application areas



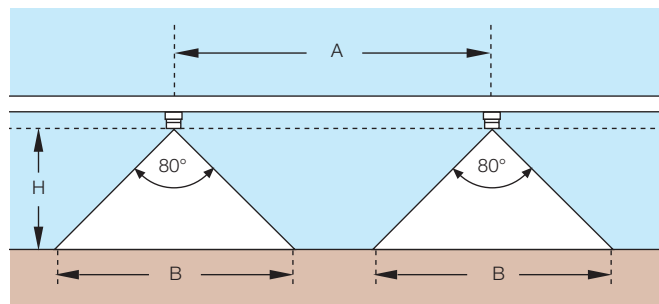
Band spraying



Knapsack sprayer

Nozzle alignment

Lechler's even flat spray nozzles ES enable extremely short spray heights (H), thus extensively avoiding band drift. The width of the spray band (B) can be varied by altering the spray height (H) and/or rotating the spray axis to change the spray offset.



Application-rate reduction

Depending on the band width and row width, the amount of spraying liquid for band spraying amounts to 10–50% of the amount of liquid for full surface treatment.





Calculation formula for band and row spraying see page 9.

Spray height H cm	Band width B cm	Application rate* (in %), for a row spacing A		
		50 cm	75 cm	100 cm
7	10	20	13	10
10	15	30	20	15
13	20	40	27	20
16	25	50	33	25

* Percentages in comparison with full-area treatment.



Spray table for even flat spray nozzles E

 ()	ISO 25358 	 I/min	(l/ha) 															
			Row spacing 0.5 m					Row spacing 0.75 m					Row spacing 1 m					
			5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	5.0 km/h	6.0 km/h	8.0 km/h	10.0 km/h	12.0 km/h	
E 8001 (80 M)	F	1.0	0.23	55	46	35	28	23	37	31	23	18	15	28	23	17	14	12
	F	1.5	0.28	67	56	42	34	28	45	37	28	22	19	34	28	21	17	14
	F	2.0	0.32	77	64	48	38	32	51	43	32	26	21	38	32	24	19	16
	VF	3.0	0.39	94	78	59	47	39	62	52	39	31	26	47	39	29	23	20
	VF	4.0	0.45	108	90	68	54	45	72	60	45	36	30	54	45	34	27	23
E 80015 (80 M)	F	1.0	0.34	82	68	51	41	34	54	45	34	27	23	41	34	26	20	17
	F	1.5	0.42	101	84	63	50	42	67	56	42	34	28	50	42	32	25	21
	F	2.0	0.48	115	96	72	58	48	77	64	48	38	32	58	48	36	29	24
	VF	3.0	0.59	142	118	89	71	59	94	79	59	47	39	71	59	44	35	30
	VF	4.0	0.68	163	136	102	82	68	109	91	68	54	45	82	68	51	41	34
E 8002 (60 M)	M	1.0	0.46	110	92	69	55	46	74	61	46	37	31	55	46	35	28	50
	M	1.5	0.56	134	112	84	67	56	90	75	56	45	37	67	56	42	34	57
	M	2.0	0.65	156	130	98	78	65	104	87	65	52	43	78	65	49	39	71
	F	3.0	0.80	192	160	120	96	80	128	107	80	64	53	96	80	60	48	57
	F	4.0	0.92	221	184	138	110	92	147	123	92	74	61	110	92	69	55	81
E 8003 (60 M)	C	1.0	0.72	173	144	108	86	72	115	96	72	58	48	86	72	54	43	36
	M	1.5	0.88	211	176	132	106	88	141	117	88	70	59	106	88	66	53	44
	M	2.0	1.01	242	202	152	121	101	162	135	101	81	67	121	101	76	61	51
	F	3.0	1.24	298	248	186	149	124	198	165	124	99	83	149	124	93	74	62
	F	4.0	1.43	343	286	215	172	143	229	191	143	114	95	172	143	107	86	72
E 8004 (60 M)	VC	1.0	0.91	218	182	137	109	91	146	121	91	73	61	109	91	68	55	46
	C	1.5	1.12	269	224	168	134	112	179	149	112	90	75	134	112	84	67	56
	C	2.0	1.29	310	258	194	155	129	206	172	129	103	86	155	129	97	77	65
	M	3.0	1.58	379	316	237	190	158	253	211	158	126	105	190	158	119	95	79
	M	4.0	1.82	437	364	273	218	182	291	243	182	146	121	218	182	137	109	91
E 8005 (25 M)	VC	1.0	1.14	274	228	171	137	114	182	152	114	91	76	137	114	86	68	57
	VC	1.5	1.39	334	278	209	167	139	222	185	139	111	93	167	139	104	83	70
	C	2.0	1.61	386	322	242	193	161	258	215	161	129	107	193	161	121	97	81
	M	3.0	1.97	473	394	296	236	197	315	263	197	158	131	236	197	148	118	99
	M	4.0	2.28	547	456	342	274	228	365	304	228	182	152	274	228	171	137	114
E 8006 (25 M)	VC	1.0	1.36	326	272	204	163	136	218	181	136	109	91	163	136	102	82	68
	VC	1.5	1.67	401	334	251	200	167	267	223	167	134	111	200	167	125	100	84
	VC	2.0	1.93	463	386	290	232	193	309	257	193	154	129	232	193	145	116	97
	C	3.0	2.36	566	472	354	283	236	378	315	236	189	157	283	236	177	142	118
	M	4.0	2.73	655	546	410	328	273	437	364	273	218	182	328	273	205	164	137
E 8008 (25 M)	VC	1.0	1.82	437	364	273	218	182	291	243	182	146	121	218	182	137	109	91
	VC	1.5	2.23	535	446	335	268	223	357	297	223	178	149	268	223	167	134	112
	VC	2.0	2.58	619	516	387	310	258	413	344	258	206	172	310	258	194	155	129
	C	3.0	3.16	758	632	474	379	316	506	421	316	253	211	379	316	237	190	158
	M	4.0	3.65	876	730	548	438	365	584	487	365	292	243	438	365	274	219	183

ISO 25358
Droplet size classification

New measuring system!
Further information see page 13.

- VF Very fine
- F Fine
- M Medium
- C Coarse
- VC Very coarse
- XC Extremely coarse
- UC Ultra coarse

Classifications are subject to change.

- Spray pressure at the nozzle tip (gauged with a diaphragm valve)
- The stated liter-per-hectare rates apply to water
- Prior to each spraying season, verify the table data by gauging the flow rates
- Make sure that all nozzles have the same settings

Online nozzle calculator



Apple



Android

Example of ordering

Type + spray angle + int'l nozzle size + material = ordering no.
 E 80° 02 Brass = 8002 E brass
 E 80° 02 POM = 8002 E

