








LERAP rating for Lechler low drift nozzles

LERAP Rating		Nozzle Type/Size	Pressure Range	Flow Rate
 (4-stars)		IDTA 120-025	1.0 - 3.0 bar	0.57 - 0.99 l/min
		IDTA 120-03	1.0 - 2.0 bar	0.69 - 0.97 l/min
		IDTA 120-04	1.0 - 2.0 bar	0.91 - 1.29 l/min
		ID-120-03 (ID3)	2.0 - 4.0 bar	0.97 - 1.37 l/min
		ID-120-04 (ID3)	2.0 - 5.0 bar	1.29 - 2.04 l/min
		ID-120-05 (ID3)	2.0 - 6.0 bar	1.61 - 2.79 l/min
 (3-stars)		IDTA 120-025	3.1 - 5.5 bar	1.00 - 1.35 l/min
		IDTA 120-03	2.1 - 4.0 bar	0.98 - 1.37 l/min
		IDTA 120-04	2.1 - 4.0 bar	1.30 - 1.82 l/min
		ID-120-03 (ID3)	4.1 - 8.0 bar	1.38 - 1.94 l/min
		ID-120-04 (ID3)	5.1 - 8.0 bar	2.05 - 2.58 l/min
		ID-120-05 (ID3)	6.1 - 8.0 bar	2.80 - 3.22 l/min
		ID 120-02 POM/C	3.0 - 4.0 bar	0.80 - 0.92 l/min
		ID 120-025 POM/C	3.0 - 4.0 bar	0.99 - 1.15 l/min
		ID 120-03 POM/C	3.0 - 4.0 bar	1.19 - 1.37 l/min
		ID 120-04 POM/C	3.0 - 4.0 bar	1.58 - 1.82 l/min
		IDK 120-015 C	1.0 - 1.5 bar	0.34 - 0.42 l/min
		IDK 120-02 C	1.0 - 1.5 bar	0.46 - 0.56 l/min
		IDK 120-025 C	1.0 - 1.5 bar	0.57 - 0.70 l/min
		IDK 120-03 C	1.0 - 1.5 bar	0.69 - 0.84 l/min
		IDK 120-04 C	1.0 - 1.5 bar	0.91 - 1.12 l/min
		IDK 120-05 POM/C	1.0 - 1.5 bar	1.11 - 1.39 l/min
		IDK 120-015 POM	1.0 bar	0.34 l/min
		IDK 120-02 POM	1.0 bar	0.46 l/min
IDK 120-025 POM		1.0 bar	0.57 l/min	
IDK 120-03 POM		1.0 bar	0.69 l/min	
IDK 120-04 POM	1.0 bar	0.91 l/min		

LERAP Rating		Nozzle Type/Size	Pressure Range	Flow Rate
★★★		IDTA 120-025	5.5 - 8.0 bar	1.35 - 1.62 l/min
		IDTA 120-03	4.0 - 8.0 bar	1.37 - 1.94 l/min
		IDTA 120-04	4.0 - 8.0 bar	1.82 - 2.58 l/min
		ID 120-015 POM/C	7.0 bar	0.92 l/min
		ID 120-02 POM/C	4.5 - 8.0 bar	0.98 - 1.31 l/min
		ID 120-025 POM/C	4.5 - 8.0 bar	1.22 - 1.63 l/min
		ID 120-03 POM/C	4.5 - 8.0 bar	1.47 - 1.96 l/min
		ID 120-04 POM/C	4.5 - 8.0 bar	1.96 - 2.61 l/min
		IS 80 - 02 POM	4.5 - 8.0 bar	0.73 - 0.97 l/min
		IS 80 - 025 POM	4.5 - 8.0 bar	1.07 - 1.43 l/min
		IS 80 - 03 POM	4.5 - 8.0 bar	1.28 - 1.71 l/min
		IS 80 - 04 POM	4.5 - 8.0 bar	1.66 - 2.21 l/min
		IDK 120-015 POM	1.0 - 2.0 bar	0.34 - 0.48 l/min
		IDK 120-02 POM	1.0 - 2.0 bar	0.46 - 0.65 l/min
		IDK 120-025 POM	1.0 - 2.0 bar	0.58 - 0.81 l/min
IDK 120-03 POM		1.0 - 3.0 bar	0.69 - 1.19 l/min	
IDK 120-04 POM		1.0 - 5.0 bar	0.91 - 2.04 l/min	
IDK 120-05 POM		1.0 - 5.0 bar	1.14 - 2.55 l/min	
★ (1-star)		IDK 120-02 POM	2.0 - 3.0 bar	0.65 - 0.80 l/min
		IDK 120-025 POM	2.0 - 3.0 bar	0.81 - 0.99 l/min
		IDK 120-03 POM	3.0 - 5.0 bar	1.19 - 1.53 l/min

Operational Settings and Conditions

Forward Speed	8 km/h (+/- 25%) respectively 6 - 12 km/h
Nozzle Spacing	0.5m
Boom Height	Up to 0.5m above the target surface and not more than 2m above ground surface if crop continues into buffer zone or more than 1m above ground surface if no crop in buffer zone or vegetation of at least the same height as crop being treated
Weather	UK Code of Practice
LERAP regime	12 m downwind swath