Air-injector flat spray nozzles ID3

**Features**
- Air-aspirating flat-spray nozzle
- Nozzle sizes 01 through 08
- Pressure range: ID-01 to -015 : 3.0 to 8.0 bar
  - ID-02 to -08 : 2.0 to 8.0 bar
- Extremely low drift potential for whole pressure range
- Significantly improved deposition structure thanks to aerated droplets
- Combines with IS end nozzle (of equal size), for sharply defined edges
- Fits all bayonet cap systems with 10 mm AF and threaded caps (Ø 12.6 mm)

**Range of application**
- Application of plant protectants and growth regulators
- Particularly well-suited for application of liquid fertilizer (UAN); pressure range for pure UAN: 2.0 to 4.0 bar

**Benefits of ID3 nozzles**
- More solid design of nozzle body by filed construction
  - 0.9 cm shorter in comparison to ID range
  - Improved protection of nozzle tip by reinforced side walls
  - Easier cleaning of nozzle body by smooth transition
- Plane injector orifice
  - Easy wipe away of residues and dirt
  - Toolless removal and assembly of injector e.g. for cleaning purpose
  - Correct alignment of injector into the nozzle body by inside catch
  - Safe sealing between injector and nozzle body by o-ring
- Long injector design responsible for high drift stability
  - Reduced fine droplet fraction also at higher pressure
  - Increased work rate at higher speeds
  - Even better adaption of sprayer speed and l/ha-rate without changing of nozzles
  - Application in due time even under worse weather conditions
  - For use at wind speeds up to 5 m/s according to good agricultural practice
  - Potential of 90 % drift reduction at 2.0 bar
- Proved materials such as POM or ceramic available depending on application conditions
- Non sensitive towards clogging due to big cross sections
- Very good deposition structure and crop-canopy penetration ensures high biological performance

**Spray angle:** 120°
**Material:** POM, ceramic

**ID3**

[Image of nozzles]

**Lechler ID3 are rated in several countries for drift reduction 90/75/50 %**

Current list under [www.lechler-agri.com](http://www.lechler-agri.com)
Spray table for air-injector flat spray nozzles ID3

<table>
<thead>
<tr>
<th>BCP/ASABE</th>
<th>1/ha</th>
<th>5.0 km/h</th>
<th>6.0 km/h</th>
<th>7.0 km/h</th>
<th>8.0 km/h</th>
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Matching air-injector off center nozzles IS, see page 28

Prior to each spraying season, verify the nozzles IS, see page 28

Spray pressure at the nozzle tip (gauged matching air-injector off center settings.

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.

Classifications are subject to change

| BCP/ASABE | | | | | | | | | | |
|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| VC | Very fine | | | | | | | | | |
| F | Fine | | | | | | | | | |
| M | Medium | | | | | | | | | |
| C | Coarse | | | | | | | | | |
| VC | Very coarse | | | | | | | | | |
| EC | Extreme Coarse | | | | | | | | | |

Droplet size classification

Sample order

Type + spray angle + int nozzle size + material = order number
ID3 120" 025 (FOM) = ID-120-025
ID3 120" 025 C (ceramic) = ID-120-025C