Always refer to the product label for specific instructions.
Nailure quality classifications are based on BCPC specifications and are in accordance with ASAE Standard S-572 at the date of printing. Classifications are subject to change.

For spot and band spraying, the same spray quality classification applies if the spray width (support by the number of directed nozzles).

Nailure data supported by agrotop. This information superseded data on previous versions distributed. Data for AM110-4: agrotop

Spray quality

Nailure selection is often based upon droplet size. The droplet size from a nozzle becomes very important when the efficacy of a particular crop chemical is dependent on coverage, or the prevention of spray leaving the target area is a priority.

### Spray quality

<table>
<thead>
<tr>
<th>Very Fine</th>
<th>Fine</th>
<th>Medium</th>
<th>Coarse</th>
<th>Very Coarse</th>
<th>Extremely Coarse</th>
</tr>
</thead>
<tbody>
<tr>
<td>VF</td>
<td>F</td>
<td>M</td>
<td>C</td>
<td>VC</td>
<td>XC</td>
</tr>
</tbody>
</table>

- **VF**: Very Fine (15-25 µm)
- **F**: Fine (25-40 µm)
- **M**: Medium (40-80 µm)
- **C**: Coarse (80-160 µm)
- **VC**: Very Coarse (160-320 µm)
- **XC**: Extremely Coarse (320 µm+)

### Application Rate

\[
\text{Application Rate} (L/ha) = \frac{\text{L/min} \times \text{nozzle} \times 600}{\text{km/h} \times \text{m}^2} = \frac{\text{L/min} \times \text{nozzle}}{\text{km/h} \times \text{m}^2}
\]

- **L/min/nozzle**: Flow rate in litre per minute
- **km/h**: Driving speed
- **m²**: Width of nozzle spacing in m²
- **600**: Constant

### Flow Rate

\[
\text{Flow Rate} (L/ha x km/h x W/m²) = 600
\]

**Example**
- A farmer wants to spray 70 L/ha, drive with a speed of 18 km/h and his boom has a nozzle spacing of 50 m.

### Travel Speed

\[
\text{Travel Speed (km/h)} = \text{Distance (m)} \times 3.6
\]

### Spot Band Spraying

For spot and band spraying, the same formula can be used but VF nailure is preferred, unless the spray width is reduced by the number of directed nozzles.

**Example**: a grower directs 3 nozzles over 1 m strip

W = 1 m - 3 nozzles = 0.33 m

### Pressure

\[
\text{Pressure (bar)} = \frac{100\text{ kg/cm}^2}{0.15\text{ kg/cm}^2} = 666.67\text{ kg/cm}^2
\]

**Example**: 1 bar = 100 kilopascal (kPa) = 14.5 pound per square inch (PSI)

1 bar pressure corresponds to 14.5 pound per square inch (PSI).

Nailure data for AM110-4: agrotop

Nailure data supported by agrotop. This information superseded data on previous versions distributed.