7th European Workshop on Standardized Procedure for the Inspection of Sprayers in Europe

Agricultural University of Athens, Greece 26-28/9/2018
Session 3
Harmonized test methods for PAE not included in ISO EN 16122 series

SPISE Advice
Periodical inspection of fixed and mobile Rotary atomisers pesticide application equipment for band application
(Tom Bals, Jaco Kole)
Spise Advice

SPISE
Standardized Procedure for the Inspection of Sprayers in Europe

ADVICE
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compiled by:
SPISE Technical Working Group 11

Periodical inspection of fixed and mobile rotary atomizers pesticide application equipment for band application.
Rotary atomisers
Used mobile and stationary

Mobile applicators

Stationary
Spise Advise Rotary atomisers:

- No EN of ISO standard for new machines, No EN or ISO standard available for inspection of machines in use.
- Basic requirements from Annex II, 2009/128/ec shall apply
- Use as much as possible from existing EN-ISO 16122 standards
Inspection, elements different from EN-ISO 16122

- Pump
  - Peristaltic pump
  - Positive displacement pumps

- Spray liquid tank – not applicable when pure product is directly transferred out of the product container
  - Cover
  - Marking of content
  - Strainer
  - Empyting
  - Cleaning
Inspection, elements different from EN-ISO 16122

- Atomiser mounting/connection
  - Mounting
  - Failures in the construction
  - Vertical deviation
  - Simularity
  - Dripping
  - Spraying on parts of the machine
  - Uniformity spray
  - Height adjustment
Inspection, elements different from EN-ISO 16122

- **Flowrate**
  - Measurement flow rate atomisers
  - +/- 10% average flow all atomisers

- **Distribution atomisers**
  - Adjustable working width
  - Adjustment shielding
  - Condition disc
  - Condition shields and hoods
  - Speed atomiser(s)
## Results of the inspections in Netherlands

<table>
<thead>
<tr>
<th>Number of inspected machines in NL in 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct approved</td>
</tr>
<tr>
<td>With repairs</td>
</tr>
<tr>
<td><strong>Total</strong></td>
</tr>
</tbody>
</table>

### Main failures

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>tank</td>
</tr>
<tr>
<td>dripping</td>
</tr>
<tr>
<td>Condition atomisers</td>
</tr>
<tr>
<td>pump</td>
</tr>
</tbody>
</table>
Thank you for your attention!