Fourth European Workshop on

Standardized Procedure for the Inspection of Sprayers in Europe
-SPISE 4-

27 to 29 March 2012 – Lana (Italy)

Session 1:
Inspection at regular intervals – inspection of new equipment (acc. 8/1 & 8/2)

H. Ganzelmeier & E. Gil
Structure of Session 1

- Opening the session 1
- Introduction paper of the chairman
- Presentations from the speakers
  - Gil, E.: Official procedure for mandatory inspection of sprayers in use
  - Polveche, V.: How to implement a mandatory inspection …
  - van Bargen, F.: Inspection of new sprayers before delivering
- Discussion of the presentations, relevant experiences of MS & implementation of TWG dealing with items acc. the principles of subsidiary
- Listing of subjects to be dealt with by SWG.
Relations between EU/CEN, federal and states regulations on the official inspection of sprayers

EU Directive/regulations/norms:
(a) Federal laws/regulations
(b) Recommendations
(c) Instructions
(d) Inspection instructions
(e) Exchange information

States

Federal

BMELV

WG-JKI/PPS

Inspection recommendations (c)

PPS

Inspection instructions (d)

EU: European Union
CEN: European Committee for Standardization
BMELV: Federal Ministry of Food, Agriculture and Consumer Protection
JKI: Federal Institute for Cultivated Plants
PPS: Plant Protection Service in the States
WG-JKI/PPS: Working Group;
WS: Approved Workshop
<table>
<thead>
<tr>
<th>Round table</th>
<th>Art.8 128</th>
<th>Objects and benefits of the obligatory inspection in the EU</th>
<th>Further regulations acc. Principles of subsidiary legal regulations</th>
<th>Technical specifications</th>
</tr>
</thead>
</table>
| 1 §1&2      | MS ensure PAE inspection  
Regular intervals  
Deadline  
New PAE | Conducting inspections  
Regular inspecting intervals  
Deadlines  
Brand new PAE | WS authorization/monitoring/ rejection  
Inspection regulation  
Quality assurance system  
How to deal with new PAE?  
How to deal with minor defects? | |
| 2 §3        | Derogation & exemptions  
Different timetables & intervals | Exemptions inspection  
Diff. timetables & intervals  
Listing in the NAP  
Training of operators | Risk assessment  
Assessment of scale of use  
Training of operators | |
| 3 §4        | Inspection acc. Annex II | Harmonized standards | How to inspect without EN standards | |
| Even. Progr. | - Calibration, adjustment, DRT  
Poster  
Exhibition | - | Added values by  
sprayer calibration  
adjustment to the canopy structure  
Drift reducing Techniques (DRT)? | |
| 4 §5        | Regular calibration & checks | Binding user to conduct regular calibration & checks | SWG proposal available  
Implemented in Eurogap certification | |
| 5 -         | Designate Bodies, Certificate systems, Mutual recognition | Designate bodies…  
Establish certificate systems | Certificate systems consists of sticker and test report  
SWG proposal available | |
| 6 -         | Training | Well trained inspectors  
Statistics reporting | Specification of theoretical+ practical training (content, basics, examination, documents, ppts)  
Maintenance & repairing | |
| 6 -         | Miscellaneous | Prohibition of use, offences  
PAE without valid sticker must not be used | | |
§1) Member States shall ensure that pesticide application equipment in professional use shall be subject to inspections at regular intervals. The interval between inspections shall not exceed five years until 2020 and shall not exceed three years thereafter.
§2(1) By 26 November 2016 Member States shall ensure that pesticide application equipment has been inspected at least once. After this date only pesticide application equipment having successfully passed inspection shall be in professional use.
Wording of Framework Directive – Article 8 Inspection of equipment in use

§2(2) New equipment shall be inspected at least once within a period of 5 years after purchase.
### Pesticide application equipment in professional use (acc. Art.8/ Dir.2009/128/EC)

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pesticide Appl. Equipment (PAE)</td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
<tr>
<td>2</td>
<td>used for spraying incl. fogging</td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>3</td>
<td>&amp; hand-operated PAE</td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>4</td>
<td>PAE not used for spraying pesticide</td>
<td><img src="image4.png" alt="Image" /></td>
</tr>
<tr>
<td>5</td>
<td>PAE handheld &amp;</td>
<td><img src="image5.png" alt="Image" /></td>
</tr>
<tr>
<td>6</td>
<td>knapsack sprayers</td>
<td><img src="image6.png" alt="Image" /></td>
</tr>
<tr>
<td>7</td>
<td>Additional PAE: (boom &lt; 3m)</td>
<td><img src="image7.png" alt="Image" /></td>
</tr>
<tr>
<td>8</td>
<td>Additional PAE: (train, aircraft, boom &gt;3m)</td>
<td><img src="image8.png" alt="Image" /></td>
</tr>
</tbody>
</table>

**Session 1: Inspection at regular intervals – new equipment**

Different timetables, intervals, very low scale; acc. paragraph 3(a)

Exempt from Inspection /3(b)
<table>
<thead>
<tr>
<th>Round table</th>
<th>Art.8 128</th>
<th>Objects and benefits of the obligatory inspection in the EU</th>
<th>Further regulations acc. Principles of subsidiary technical specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 §1&amp;2</td>
<td>MS ensure PAE inspection</td>
<td>Conducting inspections</td>
<td>WS authorization/monitoring/L1 /rejection L2</td>
</tr>
<tr>
<td></td>
<td>Regular intervals</td>
<td>Regular inspecting intervals</td>
<td>Inspection regulation L3</td>
</tr>
<tr>
<td></td>
<td>Deadline</td>
<td>Deadlines</td>
<td>Quality assurance system L4</td>
</tr>
<tr>
<td></td>
<td>New PAE</td>
<td>Brand new PAE</td>
<td>How to deal with new PAE? How to deal with minor defects?</td>
</tr>
<tr>
<td>2 §3</td>
<td>Derogation &amp; exemptions</td>
<td>Exemptions inspection</td>
<td>Risk assessment</td>
</tr>
<tr>
<td></td>
<td>Different timetables &amp; intervals</td>
<td>Diff. timetables &amp; intervals</td>
<td>Assessment of scale of use</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Listing in the NAP Training of operators</td>
<td>Training of operators</td>
</tr>
<tr>
<td>3 §4</td>
<td>Inspection acc. Annex II</td>
<td>Harmonized standards</td>
<td>How to inspect without EN standards</td>
</tr>
<tr>
<td>Even. Progr.</td>
<td>- Calibration, adjustment, DRT</td>
<td>-</td>
<td>Added values by</td>
</tr>
<tr>
<td></td>
<td>Poster</td>
<td></td>
<td>- sprayer calibration</td>
</tr>
<tr>
<td></td>
<td>Exhibition</td>
<td></td>
<td>- adjustment to the canopy structure</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>- Drift reducing Techniques (DRT)?</td>
</tr>
<tr>
<td>- §5</td>
<td>Regular calibration &amp; checks</td>
<td>Binding user to conduct regular calibration &amp; checks</td>
<td>SWG proposal available</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Implemented in Eurogap certification</td>
</tr>
<tr>
<td>4 §6</td>
<td>Designate Bodies, Certificate systems, Mutual recognition</td>
<td>Designate bodies… Establish certificate systems</td>
<td>Certificate systems consists of sticker and test report</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SWG proposal available</td>
</tr>
<tr>
<td>5 -</td>
<td>Training</td>
<td>Well trained inspectors</td>
<td>Specification of theoretical+ practical training (content, basics, examination, documents, ppts)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Statistics reporting</td>
<td>Maintenance &amp; repairing</td>
</tr>
<tr>
<td>6 -</td>
<td>Miscellaneous</td>
<td>Prohibition of use, offences</td>
<td>PAE without valid sticker must not be used</td>
</tr>
</tbody>
</table>
How to deal with brand new PAE?

Self-certification of one prototype EN 13790 (ISO / EN 16119) by manufacturer

Inspection of each brand new PAE before its first use EN 13790 light? by dealer himself

Inspection of each new PAE already in use EN 13790 by inspection workshop / bodies

Manufacturer

Manufacturer Dealer

Farmer

Session 1: Inspection at regular intervals – new equipment
How to deal with brand new PAE?

The inspection of brand new PAE before they were taken into use is

- **very advantageous** because this guarantees that new PAE also fulfils the requirement of ISO/EN 13790 (ISO/EN 16119)
- **without tear & wear** and therefore a reduced content of requirements should be applied
How to deal with brand new PAE?

Proposal: Inspection of brand new sprayers (see pp v. Bargen)
- field sprayers -
For testing brand new equipment only the features related to
- pump
- pipe system
- nozzles
shall be applied.
The results of the test shall be described in a test report to be written according to the sample in EN 13790.
How to deal with minor defects?

Proposal: Definition of minor defects
- field sprayers -
The CEN/TC144/WG3 will not define minor defects, but
- the EC/DG Sanco is very interested to keep the inspection procedure as practicable as possible
- DE and other MS have still some positive experiences
- a proposal is submitted and should be further developed by a new TechnicalWorkingGroup (TWG)
Prospects

– The Directive 2009/128/EC provides the frame for inspection of PAE in the MS, but
– further regulation acc. to the principles of subsidiary have to be developed by the MS amongst themselves
– this enables the MS to implement these stipulations taking their own experiences & situations into account
– the SPISE4 workshop should invite colleagues to participate in these TWG to consider all experiences and competences in their proposals
Speakers of session 1

Inspections at regular intervals - Inspection of new equipment
Chairmen: H. Ganzelmeier, E. Gil

1. Introduction paper of chairman
2. The official procedure for mandatory inspection of sprayers in Spain. How to deal with regional autonomous authorities, E. Gil, V. Montemajor, F. Gracia (Spain)
3. How to implement a mandatory inspection in accordance with European directives. V. Polvêche (France)
4. Inspection of new sprayers before delivering, F. v. Bargen (Germany)
Discussion of the presentations/relevant experiences of Member States (MS)

- Member States (MS) are intensively engaged to implement a mandatory inspection.
- France considers a more central administration, whereas Spain delegates the responsibility to the regions. In both Member States the inspection is (or will be) conducted by approved inspection workshops, while the general government reserves for the control- and monitoring responsibilities.
- The boom sprayers and air assisted sprayers are in the central focus of inspection.
- How the exemptions (different timetables and inspection intervals) according article 8.3 will be applied by the MS, is currently inexplicit.
- The mutual recognition of the inspection between MS is to date not relevant.
- As a replacement for the missing harmonized norms, the EN 13790 is recommended for temporary use.
- Quality measurements (audits …) have to be developed.
- The participation of farmer/grower should be guaranteed during the inspection process in order to increase the benefit of the action
- In the case of “minor defects” and “brand new pesticide application equipment (PAE)” a special coordination is needed.
- Mandatory training course for inspectors should be harmonized among the EU members.
- Differences on training system lead to differences on inspection procedure/level/exigencies, with great consequences for the user.
- Differences on inspection procedure, equipment, training,… should be avoided among different regions of EU members.

Implementation of a technical working group for developing a common proposal

- How to deal with minor defects?   No clear position.
- How to deal with brand new PAE? No clear position.
- It is recommended to implement a technical working group (TWG) for developing common proposals (minor defects, brand new sprayers).
Fourth European Workshop on
Standardized Procedure for the Inspection of Sprayers in Europe
-SPISE 4-
27 to 29 March 2012 – Lana (Italy)

Session 1:
Many thanks for Your Attention

H. Ganzelmeier & E. Gil