Definition of a common risk assessment procedure for Pesticide Application Equipment (PAE) to be exempted from the inspection

Chairmen: B. Huyghebaert and N. Bjugstad
1. Brief reminder – Article 8/3

§3. By way of derogation from paragraphs 1 and 2 and, following a risk assessment for human health and the environment including an assessment of the scale of the use of the equipment, Member States may:

a) apply different timetables and inspection intervals to pesticide application equipment not used for spraying pesticides, to handheld pesticide application equipment or knapsack sprayers and to additional pesticide application equipment, which shall be listed in the national action plan foreseen in Article 4, that represent a very low scale of use.

b) exempt from inspection handheld pesticide application equipment or knapsack sprayers. In this case the Member States shall ensure that operators have been informed on the need to change regularly the accessories, on the specific risks linked to that equipment, and that operators are trained for the proper use of that application equipment in accordance with Article 5.

The derogation consists into:

a) Change timetable/intervals of inspection
b) Exempt from inspection

The main idea is possibility to derogate from the sprayer inspection. BUT, the derogation:

1. concerns only certain PAE
2. may be applied under certain conditions (Risk Assessment, scale of use)
1. Brief reminder – Article 8/3

SPISE 3 – 2009 - Brno

1. Article 8/3 is very important regarding the large scope of the SUD
2. Only a few standardized inspection protocols were available (boom and orchard/vineyard sprayers)
3. Standardization is a (very) long process
4. Deadlines (2016) are very short

→ SPISE community decided to work on these issues:
  Risk assessment and Scale of use
1. **Brief reminder – Article 8/3**

**SPISE 4 – 2012 - Lana**

1. Concept of Risk Assessment has been clarified (Huyghebaert and Bjugstad, 2012)
2. First approach of RA for Human Health and the Environment related to the PAE has been proposed (Ganzelmeier, 2012)
3. First classification of the PAE covered by the SUD has been proposed (Ganzelmeier and Gil, 2012)
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<tr>
<th></th>
<th>Pesticide Appl. Equipment (PAE)</th>
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<tbody>
<tr>
<td>1)</td>
<td>used for spraying incl. fogging</td>
<td>2)</td>
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<td>3)</td>
<td>&amp; hand-operated PAE</td>
<td>4)</td>
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<td>5)</td>
<td>PAE handheld &amp;</td>
<td>6)</td>
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<td>7)</td>
<td>Additional PAE (boom &lt; 3m)</td>
<td>8)</td>
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<td>9)</td>
<td>Additional PAE: train, aircraft, boom &gt;3m</td>
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Different timetables, intervals, very low scale; acc. Article 3(a)
Exempt from Inspection /3(b)
No low scale/3(a)
1. Brief reminder – Article 8/3

SPISE 5 – 2014 - Montpellier

1. Report of the National Action Plan (NAP) and the taking into account of the Risk Assessment (Huyghebaert and Bjugstad, 2014)
2. Common Risk Assessment procedure base on the Zürich-methodology has been proposed (Wegener, 2014)

→ SPISE community decided to develop a SPISE Advice
2. Current state – Article 8/3

SPISE 6 – 2016 - Barcelona

1. International enquiry has been realized in 2015 throughout the SPISE community (ILVO and CRA-w, BE)

2. Belgian project SIRA-APESTICON 2015-2016 (consortium ILVO and CRA-w) is developing and validating a Risk Assessment protocol according to the SUD

3. SPISE advice on a Common Risk Assessment (Analysis?) procedure is almost finalized and soon available (Wegener, 2016)
3. **Risk Analysis - reminder**

RISK related to a hazard = SEVERITY OF HARM resulting from the hazard × PROBABILITY OF OCCURRENCE of that harm

1. Human health
2. Environment

1. Exposure
2. Occurrence

**SCALE OF USE**
3. **Risk Assessment - reminder**

- START
- Determination of the limits of the machinery
- Hazards identification
- Risk estimation
- Risk evaluation
- Risk reduction?

**Source**: ISO 12100
4. **Common Risk Assessment procedure**

1. Common procedure is important even the results of the Risk Assessment will be different according to the MS singularities

2. Risk Assessment procedure would be the basic tool:
   a) To determine possible derogation to the SUD
   b) To validate existing inspection protocol (EN 16122 series)
   c) To develop adequate new inspection protocol
5. **Session 2 presentations**

1. **J. K. Wegener**: Suggestion for an European approach for risk assessment for Pesticide Application Equipment to be exempted from inspection according to article 8(3) of SUD.

   - **Original approach to develop a Risk Analysis**:
     - Based on Zürich methodology
     - Applicable on EU level by each MS


3. **D. Nuyttens**: Inventory of application equipment used in Belgium — a practical approach

   - **Original approach to develop a Risk Assessment**: Developed for Belgium but extendable to other EU MS
   - **Original approach to determine the Scale of use**: Developed for Belgium but extendable to other EU MS
   - **Improvement of the SPISE Advice**