Establishment of a picture gallery regarding training material for inspectors and using it during the testing procedure of pesticide application equipment in horticulture

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Within a system of approved inspection workshops personal must be well trained in order to conduct the inspection according to technical requirements. The task of SPISE should be to harmonize the training of the inspectors in the EU. In this connection the SPISE Working Group 5 is in charge with the preparation of some training material and to offer a picture gallery on the SPISE website.

For this purpose during the last months some course material and information regarding training of inspection personal was collected from several countries.

In the meantime the collected material is published on the SPISE website.

http://spise.jki.bund.de/index.php?menuid=33

It comprises documents in Croatian, Czech, English, German, Italian, Portuguese, Romanian and Spanish language. All this material is prepared for downloading. Due to copyrights each single picture and document is assigned with a copyright mark. In every case customers of that training material may contact the owner of the corresponding document to clarify if an adoption (free or chargeable) could be possible.

The material offers information to all course contents. There are documents which deals with the general knowledge on sprayers and knowledge in spraying including nozzle choice advising. Furthermore material which deals with the general introduction on inspection of sprayers in use is prepared for downloading. Many documents deal with the inspection procedure itself as well as the inspection sites. Also for the test equipment and the calibration of test equipment some information is available. Examples of the training programs and the examinations complement the offered material.

The benefit of such tool shall be illustrated by the example of the testing procedure of PAE in horticulture is totally different compared to field sprayers or mist blowers. The materials downloadable on the JKI website will help the workshop stuff to be well prepared for testing such equipment. Especially points like pump capacity (fig. 1), cross distribution (fig. 2), etc. needs a special way of testing. With a picture gallery of the specific parts used in practice and slides of good/bad examples should guarantee a harmonized testing of such equipment. In addition a guideline booklet related to that kind of PAE can be used for advising services to explain the gardeners the need of an inspection of the PPE or what is mandatory to be installed on the application equipment.
...2.1 K – Pump capacity

The pump capacity shall be suited to the needs of the equipment. (short injection nozzles min. 2 bar; long injection nozzles min. 4 bar) Reason: The supply by central pump, which provides several spray devices.

Fig. 1. Special advice for measuring the pump capacity of semi mobile sprayer.

9.8 K – single nozzle output

The deviation of the flow rate of each nozzle of the same type and size shall not exceed ± 15% of the nominal flow rate indicated by the nozzle manufacturer for the maximum working pressure given by the nozzle manufacturer.

Fig. 2. Measuring the flow rates of single nozzles for evaluation of the cross distribution.