

National legislation and administrative procedure/ bureaucracy

Articles 50 and 51 of the Law on plant protection products are related to inspection of equipment in use. Article 51 is prescribed that equipment for the application of PPP's that are used and placed on the market must be subjected to control testing and visibly marked label.

But, the system of regular inspection is not implemented yet.

The USAID Agribusiness Project provided funds for provision of two training for mechanical engineers from Agriculture stations and Schools of Agriculture for inspection of pesticide application equipment in use (one in December 2010 and one in February 2011). Training was prepared by the two Faculties of Agriculture from Novi Sad and Belgrade, like future two central institutions responsible for performing inspections of new equipment and improvement and control of inspection of pesticide application equipment in use.

In relation to the system of inspection of equipment, the Plant Protection Directorate of the Ministry of Agriculture, Forestry and Water Management is competent to:

- Conduct training program of persons for performing inspection of equipment already in use and issue certificate for that
- Keeps records of certified persons for inspection of equipment already in use;
- Issue a label for marking equipment already in use which passed inspection and deliver labels to the Central bodies;
- Collect the data on performed inspection of equipment already in use;
- Supervise Central bodies, (Agricultural services and Agricultural technical schools) which perform inspection of equipment already in use in the field.



Faculties of Agriculture

Two faculties of Agriculture in Belgrade-Zemun and Novi Sad, with departments for agricultural machinery, are central units for inspection of equipment.

These two faculties present Central bodies for inspection of equipment, and are responsible to:

- Conduct training related to performing control testing of the equipment already in use, in accordance with a training program set by the PPD;
- Issue a label for marking equipment which passed inspection and deliver labels to the Agricultural services and Agricultural technical schools;
- Keep records on control testing of the equipment already in use that has been performed by an Agricultural services and Agricultural technical schools and submit records to the PPD quarterly;
- Perform verification of the certificate on the functionality of the application equipment issued by Agricultural services and Agricultural technical schools.

Agricultural services and Agricultural schools

Serbia has 33 Agricultural services which perform many activities in area of agriculture including phytosanitary issues (surveillance in area of plant health, data collection in area of PPP's).

Because they work closely with farmers and distributors (in the field) they will perform initial and additional training of end users and distributors.

Only four Agricultural services have engineers of agriculture machinery, and four of them are in process of recruiting engineers of agriculture machinery. Because of that additional engineers of agriculture machinery will be included from 25 secondary technical agricultural schools for implementing those two programmes (education distributors and end users and inspection of equipment).

In the system for inspection equipment Agricultural services and Agricultural technical school will:

- Perform control testing of the application equipment and issue a confirmation of functionality of the equipment already in use;
- Keep records on control testing of the equipment already in use which perform it.

Calibration and adjustment of sprayer

According to the provisions of the Directive 2009/128/EC the new Law on plant protection products prescribed that all end users (farmers, distributors and advisors must have appropriate training by bodies designated by the Ministry of Agriculture, Forestry and Water Management (MAFWM). This training must include both initial and additional training to acquire and update knowledge as appropriate. The new Law prescribed that plant protection products must be used in accordance with the principles of good agricultural practice and integrated pest management and that application equipment in professional use shall be subject to inspections at regular intervals.



The first activities in area of education of end users (farmers) started in 2005 through the technical and scientific support of the United States Department for Agriculture (USDA). This support indicated the need to create the Manual for end users, trainings of trainers (in Agricultural services) and initial training of farmers for safety and environmentally use of PPP's, and this has been addressed through a support realised in 2007. Like continuation of those activities the USAID Agribusiness Project supported additional trainings of trainers and education program for farmers in March 2009 and June 2011, and resulted in creation of pull of more than 3000 educated farmers that represent initial and critical mass for proper establishment of that system.

In June 2011, that training system was estimated under activities of the IPA 2008 Twinning project "Harmonisation of national legislation with EU legislation for placing on the market and control of Plant Protection Products and implementation of new legal provisions". The project was recommended that the programme to train operators may wish to review the content to ensure it covers all of the requirements specified in Annex I to the Directive 2009/128/EC and sets a sufficiently challenging standard for those being trained.

One part of education of end users trainings related to the calibration and adjustment of sprayers (practically).

Information regarding the course plan


Twining Project “Implementation of sustainable use of plant protection products and establishing systems for regular technical inspection of pesticide application equipment” has one component related to the **System of inspection of plant protection application equipment is established¹**

Result 4. System of inspection of plant protection application equipment is established¹

Indicators for result 4:

- Manuals for handling of measuring instruments for inspection of equipment are prepared
- Number of trainings “inspectors” for equipment
- Number of issued certificates on the functionality and labels for marking of equipment
- Annual plan for inspection of equipment is published on official webpage

Activities related to result 4

- 4.1. Development of procedures, guidelines and manuals for inspecting application equipment including manuals for handling of measuring instruments for inspection of equipment already in use.
- 4.2. Training of equipment inspectors  faculties, Agricultural services and Agricultural schools.
- 4.3. Inspection of equipment study visits in
- 4.4. Develop of content and making of certificate on the functionality, labels for marking of equipment and records on issued labels
- 4.5. Creating of annual plans for inspection of equipment and controls of performed inspections including their announcement
- 4.6. Support of the MAFWM for adequate implementation of supply component

¹ Result 4 is directly linked with implementation of supply contract as envisaged in the IPA I 2012 programme and Sector Fiche for Agriculture and Rural Development. Supply contract, which will be announced in August 2013, will provide the necessary mobile measuring instruments for inspection of equipment.