European standards on machinery for pesticide application

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Machinery directive amendment

- Scope
- European available standards
- State of play in developing new European standards
- Essential requirements for pesticide application machinery
Recall of the scope

Definition according to document COM(2008) 535 final (5.9.2008) - Section 2.4 - Annex 1

• Machinery intended for pesticide application both for professional and consumer use
  - self-propelled machinery
  - towed vehicle-mounted and semi mounted machinery
  - airborne machinery
  - stationary machinery

• It also includes
  - powered portable and handheld machinery
  - manually-operated portable and handheld machinery with a pressure chamber

• It does not include
  - manually-operated portable and handheld machinery without a pressure chamber
  - simple application equipment without moving parts
Comments

• **Most commonly used sprayers are in the scope**
  Self-propelled, trailed and mounted sprayers are the most commonly used sprayers

• **Knapsack sprayers**
  - In the case of knapsack sprayers, the impact on the environment is mostly due to the user and not to the design of the machine.
  - Should manually operated sprayers be in the scope?

Definition of a machinery according to the Machinery Directive 2006/42/EC of 17 May 2006

= assembly fitted with or intended to be fitted with a drive system other than directly applied human or animal effort…

- If manually operated sprayers should be included
  Manually operated sprayers without a pressure chamber but with maintained pressure should be included
Scope

Hand operated sprayers without pressurized tank

Should be in the scope

Should not be in the scope
Available standards

• Mounted, semi-mounted or trailed sprayers and self-propelled sprayers
  = the most commonly used sprayers
    → EN 12 761 September 2001
    Sprayers and liquid fertilizer distributors- Environmental protection
    Part 1: General
    Part 2: Field crop sprayers
    Part 3: Air assisted sprayers for bush and tree crops

• Aircraft and train sprayers
  No standard available
Available standards

- **Handheld or portable sprayers with integrated engine**
  No standard available

- **Hand operated sprayers with or without pressurized tank**
  - No European standard
  - ISO standard available (ISO 19 9332)

- **Other types of pesticide application equipment (granule applicators, dusters...)**
  No standard available
State of play

- **Revision of EN 12 761**
  Mounted, semi-mounted or trailed sprayers and self-propelled sprayers
  - New project started (preliminary stage)
  - Decision taken at the last TC 144 meeting in November 2008
  - This project will be conducted in parallel with the revision of EN 13 790 - inspection of sprayers in use (Framework directive on sustainable use of pesticides)

- **Other types of equipment**
  - Complementary standards or extension of EN 12 761 scope
  - To be discussed when the CEN gets a mandate from the Commission
  - Lower priority to be given to the equipments that have an impact on the environment mostly due to the user
Section 2.4 – Annex 1

• Essential requirements in line with the EN 12 761 Part 1
  Sprayers and liquid fertilizer distributors- Environmental protection
  Part 1: General
• **Scope**
  - covers the most commonly used types sprayers (self propelled, trailed and mounted sprayers)
  - need for clarification on manually operated sprayers

• **European available standards**
  - EN 12 761 for self propelled, trailed and mounted sprayers
  - No European standard available for the other types of sprayers

• **New European standards**
  - Revision of EN 12 761 already decided
  - New standards to be developed for the other types of pesticide application equipment, which might need a lot of work

• **Essential requirements**
  In line with EN 12 761 Part 1