

Applicant:

Place, date:

Official in charge:

Phone:

Julius Kühn-Institut (JKI)
Bundesforschungsanstalt für Kulturpflanzen
Institut für Anwendungstechnik im
Pflanzenschutz
Messeweg 11/12
D - 38104 Braunschweig

Application for testing the following plant protection equipment regarding the requirements of

1. §16 PflSchG
Survey of documents¹⁾
Visual inspection²⁾
2. the “JKI-Approval of plant protection equipment”
Renewed approval³⁾
Transfer of approval⁴⁾
3. the descriptive list following §52 PflSchG
Drift reduction⁵⁾
Loss-reducing equipment⁶⁾
4. I agree to the publishing of the matter of fact that the following plant protection equipment is under test.

Manufacturer:

Designation⁷⁾ of equipment:

Version⁸⁾:

Type of equipment⁹⁾:

Design¹⁰⁾:

Use intended in the following areas¹¹⁾:

Enclosures:

- Instruction manual (1 copie)
- Description of the type of equipment
- Picture of the machine
- Certificate about the technical safety of the machine with regard to prevention of accidents¹²⁾
- Certificate of adherence to Road Licencing Regulations
- List of equipment versions to be registered as loss-reducing techniques¹³⁾

The applicant has the right of disposal of the equipment. With the delivery of the equipment, he assumes legal liability for any damage which may occur during the transport and testing of the equipment and which has not been caused by the JKI or persons empowered by it by intention or gross neglect.¹⁴⁾

The applicant acknowledges the JKI's provisions and current fees for the testing of plant protection equipment.¹⁵⁾

The applicant agrees to the sending of documents as well as inspection reports to JKI and vice versa via email. Furthermore he is aware of the fact that confidentiality cannot be assured during testing, if other parties are present.

Firm's stamp

Signature

Please note remarks on the backpage.

JKI-AT 61-01/5 (01/2014)

Notes

- 1) The survey of documents does not include a technical inspection of the plant protection equipment.
- 2) Alongside the survey of documents a visual inspection of the plant protection equipment will take place. Technical measures are not included.
- 3) The “JKI-Approval of plant protection equipment” has a duration of five years. It can be extended upon request.
- 4) If acknowledgement (of some plant protection equipment) is to be transferred, a statement by the holder of the recognition saying that he agrees to the transfer must be enclosed.
- 5) Drift reducing equipment: Upon consultation with the JKI, the applicant has to supply certain test results proving that drift during spraying is reduced. With equipment registered in that list, smaller buffer zones must be kept while spraying. Following equipment can be tested regarding drift reduction and listed in the descriptive list according to §52 PflSchG: field crop sprayers as well as sprayers for orchards, vineyards and hop, seed drills for maize and cereals, granules applicators. Plant protection equipment which applies for the register of loss reducing equipment needs to be successfully tested in the approval procedure beforehand. The JKI decides on the listing.
- 6) Loss reducing equipment: for the proof of loss reduction the applicant needs to provide relevant trial results according to prior agreement with the JKI. The amount of loss reduction can also be determined during the JKI – Approval procedure which is also a precondition for the listing. The JKI decides on the listing.
- 7) Please name the type of equipment as written on the type plaque, or as entered in the official plant protection equipment list, if it is plant protection equipment in the letter of the law.
- 8) If there is a matrix of the equipment type in question, please enter only the name of the particular version. Otherwise please describe the equipment in detail. If equipment parts are the matter in question, no information is required.
- 9) Please choose from the following list:

Field crop sprayers	Pump
Vineyard, orchard and hop sprayers	Nozzles
Portable, manual-powered sprayer	Sprayer boom
Portable, motor-powered sprayer	Hose
Seed dressing machine	Pressure gauge
Granules applicator	Recycling facility
Fogger	Vine spray boom
Fumigator	Devices for rodent control
Brushing equipment	Forest protection equipment
Other sprayer	Warning device/recorder
Other plant protection equipment	Spraying monitor
Horizontal distribution controls	Constant flow control
Pressure controls	seed drill
Flow controls	
Controls of horizontal distribution, pressure and flow	
- 10) Please choose (information on) the design/version from the following two lists (one term from either list):

Design/version:	Technique:
Attached equipment	Broadcast treatment
Mounted equipment	Band/row treatment
Trailed equipment	Punctual treatment
Self-propelled machine	Continuous
Knapsack equipment	Stepwise
Shoulder-portable equipment	Wet seed-dressing machine
Hand-held equipment	Dry seed-dressing machine
Stationary	Seed coater
Cart sprayer	Hot fogger
Other equipment	Cold fogger
	Other technique
- 11) Please choose area(s) of use from the following list:

Field crops	Grassland
Tree nurseries	Specialty crops
Forests	Storage protection
Vegetable crops	Wine-growing
Hop-growing	Glasshouse crops
Non-cultured land	Ornamentals
Fruit-growing	Seed treatment
- 12) Such a certificate is issued by a competent body under the Act on Technical Instruments of Labour (usually, Spitzenverband der landwirtschaftlichen Sozialversicherung, Bereich Prävention, Weißensteinstr. 70 - 72, 34131 Kassel).

- 13) All versions equipped with a proven loss-reducing facility may be entered, even when the complete equipment was not tested, but only the loss-reducing facility in question. The eventual decision about entry in the register lies with the JKI.
- 14) We recommend the applicant to insure the equipment for the duration of testing and transport against damage of all kind.

- 15) All tests are based on following standards and directives:

JKI-Richtlinie 2-1.0 Zusätzliche Anforderungen an Pflanzenschutzgeräte im Geräteanerkennungsverfahren

ISO 16119-1:2013 Agricultural and forestry machinery – Environmental requirements for sprayers - General.

ISO 16119-2:2013 Agricultural and forestry machinery – Environmental requirements for sprayers – Horizontal boom sprayers.

ISO 16119-3:2013 Agricultural and forestry machinery – Environmental requirements for sprayers – Sprayers for bush and tree crops.

ISO 4409:2007-04 Hydraulik fluid power – Positive-displacement pumps, motors and integral transmissions – Methods of testing and presenting basic steady state performance.

ISO 5682-1: 2017-05 Equipment for crop protection – Spraying equipment – Test methods for sprayer nozzles.

ISO 5682-2: 2017-05 Equipment for crop protection – Spraying equipment – Test methods for hydraulic sprayers.

ISO 5682-3: 2017-05 Equipment for crop protection – Spraying equipment – Test method for volume/hectare adjustment systems.

DIN ISO 13440:1999 Landmaschinen und Traktoren – Pflanzenschutzgeräte – Ermittlung der Restmenge.

JKI-Richtlinie 7-1.7 Richtlinie für die Prüfung von Pumpen für den Pflanzenschutz. (Rev. 4/2013)

JKI-Richtlinie 7-1.1 Richtlinie für die Rührwerksprüfung. (Rev. 4/2013)

ISO 10625: 2007-02 Equipment for crop protection – Sprayer nozzles – Colour coding for identification.

ISO 10626: 1999-11 Equipment for crop protection – Sprayers – Connecting dimensions for nozzles with bayonet fixing.

ISO 10988: 2011-07 Equipment for crop protection – Knapsack motorized air-assisted sprayers - Test methods and performance limits.

ISO 12809: 2011-08 Crop protection equipment – Reciprocating positive displacement pumps and centrifugal pumps – Test methods.

ISO 19932-2: 2006-03 Equipment for crop protection – Knapsack sprayers Part 2: Performance limits.

ISO 22368 1-3: 2004-03 Crop protection equipment Test methods for evaluating of cleaning systems.

ISO 22856: 2008-11 Equipment for crop protection – Methods for the laboratory measurement of spray drift – Wind tunnels.

ISO 22866: 2005-06 Equipment for crop protection – Methods for field measurement of spray drift.

ISO 9357: 1990-06 Equipment for crop protection – Agricultural sprayers – Tank nominal volume and filling hole diameter.