The Kingdom of Belgium

FEDERAL AGENCY FOR THE SAFETY OF THE FOOD CHAIN

Royal Decree amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

PHILIPPE, King of the Belgians,

To all present, and those to come, greetings.

Having regard to Article 108 of the Constitution;

Having regard to the Law of 21 December 1998 on product standards aimed at promoting sustainable production and consumption practices and protecting the environment, health and workers, Article 5(2), first subparagraph, points 1, 2 and 6, as amended by the Law of 27 July 2011;

Having regard to the Law of 4 February 2000 creating the Federal Agency for the Safety of the Food Chain, Article 4(3), points 2 and 4 and Article 5, first subparagraph;

Having regard to the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain, Article 5(1) and (2);

Having regard to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain;

Having regard to the Royal Decree of 28 February 2023 amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain;

Having regard to the Royal Decree of XXXX amending the Royal Decree of 19 March 2013 on achieving a sustainable use of plant protection products and adjuvants;

Having regard to the Opinion of the Advisory Committee of the Federal Agency for the Safety of the Food Chain, issued on 26 March 2025;

Having regard to the opinion of the Inspector of Finance, issued on XXX;

Having regard to the consultation between the regional governments and the federal authority of XXX;

Having regard to the agreement of the Minister for the Budget, issued on XXX;

Having regard to the communication to the European Commission dated XXX, pursuant to Article 5 of Directive 2015/1535/EU of the European Parliament and of the Council of 9 September 2015 laying down a procedure for the provision of information in the field of technical standards and regulations and of rules on Information Society services;

Having regard to the regulatory impact analysis conducted in accordance with Articles 6(1) and 7(1) of the Law of 15 December 2013 on various provisions relating to administrative simplification;

Having regard to Opinion No xx.xxx/x of the Council of State, issued on XX XXXXX 20XX, pursuant to Article 84(1), first subparagraph, point 2., of the Laws on the Council of State, consolidated on 12 January 1973;

On the proposal of the Minister for Agriculture and the opinion of the Ministers who have deliberated it in the Council,

WE HAVE DECREED AND WE HEREBY DECREE:

Article 1. In Article 1 of the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the safety of the food chain, point 4 is repealed and replaced by:
'Sprayer: pesticide application equipment within the meaning of Article 3(4) of Directive 2009/128/EC establishing a framework for Community action to achieve the sustainable use of pesticides.'

Article 2. In Article 5 of the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain, Article 5(5) is replaced by the following:
'The owner of a sprayer shall notify the approved inspection body under their control within 7 working days of the discovery, loss, deterioration or disappearance of the self-adhesive sticker referred to in Article 6.'

Article 3. In Article 6(2) of the same Decree, a subparagraph is inserted between subparagraphs 1 and 2, reading as follows:
'The inspection authority may, in exceptional circumstances and on its own initiative, decide to issue the self-adhesive sticker to the owner in person or to send it by post. In this case, the owner is obliged to affix the sticker to the sprayer concerned within a period not exceeding 7 working days after receipt thereof.'

Article 4. The following amendments are made to Article 10 of the same Decree:

a) in paragraph 1, point 5, of the Decree, the words '1 500 machines per year' are replaced by the words '4 000 machines per 3-year cycle';
b) In paragraph (1) point 6(c), the words 'by 31 January' are replaced by the words 'by 15 May'.

Article 5. In Article 15(1), first subparagraph, of the same Decree, the following

amendments are made in the French version: the word ‘réalablement’ is replaced by the word ‘préalablement’, giving the English meaning ‘in advance’.

Article 6. In the same Decree, Annex 1, replaced by Annex 1 to the Royal Decree of 28 February 2023 amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain, is replaced by the Annex 1 appended to this Decree.

Article 7. In the same Decree, Annex 4 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain, is replaced by the Annex 2 appended to this Decree.

Article 9. In the same Decree, Annex 6, replaced by Annex 5 to the Royal Decree of 28 February 2023 amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain, is replaced by the Annex 4 appended to this Decree.

Article 10. This Decree shall enter into force on 1 January 2026.

Article 11. The Minister responsible for the Safety of the Food Chain is responsible for the implementation of this Decree.

Brussels,

PHILIPPE

By the King:

The Minister for Agriculture,

D. CLARINVAL

Annex 1 to the Royal Decree of @@@ amending Annex 1 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

'Annex 1 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

Annex 1: requirements to be met by sprayers

Part A.

Any non-conformity in relation to the inspection parameters listed below must be corrected within four months of delivery of the inspection report (= Defects to be rectified with reinspection [DRR]). Any non-conformity established in the previous three-year inspection in relation to the inspection parameters in Annex 1, Part B (= Defects to be Rectified for Next Cycle – DRPC) that have not been repaired must be remedied within four months of delivery of the inspection report.

1. Field sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Security of the attachment points of the spray boom to the chassis	A3	The attachment points of the spray boom to the chassis must not show any defects	Defects in attachment points, presence of breaks, multiple makeshift welds, etc.
Spray boom	Symmetry (except where this test parameter is not technically relevant) and general condition of the spray boom	D1	Inspection of symmetry of spray boom in relation to mounting points on the chassis, as well as its general condition	No left-right symmetry. The spray boom has multiple repair welds and/or is bent in various places (but does not exceed the curvature limits) and/or is fastened or retained with ropes, etc.
	Horizontal curvature	D3	Inspection of curvature in horizontal plane	Horizontal curvature > 50 cm
	Vertical curvature	D5	Inspection of curvature in vertical plane for spray boom ≤ 18 m long	Vertical curvature > 30 cm
	Vertical curvature	D7	Inspection of curvature in vertical plane for spray boom > 18 m long	Vertical curvature > 50 cm

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Pressure stability	Stability of spray pressure	G1	Check for rapid oscillations of the manometer needle that hinder pressure reading /torn air chamber membrane	Pressure cannot be read on the manometer (oscillating needle)
	Stability of spray pressure	G4	Check for rapid oscillations of the manometer needle that hinder pressure reading /defective pump	Pressure cannot be read on the manometer (oscillating needle)
Manometer[(1)]	Presence of a manometer	H1	Check for presence of a manometer	No manometer
	Operation of manometer	H4	Pressure deviations between working and reference manometers	Deviation > 10 % of the reference pressure
Pressure balance	Pressure balance between spray boom sections	I1	Pressure deviations between test manometers on spray boom sections and average spray pressure /sections of different length	A single pressure deviation > 10 % relative to average spray pressure
	Pressure balance between spray boom sections	I2	Pressure deviations between test manometers on spray boom sections and average spray pressure /supply pipes for sections of different length	A single pressure deviation > 10 % relative to average spray pressure
	Pressure balance between spray boom sections	I4	Pressure deviations between test manometers on spray boom sections and average spray pressure /problem in the pipes of ramp sections	A single pressure deviation > 10 % relative to average spray pressure
	Pressure balance between spray boom sections	I5	Pressure deviations between test manometers on spray boom sections and average spray pressure /defective seal in the distributor / defective distributor	A single pressure deviation > 10 % relative to average spray pressure
Flow rate of the nozzles	Homogeneity of the nozzles	L1	Check features of nozzles from which flow rate is measured	A single nozzle with different characteristics (make, type, size) than the other nozzles within the same nozzle set
	Flow rate of spraying nozzles - Flat nozzles (known reference)	L2	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 5 % relative to the nominal flow rate. Nozzles with individual wear of less than 2 % should not be left in place voluntarily during reinspection

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Flow rate of spraying nozzles **-** Flat nozzles (unknown reference)	L4	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5 % relative to the average flow rate
	Flow rate of spraying nozzles - Other types of nozzles (known reference)	L5	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 10% relative to the nominal flow rate. Nozzles with individual wear of less than 4 % should not be left in place voluntarily during reinspection
	Flow rate of spraying nozzles - Other types of nozzles (unknown reference)	L7	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5% relative to the average flow rate
Drift-reducing spraying technology	Type of nozzle fitted and/or equipment specific to the device	L8	Reduction of spray drift	The sprayer is used for outdoor spraying and is not fitted with spraying technology that reduces drift by at least 75 %.
Control system	Operation of control system	M2	Deviation between sprayed volume/hectare and set or programmed volume/hectare /incorrect adjustment of the spray pump (DPAm)	Deviation > 10 % relative to set or programmed volume/hectare
	Operation of control system	M3	Deviation between sprayed volume/hectare and set or programmed volume/hectare /incorrect calibration of speed/flow/pressure sensors (DPAE)	Deviation > 10% relative to set or programmed volume/hectare
	Partition block operation	M4	Inspection of the operation of the valves closing/opening the main sections	A single defective valve
	Operation of pressure control valve	M5	The operation of the pressure control valve is checked by varying the pressure at different levels (see H3 manometer) and closing and reopening the main valve. The speed of the PTO must be constant during the test.	Pressure cannot be varied within the pressure levels recommended by the manufacturer. Pressure deviation higher than 10 % after closing and reopening the main valve
Leaks	Detection of leaks	N1	Check for significant leaks during spraying (significant dynamic leaks)	Presence of significant dynamic leaks (> 30 ml/min spray liquid and/or oil)
	Detection of leaks	N5	Check for significant static leaks	Presence of significant static leaks (> 10 ml/min spray liquid and/or oil)
	Presence of an anti-drip system	N3	Presence of an anti-drip system	Absence of an anti-drip system
Pump	Pump operation	O	Detection of water in the oil tank of the pump (milky liquid)	Presence of water in the oil

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Non-compliance issues under Annex 1 part B that were non-compliant at the previous three-year inspection			

2. Orchard sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition of the fan	A3	Inspection of condition of the blades, deflectors and housing. Check operation of fan decoupling device if present.	Fan blades, deflectors and/or housing that are clearly damaged. Fan decoupling device that no longer functions correctly.
Discharge pipe	Deformation and symmetry	D1	Inspection of symmetry of discharge pipe for attachment points on chassis or tank and deformation thereof	No left-right symmetry and deformation of the discharge pipe > 5 cm
Pressure stability	Stability of spray pressure	G1	Check for rapid oscillations of the manometer needle that hinder pressure reading /torn air chamber membrane	Pressure cannot be read on the manometer (oscillating needle)
	Stability of spray pressure	G4	Check for rapid oscillations of the manometer needle that hinder pressure reading /defective pump	Pressure cannot be read on the manometer (oscillating needle)
Manometer(1)	Presence of a manometer	H1	Check for presence of a manometer	No manometer
	Operation of manometer	H4	Pressure deviations between working and reference manometers	Deviation > 10% of the reference pressure
Pressure balance	Pressure balance between sections of the discharge pipe	I1	Differences between average pressure of each section (test manometer on each nozzle holder) and average spray pressure /sections of different length	A single pressure deviation in a section > 10 % relative to the average spray pressure
	Pressure balance between sections of the discharge pipe	I2	Pressure differences between test manometers on discharge pipe sections and average spray pressure /supply pipes for sections of different length	A single pressure deviation in a section > 10 % relative to the average spray pressure
	Pressure balance between sections of the discharge pipe	I4	Pressure differences between test manometers on discharge pipe sections and average spray pressure /problem in the piping of sections of the discharge pipe	A single pressure deviation in a section > 10 % relative to the average spray pressure

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Pressure balance between sections of the discharge pipe	I5	Pressure differences between test manometers on discharge pipe sections and average spray pressure /defective seal in the distributor / defective distributor	A single pressure deviation in a section > 10 % relative to the average spray pressure
Flow rate of the nozzles	Homogeneity of the nozzles	L1	Check left/right homogeneity (type, size, make) of nozzles on discharge pipe	Symmetrically positioned nozzles with different properties
	Testing nozzles mounted on sprayer (reference unknown)	L3	Individual deviation too high relative to average flow rate	Individual deviation > 5% relative to the average flow rate
	Test of nozzles removed from the sprayer (only if significant deviations are identified) (reference known)	L5	Average deviation too high relative to the nominal flow rate	Average deviation > 5 % (flat nozzles) or > 10 % (vertebral nozzles) relative to nominal flow rate. Nozzles with individual wear of less than 2/4 % respectively should not be left in place voluntarily during reinspection
Drift-reducing spraying technology	Type of nozzle fitted and/or equipment specific to the device	L8	Reduction of spray drift	The sprayer is used for outdoor spraying and is not fitted with spraying technology that reduces drift by at least 75 %.
Nozzle holders	Condition of nozzle holders	M2	Pressure deviation in each nozzle holder relative to average spray pressure /nozzle holder defect	A single pressure deviation > 10 % relative to average spray pressure
Control system	Operation of control system	N2	Deviation between sprayed volume/hectare and set or programmed volume/hectare /incorrect adjustment of the spray pump (DPAm)	Deviation > 10% relative to set or programmed volume/hectare
	Operation of control system	N3	Deviation between sprayed volume/hectare and set or programmed volume/hectare /incorrect calibration of speed/flow/pressure sensors (DPAE)	Deviation > 10% relative to set or programmed volume/hectare
	Partition block operation	N4	Inspection of the operation of the valves closing/opening the main sections	A single defective valve
	Operation of pressure control valve	N5	The operation of the pressure control valve is checked by varying the pressure at different levels (see H3 manometer) and closing and reopening the main valve. The speed of the PTO must be constant during the test.	Pressure cannot be varied within the pressure levels recommended by the manufacturer. Pressure deviation higher than 10 % after closing and reopening the main valve
Leaks	Detection of leaks	O1	Check for significant leaks during spraying (significant dynamic leaks)	Presence of significant dynamic leaks (> 30 ml/min spray liquid and/or oil)
	Detection of leaks	O5	Check for significant static leaks	Presence of significant static leaks (> 10 ml/min spray liquid and/or oil)
	Presence of an anti-drip system	O3	Presence of an anti-drip system	Absence of an anti-drip system

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Pump	Pump operation	P	Detection of water in the oil tank of the pump (milky liquid)	Presence of water in the oil
	Non-compliance issues under Annex 1 part B that were non-compliant at the previous three-year inspection			

3. Boom sprayers for horticulture and floriculture

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition of the fan	A3	Inspection of condition of the blades, deflectors and housing. Check operation of fan decoupling device if present.	Fan blades, deflectors and/or housing that are clearly damaged. Fan decoupling device that no longer functions correctly.
Horizontal spray boom (or beams for vertical branches D1–D7)	Horizontal position and general condition of spray boom	D1	Examination of horizontality relative to the ground, as well as general state of maintenance	A height difference of more than 40 cm between each end of the spray boom, measured at rest. The boom has a number of welds, curvatures in several places (but which do not exceed the tolerances of points D2 to D7), is kept aligned with ropes, etc.
	Horizontal curvature	D3	Significant curvature	Horizontal curvature > 40 cm
	Vertical curvature	D5	For a spray boom ≤ 12 m long / significant curvature	Vertical curvature > 20 cm
		D7	For a spray boom > 12 m long / significant curvature	Vertical curvature > 40 cm
Vertical spray boom / branches	General condition of spray boom / branches	D1bis	Check general state of maintenance	The boom has a number of welds, curvatures in several places (but not exceeding the tolerances of points D2bis to D5bis), is kept aligned with ropes, etc.
Pressure stability	Stability of spray pressure	G1	Check for rapid oscillations of the manometer needle that hinder pressure reading /torn air chamber membrane	Pressure cannot be read on the manometer (oscillating needle)
	Stability of spray pressure	G4	Check for rapid oscillations of the manometer needle that hinder pressure reading /defective pump	Pressure cannot be read on the manometer (oscillating needle)
Manometer[(1)]	Presence of a manometer	H1	Check for presence of a manometer	No manometer
	Operation of manometer	H4	Pressure deviations between working and reference manometers	Deviation > 10% of the reference pressure
Pressure balance	Pressure balance between spray boom sections	I1	Pressure deviations between test manometers on spray boom sections and average spray pressure /sections of different length	A single pressure deviation > 10 % relative to average spray pressure
		I2	Pressure deviations between test manometers on spray boom sections and average spray pressure /supply pipes for sections of different length	A single pressure deviation > 10 % relative to average spray pressure

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
		I4	Pressure deviations between test manometers on spray boom sections and average spray pressure /problem in the pipes of ramp sections	A single pressure deviation > 10 % relative to average spray pressure
		I5	Pressure deviations between test manometers on spray boom sections and average spray pressure /defective seal in the distributor / defective distributor	A single pressure deviation > 10 % relative to average spray pressure
Flow rate of the nozzles	Homogeneity of the nozzles	L1	Check features of nozzles from which flow rate is measured	A single nozzle with different characteristics (make, type, size) than the other nozzles within the same nozzle set
	Flow rate of spraying nozzles - Flat nozzles (known reference)	L2	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 5% relative to the nominal flow rate. Nozzles with individual wear of up to 2 % should not be left in place voluntarily during reinspection
	Flow rate of spraying nozzles - Flat nozzles (unknown reference)	L4	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5% relative to the average flow rate
	Flow rate of spraying nozzles - Other types of nozzles (known reference)	L5	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 10% relative to the nominal flow rate. Nozzles with individual wear of up to 4 % should not be left in place voluntarily during reinspection
	Flow rate of spraying nozzles - Other types of nozzles (unknown reference)	L7	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5% relative to the average flow rate
Drift-reducing spraying technology	Type of nozzle fitted and/or equipment specific to the device	L8	Reduction of spray drift	The sprayer is used for outdoor spraying and is not fitted with spraying technology that reduces drift by at least 75 %.
Control system	Operation of control system	M3	Deviation between sprayed volume/hectare and set or programmed volume/hectare /incorrect calibration of speed/flow/pressure sensors (DPAE)	Deviation > 10% relative to set or programmed volume/hectare
	Partition block operation	M4	Inspection of the operation of the closing/opening valves	A single defective valve
	Operation of pressure control valve	M5	Check for a pressure control valve and, if so, whether it works correctly and reliably by spraying the machine at a number of reference pressure levels (see H Pressure Gauge) and by removing the main valve at a set spray pressure and reinstalling it at constant rotational speed.	* No pressure control valve *Pressure cannot be varied within a range of pressures at which the device is used. Deviation of more than 10 % from the pressure level originally set after closing and reopening the main valve.

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Leaks	Detection of leaks	N1	Check for significant leaks during spraying (significant dynamic leaks)	Presence of significant dynamic leaks (> 30 ml/min spray liquid and/or oil)
	Detection of leaks	N5	Check for significant static leaks	Presence of significant static leaks (> 10 ml/min spray liquid and/or oil)
	Presence of an anti-drip system	N3	Presence of an anti-drip system	Absence of an anti-drip system
Pump	Pump operation	O	Detection of water in the oil tank of the pump (milky liquid)	Presence of water in the oil
	Non-compliance issues under Annex 1 part B that were non-compliant at the previous three-year inspection			

4. Sprayers for soil disinfection

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Measuring devices	Presence of a measuring device on the sprayer: hydraulic or pneumatic manometer(s) and/or flow meter	F1	Check for presence of a manometer in hydraulic and/or pneumatic supply pipes and/or a flow meter in the hydraulic supply pipe	No measuring device on the device (neither manometer nor flow meter)
	Operation of hydraulic and pneumatic manometers (removed if possible)	F3	Pressure deviations between working and reference manometers	Deviation > 10% of the reference pressure
	Flow meter operation	F4	Flow meter operates poorly	Deviation > 10 % relative to measured flow
Individual flow rate of nozzles or injectors	Homogeneity of nozzles	G1	Check features of nozzles from which flow rate is measured	A single nozzle with different characteristics (make, type, size) than the other nozzles within the same nozzle set
	Flow rate of spraying nozzles - Flat nozzles (known reference)	G2	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 5% relative to the nominal flow rate.
	Flow rate of spraying nozzles - Flat nozzles (unknown reference)	G4	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5% relative to the average flow rate
	Flow rate of spraying nozzles - Other types of nozzles (known reference)	G5	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation > 10% relative to the nominal flow rate.
	Flow rate of spraying nozzles - Other types of nozzles (unknown reference)	G7	Deviation of the flow rate of inspected nozzles relative to a reference /individual deviation too high relative to the average flow rate	Individual deviation > 5% relative to the average flow rate
	Uniform flow rate of injectors	G8	/individual deviation too high relative to the average flow rate	Individual deviation > 10% relative to average flow rate
	Symmetrical flow rate of injectors	G9	/no left-right symmetry	Individual deviation >10 % relative to average flow rate of all symmetrically positioned injectors with the same properties
Control system	Operation of control system	H1	Difference between sprayed quantity/hectare and set or programmed quantity/hectare, poorly calibrated speed/flow/pressure speed/flow/pressure sensors (DPAe) or improperly adjusted spray pump (DPAm)	Deviation > 10% relative to set or programmed volume/hectare
	Partition block operation	H2	Inspection of the operation of the valves closing/opening the main sections	A single defective valve

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Operation of pressure control valve	H3	Check whether the pressure control valve is operating correctly and reliably by having the machine spray at a number of reference levels and then by closing the main valve at a given spray pressure and reopening it with the PTO at a constant speed of rotation.	Pressure cannot be varied within a range of pressures at which the device is used. Deviation of more than 10 % from the pressure level originally set after closing and reopening the main valve.
Leaks	Detection of leaks	I1	Check for significant leaks during spraying (significant dynamic leaks)	Presence of significant dynamic leaks (> 30 ml/min spray liquid and/or oil)
	Detection of leaks	I3	Check for significant static leaks	Presence of significant static leaks (> 10 ml/min spray liquid and/or oil)
	Non-compliance issues under Annex 1 part B that were non-compliant at the previous three-year inspection			

5. Nebulisers (LVM/ and UBLV cold nebulisers, gasoline thermonebulisers and electrofoggers, centrifugal compressed-air sprayers, seed treatment plants) and for all other nebulisers whose operation is based on the same principles

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Presence of protection for electrical components	A6	Control panel, cabling, cable connections and male plugs must be in good condition.	- Damaged cables and male plugs and faulty cable connections. - Control panel damaged, unprotected openings, etc. - Poor electrical repairs that are dangerous (e.g. tape)
	Condition of the earth contact for the appliance	A7	The earth contact must be in good condition.	- Metal parts not earthed - The resistance between the earth pin of the plug and the metal parts of the device must be 10 Ohm.
Nebulisation nozzle	Condition of the nebulisation nozzle/curvature	D1	Check curvature of the nebulisation nozzle	Flame not visible in nebulisation nozzle due to excessive curvature
	Condition of nebulisation nozzle/holes due to heat, cracks, breakage	D2	Inspection of the condition of the nebulisation nozzle	Presence of holes due to heat, cracks, breakage
Nebulisation flow rate	Homogeneity of nebulisation nozzles	H1	Check characteristics of nozzles with measured flow rate	A single nozzle with different characteristics (make, type, size) to other nozzles within the same nozzle set

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Control system	Operation of nebulisation start/stop	I2	Check operation of components used to start or stop nebulisation/cut-off valves and taps, switch	Malfunction of start/stop function (valve/switch malfunction)
	Operation of control system	I4	Check operation of control system/dosing valve (flow control)/pressure control valve	The dosing valve or pressure control valve does not work
	Operation of dosing setting	I8	Check operation of electric adjustment of dosing	Dosing adjustment does not work or is defective
	Operation of the thermal resistance	I9	Check operation of thermal resistance	The desired temperature is not reached
	Operation of temperature control system	I10	Check operation of temperature control system/spray temperature setting/temperature reading	The temperature adjustment does not work, is defective, or unreadable
	Operation of the overheating protection	I12	Check operation of overheating protection	The temperature continues to rise (> 700 °C) after the fan stops
Leaks	Leak detection	J1	Check for the presence of large leaks	Presence of large leaks (more than five drops per minute)
	All of the defects in Annex I part B identified during the previous three-year inspection that have not yet been repaired			

Part B.

Any non-conformity in relation to the test parameters listed below must be corrected before the next three-year inspection (= Defects to be rectified for next cycle [DRPC]).

1. Field sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition and operation of protection for power transmission elements such as cardan shafts, chains, etc., as well as moving parts	A2	This protection (universal joints, locking systems, etc.) must not display excessive wear, holes or deformations and must operate correctly	Defects and/or poor operation
Filters	Condition of basket and intake strainer*	C2	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of intake filter*	C4	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Pressure filter condition*	C6	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of section filter(s)* **only if a hydraulic problem is identified*	C7	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
Spray boom	Vertical curvature	D4	Inspection of curvature in vertical plane for a spray boom ≤ 18 m long / low curvature	15 cm < vertical curvature ≤ 30 cm
	Vertical curvature	D6	Inspection of curvature in vertical plane for a spray boom > 18 m long / minor curvature	25 cm < vertical curvature ≤ 50 cm
	Suspension system	D8	Check whether spray-boom returns to horizontal position / suspension too loose	No return in under three oscillations
	Suspension system	D9	Check whether spray-boom returns to horizontal position / suspension too tight	No return
	Spacing of nozzle holders	D10	Measurement of the spacing between nozzle holders	Deviation > 10 % of initial spacing
	Verticality of nozzle holders	D11	Inspection of verticality of nozzle holders /lack of maintenance	Deviation from the vertical position in one of the two directions exceeding 10° from the position originally planned at construction.
	Condition of protective devices of nozzles at the ends for spray booms with a working width ≥ 10 m	D14	Check condition of protection on nozzle ends	Defects in protection on nozzle ends
	Operation of hinges and ends of spray boom sections	D15	Inspection of behaviour of the spray boom and collapsible ends after loads	Significant play in hinges *collapsible ends do not return to working position *total play at both ends must not exceed 1.5 metres in the horizontal plane

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Adjustment of spray boom height	D16	Inspection of operation of the spray boom height adjustment system.	Defects in the spray boom height adjustment system as originally designed by the manufacturer.
	Condition of the system for locking the spray boom during transportation	D18	The spray boom must be able to be reliably locked during transportation	Defects in the system for locking the spray boom during transportation
Obstacles	Obstacles in the spray range	E1	Detection of foreign objects (string, pipes, etc.) in the spray jet/lack of maintenance	Presence of obstacles in the spray range
Pressure stability	Stability of spray pressure	G3	Check for rapid oscillations of the manometer needle that hinder pressure reading /aspiration of air	Pressure cannot be read on the manometer (oscillating needle)
Pressure balance	Pressure balance between spray boom sections	I3	Pressure deviations between test manometers on spray boom sections and average spray pressure / poorly operating filters on spray boom sections	A single pressure deviation > 10 % relative to average spray pressure
Compensatory return	Operation of compensatory return	J3	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /defects (clogging, etc.)	A single pressure deviation > 10 % of the reference pressure (start of section)
Pressure loss	Pressure loss in discharge pipe sections* ** only if the presence of a pressure loss is suspected*	K	Check for pressure losses within the spray boom sections	Pressure reduction > 10 % of reference pressure (start of section)
Flow rate of the nozzles	Flow rate of spraying nozzles **-** Flat nozzles (known reference)	L3	Deviation of the flow rate of inspected nozzles relative to a reference /average deviation within tolerances but individual deviation too high relative to nominal flow rate	Average deviation ≤ 5 % and a single individual deviation > 10 % relative to nominal flow rate
	Flow rate of spraying nozzles **-** Other types of nozzles (known reference)	L6	Deviation of the flow rate of inspected nozzles relative to a reference /too high an average deviation from the nominal flow rate	Average deviation ≤ 10 % and a single individual deviation > 15 % relative to nominal flow rate
Leaks	Detection of leaks	N2	Inspection for presence of minor dynamic leaks	Presence of minor dynamic leaks (≤ 30 ml/min spray liquid and/or oil)
	Detection of leaks	N6	Inspection for presence of minor static leaks	Presence of minor static leaks (≤ 10 ml/min) spray liquid and/or oil)
	Operation of anti-drip system	N4	Assessment of the extent of dripping from nozzles five seconds after spray jet has stopped	Presence of dripping from nozzles 5 sec after the jet stops

2. Orchard sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition and operation of protection for power transmission elements such as cardan shafts, chains, etc., as well as moving parts	A2	This protection (universal joints, locking systems, etc.) must not display excessive wear, holes or deformations and must operate correctly	Defects and/or poor operation
Filters	Condition of filter basket/intake strainer*	C2	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of intake filter*	C4	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Pressure filter condition*	C6	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of section filter(s)* * *only if a hydraulic problem is detected*	C7	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
Discharge pipe	Attachment of discharge pipe	D2	Examination of firmness of attachment of fastening pipe to tank	Attachment not firm
	Equal distances between nozzle holders	D3	Measure whether spacing between nozzle holders is symmetrical on left and right	Spacing difference (no left-right symmetry) > 3 cm
	Symmetry in position of nozzle holders	D4	Measurement of whether angles of nozzle holders are symmetrical left and right	Difference in angular position (no left-right symmetry) > 10°
Obstacles	Obstacles in spray range and fan airflow	E1	Detection of foreign objects (string, pipes, etc.) in the spray jet and fan airflow	Presence of obstacles in the spray jet and fan airflow/lack of maintenance
Pressure stability	Stability of spray pressure	G3	Check manometer needle for rapid oscillations that prevent pressure from being read /aspiration of air	Pressure cannot be read on the manometer (needle oscillating)
Pressure balance	Pressure balance between sections of the discharge pipe	I3	Pressure differences between test manometers on discharge pipe sections and average spray pressure / defective filters on discharge pipe sections	A single pressure deviation in a section > 10 % relative to average spray pressure
Compensatory return	Operation of compensatory return of discharge pipe sections	J3	Pressure deviation relative to initial pressure during sequential closure of discharge pipe sections /defects (dirt, etc.)	A single pressure deviation > 10 % relative to the initial spray pressure
Pressure loss	Pressure losses in discharge pipe sections* * *only if the presence of a pressure loss is suspected*	K	Inspection of pressure losses within discharge pipe sections	Pressure reduction > 10 % of reference pressure (start of section)
Flow rate of the nozzles	Testing nozzles mounted on sprayer (known reference)	L2	Average deviation within permitted limits but individual deviation too high relative to nominal flow rate	Average deviation ≤ 5 % (flat nozzles) or ≤ 10 % (vertebral nozzles) and individual deviation > 10 % (flat nozzles) or > 15 % (vertebral nozzles) relative to nominal flow rate.

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Test of nozzles removed from the sprayer (only if significant deviations are identified) (known reference)	L4	Average deviation within permitted limits but individual deviation too high relative to nominal flow rate	Average deviation ≤ 5 % (flat nozzles) or ≤ 10 % (vertebral nozzles) and individual deviation > 10 % (flat nozzles) or > 15 % (vertebral nozzles) relative to nominal flow rate.
Nozzle holders	Condition of nozzle holders	M1	Pressure deviation in each nozzle holder relative to average spray pressure /lack of maintenance, clogging, filters, Y	A single pressure deviation > 10 % relative to average spray pressure
Leaks	Detection of leaks	O2	Inspection for presence of minor dynamic leaks	Presence of minor dynamic leaks (≤ 30 ml/min spray liquid and/or oil)
	Detection of leaks	O6	Inspection for presence of minor static leaks	Presence of minor static leaks (≤ 10 ml/min) spray liquid and/or oil)
	Operation of anti-drip system	O4	Assessment of the extent of dripping from nozzles five seconds after spray jet has stopped	Presence of dripping from nozzles 5 sec after the jet stops

3. Boom sprayers for horticulture and floriculture

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition and operation of protection for power transmission elements such as cardan shafts, chains, etc., as well as moving parts	A2	This protection (universal joints, protective sleeve, locking systems, etc.) must not display excessive wear, holes or deformations and must operate correctly	Defects and/or clear signs of poor operation
Filters	Condition of filter basket/intake strainer*	C2	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of intake filter*	C4	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Pressure filter condition*	C6	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of section filter(s)* * *only if a hydraulic problem is detected*	C7	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
Horizontal spray boom (or beams for vertical branches D1–D7)	Vertical curvature	D4	Examination of curvature in vertical plane for spray boom ≤ 12 m long / low curvature	10 cm < vertical curvature ≤ 20 cm
		D6	Examination of curvature in vertical plane for spray boom > 12 m long / low curvature	20 cm < vertical curvature ≤ 40 cm
	Spacing of nozzle holders	D8	Measurement of the spacing between nozzle holders	Deviation > 10 % of initial spacing
	Verticality of nozzle holders	D9	Inspection of verticality of nozzle holders /lack of maintenance	Deviation from the vertical position in one of the two directions exceeding 10° from the position originally planned at construction.

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Operation of hinges and ends of spray boom sections	D11	Inspection of behaviour of the spray boom and collapsible ends after loads	Significant play in hinges *collapsible ends do not return to working position *total play at both ends must not exceed 1.5 metres in the horizontal plane
	Spray boom height adjustment	D12	Checking operation of the spray boom height adjustment system	Lack of ability to control the height of the spray boom
Vertical spray boom	Straightness of spray boom/branches	D2bis	Examination to establish whether the spray boom/branch is perpendicular to the sprayer platform in both the longitudinal and transverse axes.	Deviation from the perpendicular position exceeding 5° in one of the two axes /lack of maintenance
	Straightness of spraying nozzles	D4bis	Examination to check whether the nozzles are mounted perpendicular to the boom/section	Nozzle in non-perpendicular position /lack of maintenance
	Spacing of nozzle holders	D6bis	Measurement of the spacing between each nozzle holder	Deviation > 10 % of initial spacing
	Symmetrical distance between nozzles	D7bis	Measurement to establish whether the distance between nozzle holders on left and right in the sprayer branch configurations is symmetrical	Distance different by > 3 cm (no left-right symmetry)
	Symmetry in position of nozzle holders	D8bis	Measure whether angle of nozzle holders in the vertical plane in spray section configurations is symmetrical from left to right	Different distance (no left-right symmetry) > 10°
	Operation of hinges	D9bis	Inspection of behaviour of the spray boom and collapsible ends after loads	Significant play in hinges: spray boom does not return to working position
	Condition and operation of attachment points and width adjustment	D10bis	Behaviour after use	Play or defects (e.g. cracks) at the attachment points Width adjustment defective
	Spray boom height adjustment	D11bis	Checking operation of the spray boom height adjustment system	Defect in the spray boom height adjustment system.
Obstacles	Obstacles in the spray range	E1	Detection of foreign objects (string, pipes, etc.) in the spray jet/lack of maintenance	Presence of obstacles in the spray range
Pressure stability	Stability of spray pressure	G3	Check for rapid oscillations of the manometer needle that hinder pressure reading /aspiration of air	Pressure cannot be read on the manometer (oscillating needle)
	Stability of spray pressure	G5	Check pressure fluctuations when fluctuation can be read on the manometer	Pressure fluctuation > 10 % relative to average spray pressure

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Pressure balance	Pressure balance between spray boom sections	I3	Pressure deviations between test manometers on spray boom sections and average spray pressure / poorly operating filters on spray boom sections	A single pressure deviation > 10 % relative to average spray pressure
	Operation of compensatory return	J3	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /defects (clogging, etc.)	A single pressure deviation > 10 % of the reference pressure (start of section)
Compensatory return	Pressure loss in discharge pipe sections* * *only if the presence of a pressure loss is suspected*	K	Check for pressure losses within the spray boom sections	Pressure reduction > 10 % of reference pressure (start of section)
Pressure loss	Flow rate of spraying nozzles - Flat nozzles (known reference)	L3	Average deviation within tolerances but individual deviation too high relative to nominal flow rate	Average deviation ≤ 5 % and single individual deviation > 10 % relative to nominal flow rate
Flow rate of the nozzles	Flow rate of spraying nozzles **-** Other types of nozzles (known reference)	L6	Average deviation within tolerances but individual deviation too high relative to nominal flow rate	Average deviation ≤ 10 % and single deviation > 15 % relative to the nominal flow rate
Control system	Operation of control system	M2	Difference between concentration sprayed and concentration set Injection pump malfunction	Deviation > 10 % relative to concentration set
Leaks	Detection of leaks	N2	Inspection for presence of minor dynamic leaks	Presence of minor dynamic leaks (≤ 30 ml/min spray liquid and/or oil)
	Detection of leaks	N6	Inspection for presence of minor static leaks	Presence of minor static leaks (≤ 10 ml/min) spray liquid and/or oil)
	Operation of anti-drip system	N4	Assessment of the extent of dripping from nozzles five seconds after spray jet has stopped	Presence of dripping 5 sec after the jet stops

4. Sprayers for soil disinfection

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition and operation of protection for power transmission elements such as cardan shafts, chains, etc., as well as moving parts	A2	This protection (universal joints, locking systems, etc.) must not display excessive wear, holes or deformations and must operate correctly	Defects and/or poor operation

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Sprayer venting: Safety of sprayer venting and/or overpressure valve	A3	No overpressure valve and/or potentially dangerous spray tank venting	No overpressure valve and/or venting of the appliance can occur accidentally or in an unsafe manner.
Filters	Condition of filter on pressure pipe ((*only in case of hydraulic problems)*	C2	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of nozzle filters ((*only in case of hydraulic problems)*	C4	Inspection of condition and/or clogging of sieve	Defective and/or clogged sieve
	Condition of pneumatic filters (only in case of pneumatic problems)	C6	Inspection of condition and/or clogging of filter	Defective and/or clogged filter
Coulters	Uniformity of coulters	D1	Inspection for uniformity: symmetrical placement, coulter working depth, condition of coulters	No uniformity
	Protection of 'spray units' (nozzles, injectors, etc.)	D2	Inspection of extent of protection against damage and blockages.	No protection or insufficient protection
Pressure stability	Stability of spray pressure	E	Check constant pressure when spraying with partially filled tank	Fluctuation of pressure during spraying: pressure difference > 10 % when spraying for 1 minute.
Individual flow rate of nozzles or injectors	Flow rate of spraying nozzles **-** Flat nozzles (known reference)	G3	Average deviation within tolerances but individual deviation too high relative to nominal flow rate	Average deviation ≤ 5 % and a single individual deviation > 10 % relative to nominal flow rate
	Flow rate of spraying nozzles - Other types of nozzles (known reference)	G6	Average deviation within tolerances but individual deviation too high relative to nominal flow rate	Average deviation ≤ 10 % and a single individual deviation > 15 % relative to nominal flow rate
Leaks	Detection of leaks	I2	Inspection for presence of minor dynamic leaks	Presence of minor dynamic leaks (≤ 30 ml/min spray liquid and/or oil)
	Detection of leaks	I4	Inspection for presence of minor static leaks	Presence of minor static leaks (≤ 10 ml/min) spray liquid and/or oil)
Compressor	Operation of compressor	J	Check compressor operation	Compressor operates poorly (blocked filter, etc.)
Pump	Pump operation	K	Detection of pressure problems	Insufficient pump capacity, impossible to maintain working pressure or the prescribed flow rate.

5. Nebulisers (LVM/ and UBLV cold nebulisers, gasoline thermonebulisers and electrofoggers, centrifugal compressed-air sprayers, seed treatment plants) and for all other nebulisers whose operation is based on the same principles

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Condition and operation of protection for power transmission elements such as chains, belts, etc. as well as moving parts	A2	This protection (cowlings, locking systems, etc.) must not display excessive wear, holes or deformations and must operate correctly	Defects and/or poor operation
	Condition of the fan and of the start/stop function	A3	Check condition of blades, bearings (abnormal noise), deflection plates and housing. Check operation of start/stop function or of fan clutch if present.	Fan blades, deflectors and/or housing are clearly damaged. Malfunction of start/stop function or of activation system
	General condition of the pipes	A4	Inspection of pipes: twists, bends, embrittlement, bulging of pipe, holes, crushing, poor connections, etc.	The pipes are embrittled, badly repaired (adhesive tape), damaged, stretched, bent and/or too tightly curved
	Presence and condition of spray pipe heat protection	A5	Check for presence and condition of spray nozzle heat protection	Nozzle heat protection is absent, poorly attached or in poor condition
Tank	Presence of overpressure valve	B5	Check for presence of an overpressure valve	Absence of overpressure valve in the compressed air circuit
Filters	Condition of basket/intake strainer*	C2	Inspection of condition and/or clogging of sieve	Sieve damaged and/or clogged
	Condition of intake filter*	C4	Inspection of condition and/or clogging of sieve	Sieve damaged and/or clogged
	Condition of pressure filter*	C6	Inspection of condition and/or clogging of sieve	Sieve damaged and/or clogged
	Condition of air intake filter* **only if a hydraulic problem is detected*	C8	Inspection of condition and/or clogging of sieve	Sieve damaged and/or clogged
	Condition of nozzle filter(s)	C9	Inspection of condition and/or clogging of sieve	Sieve damaged and/or clogged
Nebulisation nozzle	Condition of nebulisation nozzle / clogging of nozzle	D3	Inspection of the condition of the nebulisation nozzle	Interior of clogged nozzle
Obstacles	Obstacles in the nebulisation spray	E1	Detection of foreign objects (string, pipes, etc.) in the nebulisation spray / lack of maintenance	Presence of obstacles in the nebulisation spray
Measuring instrument	Operation of hydraulic and pneumatic manometers (if they are removable)	G3	Pressure deviations between working and reference manometers	Deviation > 10 % reference pressure
	Flow meter operation	G4	Flow rate deviations between working and reference flow meters	Deviation > 10 % relative to the measured flow rate
Nebulisation flow rate	Condition of nebulisation nozzle(s) and deflectors	H2	Check condition of nebulisation nozzle(s) and deflectors	Nebulisation nozzle(s) or restriction plates clogged or damaged. Nebulisation deflectors damaged or clogged

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
	Size and dimensions of nebulisation spray	H3	Inspection of nebulisation spray	Nebulisation spray is irregular, large drops fall from the nebulisation nozzle
	Nebulisation flow rate	H4	Deviation of nebulisation flow rate too high relative to reference	Deviation > 25 % of actual nebulisation flow rate relative to defined flow rate
Control system	Operation of indicator lights	I3	Check operation of indicator lights on the device / indicator lights are not working or are not visible enough	Indicator lights not working or working improperly
	Operation of carburettor	I5	Check whether the carburettor can be set so that combustion can be adjusted	Carburettor regulation does not work
	Nebuliser start-up	I6	Inspection of nebuliser start-up	The nebuliser does not start up or starts with difficulty due to ignition, fuel supply, injection pump or compressor issues
	Combustion process in the nebuliser	I7	Combustion process	The flame leaves the combustion chamber (= risk of plant protection products burning) and/or the engine is not working correctly (e.g. blocked air aspiration membrane)
Leaks	Leak detection	J2	Inspection for the presence of minor leaks	Presence of minor leaks (fewer than five drops per minute)
Pump	Pump operation	K	Check pump working correctly	Defined pump flow rate deviates from actual measured pump flow rate by more than 10 %

Part C.

Any non-conformity in relation to the inspection parameters listed below (= Defects to be monitored [DO]) must be followed up to ensure correct operation and maintenance of the equipment.

1. Field sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Maintenance condition of sprayer	A1	Presence/absence of bits of string, wire, rust, etc.	Visible signs of poor maintenance
Level gauge	Presence/absence	B1	Presence/absence of level gauge	Absence of level gauge
	Readability	B2	Indication of the liquid level is assessed from the operator's position and the sprayer filling point	Liquid level in the tank not visible by means of the level gauge
Filters	Presence/absence of filter basket/intake strainer	C1	Presence/absence of filter basket/intake strainer	Absence of filter basket/intake strainer
	Presence/absence of intake filter	C3	Presence/absence of pump intake filter	Absence of intake filter
	Presence/absence of pump outlet filter	C5	Presence/absence of pump outlet filter	Absence of pump outlet filter

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Spray boom	Horizontal curvature	D2	Inspection of curvature in horizontal plane / low curvature	25 cm < horizontal curvature < 50 cm
	Verticality of nozzle holders	D12	Inspection of verticality of nozzle holders /relating to construction	Not vertical
	Presence/absence of protection for nozzle ends on spray booms with a working width ≥ 10 m	D13	Check for protection for nozzle ends on spray booms ≥ 10 m to avoid any damage to nozzles when the spray boom hits the ground	No protection device for nozzle ends
	Presence/absence of a system for locking the spray boom during transportation	D17	Check for a system for locking the spray boom during transportation	No system for locking the spray boom during transportation
Obstacles	Obstacles in the spray range	E2	Detection of obstacles (chassis, piping, etc.) in the spray jet/in connection with the construction	Presence of obstacles in the spray range
Stirring system	Stirring of liquid in tank	F	The intensity of the stirring in the main tank is checked during spraying with nozzles of the largest nozzle size present on the machine, at the maximum pressure level recommended by the manufacturer of the sprayer or nozzles	No stirring or insufficiently visually observable stirring
Pressure stability	Stability of spray pressure	G2	Check for rapid oscillations of the manometer needle that hinder pressure reading /incorrect pressure in the air chamber	Pressure cannot be read on the manometer (oscillating needle)
Manometer(1)	Readability of manometer	H2	Readability of scales from operator's position	Scale range > 0.2 bar and/or diameter < 63 mm
	Operation of manometer (mounted)	H3	Pressure differences between the working manometer mounted on the sprayer and the test manometer on the spray boom	Deviation > 10% of the reference pressure
Pressure balance	Nozzle holders	I6	Pressure deviation in each nozzle holder relative to average spray pressure / lack of maintenance (dirt, filters, etc.)	A single pressure deviation > 10 % relative to average spray pressure
Compensatory return	Operation of compensatory return	J1	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /absence	A single pressure deviation > 10 % of the reference pressure (start of section)
	Operation of compensatory return	J2	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /incorrect adjustment of return	A single pressure deviation > 10 % of the reference pressure (start of section)

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Control system	Accessibility and legibility of the measuring and control devices	M1	All measuring instruments (computer, pressure/flow indicators, etc.), as well as control system commands and cut-off valves of various spray boom sections must be accessible and/or visible from the operator’s position	One of the measuring instruments and/or one of the controls is not accessible and/or visible. (note: movement of the head and upper body is acceptable)

2. Orchard sprayers

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Maintenance condition of sprayer	A1	Presence/absence of bits of string, wire, rust, etc.	Visible signs of poor maintenance
Level gauge	Presence/absence	B1	Presence/absence of level gauge	Absence of level gauge
	Readability	B2	Indication of the liquid level is assessed from the operator's position and the sprayer filling point	Liquid level in the tank not visible by means of the level gauge
Filters	Presence/absence of filter basket when filling tank	C1	Presence/absence of filter basket when filling tank	Absence of filter basket/intake strainer
	Presence/absence of intake filter	C3	Presence/absence of pump intake filter	Absence of intake filter
	Presence/absence of pump outlet filter	C5	Presence/absence of pump outlet filter	Absence of pump outlet filter
Obstacles	Obstacles in spray range and fan airflow	E2	Detection of obstacles (chassis, piping, etc.) in the spray jet and in the fan airflow	Presence of obstacles in the spray jet and in the fan airflow/construction
Stirring system	Stirring of liquid in tank	F	The intensity of the stirring in the main tank is checked during spraying with nozzles of the largest nozzle size present on the machine, at the maximum pressure level recommended by the manufacturer of the sprayer or nozzles	No stirring or insufficiently visually observable stirring
Pressure stability	Stability of spray pressure	G2	Check for rapid oscillations of the manometer needle that hinder pressure reading /incorrect pressure in the air chamber	Pressure cannot be read on the manometer (oscillating needle)
Manometer(1)	Readability of manometer	H2	Readability of scales from operator's position	Scale range > 0.2 bar to 5 bar and/or > 1 bar to 20 bar and/or diameter of box < 63 mm
	Operation of manometer (mounted)	H3	Pressure differences between the working manometer mounted on the sprayer and the test manometer mounted on the discharge pipe	Deviation > 10% of the reference pressure
Compensatory return	Operation of compensatory return of discharge pipe sections	J1	Pressure deviation relative to initial pressure during sequential closure of discharge pipe sections /absence	A single pressure deviation > 10 % relative to the initial spray pressure
	Operation of compensatory return of discharge pipe sections	J2	Pressure deviation relative to initial pressure during sequential closure of discharge pipe sections /incorrect adjustment of return	A single pressure deviation > 10 % relative to the initial spray pressure

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Control system	Accessibility and legibility of the measuring and control devices	N1	All measuring instruments (computer, pressure/flow indicators, etc.), as well as control system commands and cut-off valves of various sections of the sprayer discharge pipe must be accessible and/or visible from the operator’s position	One of the measuring instruments and/or one of the controls is not accessible and/or visible. (note: movement of the head and upper body is acceptable)

3. Boom sprayers for horticulture and floriculture

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Maintenance condition of sprayer	A1	Presence/absence of bits of string, wire, rust, etc.	Visible signs of poor maintenance
Level gauge	Presence/absence	B1	Presence/absence of level gauge	Absence of level gauge
	Readability	B2	Indication of the liquid level is assessed from the operator's position and the sprayer filling point	Liquid level in the tank not visible by means of the level gauge
Filters	Presence/absence of filter basket/intake strainer	C1	Presence/absence of filter basket/intake strainer	Absence of filter basket/intake strainer
	Presence/absence of intake filter	C3	Presence/absence of pump intake filter	Absence of intake filter
	Presence/absence of pump outlet filter	C5	Presence/absence of pump outlet filter	Absence of pump outlet filter
Horizontal spray boom (or beams for vertical branches D1–D7)	Horizontal curvature	D2	Inspection of curvature in horizontal plane /low curvature	20 cm < horizontal curvature ≤ 40 cm
	Verticality of nozzle holders	D10	Inspection of verticality of nozzle holders /to construction	Not vertical
Vertical spray boom	Straightness of spray boom/branches	D3bis	Examination to establish whether the spray boom/branch is perpendicular to the sprayer platform in both the longitudinal and transverse axes.	Deviation from the perpendicular position exceeding 5° in one of the two axes /construction error
	Straightness of spraying nozzles	D5bis	Examination to check whether the nozzles are mounted perpendicular to the boom/section	Nozzle in non-perpendicular position /construction error
Obstacles	Obstacles in the spray range	E2	Detection of obstacles (chassis, piping, etc.) in the spray jet/in connection with the construction	Presence of obstacles in the spray range
Stirring system	Stirring of liquid in tank	F	Intensity of stirring in the main tank is checked during spraying with nozzles of the largest nozzle size present on the machine, at the maximum pressure level recommended	No stirring or insufficiently visually observable stirring
Pressure stability	Stability of spray pressure	G2	Check for rapid oscillations of the manometer needle that hinder pressure reading /incorrect pressure in the air chamber	Pressure cannot be read on the manometer (oscillating needle)

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Manometer[1]	Readability of manometer	H2	Readability of scales from operator's position	Scale range > 0.2 bar up to 5 bar and/or > 1 bar up to 20 bar and/or diameter < 63 mm
	Operation of manometer (mounted)	H3	Pressure differences between the working manometer mounted on the sprayer and the test manometer on the spray boom	Deviation > 10% of the reference pressure
	Operation of compensatory return	J1	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /absence of compensatory regulation	A single pressure deviation > 10 % of the reference pressure (start of section)
Compensatory return	Operation of compensatory return	J2	Pressure deviation relative to initial pressure during sequential closure of spray boom sections /incorrect adjustment of compensatory regulation return	A single pressure deviation > 10 % of the reference pressure (start of section)
Control system	Accessibility and legibility of the measuring and control devices	M1	All measuring instruments (computer, pressure/flow indicators, etc.), as well as control system commands and cut-off valves of various sections of the spray boom must be accessible and/or visible from the operator's position	One of the measuring devices and/or one of the controls is not accessible and/or visible. (note: movement of the head and upper body is acceptable)

4. Sprayers for soil disinfection

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Maintenance condition of sprayer	A1	Presence/absence of bits of string, wire, rust, etc. Cleanliness of the sprayer (spray residue, mud, grease, etc.)	Visible signs of poor maintenance
Level gauge	Presence/absence	B1	Presence/absence of level gauge	Absence of level gauge
	Readability	B2	Indication of liquid level is assessed from the operator's position and the filling point	Liquid level in the tank not visible by means of the level gauge
Filters	Presence/absence of outlet filter	C1	Presence/absence of outlet filter	Absence of filter on pressure pipe
	Presence/absence of nozzle filters	C3	Presence/absence of nozzle filters	No nozzle filters
	Presence/absence of pneumatic filter (compressor air intake)	C5	Presence/absence of pneumatic filter at compressor intake	No pneumatic filters
Measuring devices	Readability of working manometer and/or flow-meter from the operator's position.	F2	Readability of scales from operator's position	Scales difficult to read or unreadable from the operator's position

5. Nebulisers (LVM/ and UBLV cold nebulisers, gasoline thermonebulisers and electrofoggers, centrifugal compressed-air sprayers, seed treatment plants) and for all other nebulisers whose operation is based on the same principles

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
General condition	Maintenance condition of nebuliser	A1	Presence of bits of string, wire, rust, damaged instruction stickers, etc.	Clear signs of poor maintenance
Tank	Presence/absence	B1	Presence/absence of level gauge	Absence of level gauge
	Readability	B2	Indication of liquid level is assessed from the operator's position and the nebuliser filling point	Liquid level in the tank not visible by means of level gauges
	Draining and cleaning the spray tank	B3	Check whether spray tank can be emptied and cleaned	Spray tank cannot be fully drained and/or cleaned properly (no drain opening with a plug or tap, no drain pipe, etc.), potential spray residue cannot be recovered without risk of contamination for the user and/or the environment
	Presence and condition of tank cover and seal	B4	Presence and condition of tank cover and seal	No tank cover, tank cover and/or seal in poor condition, tank cannot be closed properly.
Filters	Presence/absence of basket/intake strainer	C1	Presence/absence of basket/intake strainer	No basket/intake strainer
	Presence/absence of intake filter	C3	Presence/absence of intake filter	No intake filter
	Presence/absence of outlet filter	C5	Presence/absence of outlet filter	No outlet filter
	Presence/absence of air intake filter	C7	Presence/absence of air intake filter	No air intake filter
Obstacles	Obstacles in the nebulisation spray	E2	Detection of obstacles (chassis, piping) in the nebulisation spray / relating to construction	Presence of obstacles in the nebulisation spray
Stirring system	Stirring of liquid in tank	F	Examination of intensity of stirring in spray tank when sprayer is in normal operation	No stirring or insufficient stirring from a visual perspective
Measuring instrument	Presence of a measuring instrument on the nebuliser: manometer(s) and/or flow-meter(s)	G1	Check presence of manometer in supply lines and/or flow meter in hydraulic supply line	No measuring instrument present on the device (neither manometer nor flow meter)
	Readability and scale of manometer and/or flow meter	G2	Readability and scale of measuring device	Measuring scale outside range of use and/or measuring instrument difficult to read or illegible from the working position

	Parameter	Code	Element examined by observation or measurement	Tolerance limits
Control system	Accessibility and legibility of measuring and control equipment	I1	All measuring instruments (computer, manometers/flow meters, etc.) as well as control system activation and cut-off valves of various sections of the spray boom must be accessible and/or visible from the normal operating position	One of the measuring instruments and/or one of the elements enabling operaton of the system is not accessible and/or visible from the normal working position
	Operation of temperature probe in nebulisation nozzle	I11	Check operation of temperature probe in nebulisation nozzle	The temperature measured in the nebulisation nozzle deviates by more than 15 % from the defined temperature
Compressor/fan/vacuum pump	Maintenance condition of the compressor or fan or vacuum pump	L1	Check maintenance condition of compressor/fan/vacuum pump	Poor maintenance of compressor/fan/vacuum pump: Significant clogging, oil leaks, worn belts
	Maintenance condition of the air circuit	L2	Inspection of the maintenance condition of the air circuit	Poor condition of compressed air hoses, poor connections, clogged air filters, air circuit components in poor condition

(1) Manometer = either a conventional analogue manometer or a pressure sensor in combination with a digital readout.'

To be annexed to our Decree of @@@ amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain,

PHILIPPE

By the King:

The Minister for Agriculture,

D. CLARINVAL

Annex 2 to the Royal Decree of @@@ amending Annex 4 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

'Annex 4 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

Annex 4

Template self-adhesive vignette issued in accordance with Article 6 of this Order

The colour of the vignettes shall alternate as follows:

Period of issue	Colour
1 January 2026 to 31 December 2028	Blue vignette with a black border
1 January 2029 to 31 December 2031	Yellow-orange vignette with a black border
1 January 2032 to 31 December 2034	Green vignette with a black border

To be annexed to our Decree of @@@ amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain,

PHILIPPE

By the King:

The Minister of Agriculture,

D. CLARINVAL

Annex 3 to the Royal Decree of @@@ amending Annex 5 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

'Annex 5 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

Annex 5: Inspection methods

Sprayers are inspected in accordance with the methods set out below. Inspection criteria are assessed with visual tests or measurements.

A. Description of the inspection method for field sprayers and all other sprayers whose operation is based on the same principle

	Code		**Inspection method**
General condition	A1	Visual test	The maintenance condition of the sprayer is checked: presence of foreign objects such as bits of string, wire, excessive rust, lack of lubrication, etc.
	A2	Visual test	The condition and operation of protection for power transmission elements such as cardan shafts, chains, etc. are checked, as are moving parts.
	A3	Visual test	Check whether attachment points from spray boom to chassis are secure.
Level gauge			The level of the liquid in the tank is assessed (by means of a transparent pipe, a float, directly through the wall of the tank, etc.) from the operator's position and from the filling point.
Sprayer tank	B1	Visual test	Presence of level gauge is checked.
	B2	Visual test	Legibility of the level gauge is checked.
Filters			Presence or absence of filters is checked. The condition of the filters is only checked in the event of hydraulic problems (pressure differences, pressure drops, pressure fluctuation, insufficient pressure, etc.).
	C1 and C2	Visual test	When filling the main tank: filter basket at manhole level, intake strainer at filler pipe level, etc.

	C3 and C4	Visual test	At spray liquid intake: pump intake filter.
	C5 and C6	Visual test	At the pump outlet: outlet filter between the pump and the pressure regulator.
	C7	Visual test	On the spray boom sections: spray boom section filter(s).
Spray boom	D1	Visual test	The symmetry of the spray boom in relation to its attachment points on the chassis is assessed, as is its general condition. The symmetry of the spray boom is not an obligation if the balance control and suspension of the asymmetric spray boom is ensured by another device and the other requirements under the point Spray Boom are respected.
	D2 and D3	Measurement	Check the curvature of the spray boom in the horizontal plane. The horizontal curvature is measured by positioning oneself at the end of the unfolded boom on the imaginary line of the spray boom directly behind the sprayer. From this line, the distance is measured to the actual end of the boom.
	D4 to D7	Measurement	Check the curvature of the spray boom in the vertical plane. The height of the centre of the spray boom is set to 50 cm above ground and then the height of the ends is measured relative to the ground.
	D8 and D9	Measurement	If there is a suspension system, one end of the spray boom is positioned at ground level with a spray boom height adjustment of 60 cm ±10 cm. The return of the spray boom to the horizontal position is checked.
	D10	Measurement	The distance between the nozzle holders is measured.
	D11 and D12	Visual test	The vertical position of the nozzle holders is checked.
	D13 and D14	Visual test	Check for the presence and condition of protection on nozzle ends for spray booms with a working width $\geq$ 10 m.
	D15	Visual test	Check how the hinges of the spray boom sections behave after they are moved in the horizontal plane. The operation of collapsible ends, where present, is also assessed.
	D16	Visual test	If a spray boom height adjustment system is present, its operation must be checked.
	D17 and D18	Visual test	The presence and operation of the system for locking the spray boom during transportation are checked.
Obstacles	E1	Visual test	Record the presence in the spray jet of any pipes, string or foreign objects (that are not present by design).
	E2	Visual test	Record the presence in the spray jet of any obstacles (present by design).

Stirring system	F	Visual test	The intensity of stirring in the main tank is assessed when the agitation system and sprayer are in operation.
Pressure stability	G1 to G4	Visual test	A calibrated manometer is installed on the spray boom in place of a nozzle. Needle oscillations are observed on the working manometer or the manometer installed on the spray boom. The spray pressure must be stable at constant motor speed.
Manometer[(1)]	H1	Visual test	The presence of a manometer is checked. The measuring range must correspond to the working range of the sprayer.
	H2	Visual test	The readability of the markings on the working manometer is assessed from the operator's position.
	H3 and H4	Measurement	A calibrated manometer is installed on the boom in place of a nozzle. The similarity between the pressure values indicated on the working manometer and the real values at the nozzles is checked. Both values are observed for various reference pressures. Should a deviation occur, the working manometer is removed by the person presenting the sprayer for inspection. It is placed on an independent calibrator and tested against a reference manometer. Then both values are observed again at various reference pressures. If the manometer cannot be removed from the device, the reference manometer is placed on the reference connection provided for this purpose or on another connection point as close as possible to the manometer. Both values are observed for various reference pressures.
Pressure balance	I1 to I5	Measurement	A calibrated manometer is installed on each boom section, at the point of supply, in place of a nozzle. The pressure in the spray boom is adjusted to a reference value and any pressure differences between sections are observed.
	I6	Measurement	In case of doubt about the condition of a nozzle holder, a second calibrated manometer is positioned in place of a nozzle on the nozzle holder closest to that suspected to be defective. Particular attention is paid to any possible pressure differences between these two manometers.
Compensatory return	J1 to J3	Measurement	A calibrated manometer is installed at the point of supply of each spray boom section in place of a nozzle: the pressure supplied to the boom is set to a reference value. A boom section is closed and the pressure of the sections still connected is checked; the section is then returned to service. This operation is repeated for all spray boom sections.
Pressure loss [(2)]	K	Measurement	Two calibrated manometers are installed in place of a nozzle, one close to the point of supply of the spray boom section and another at the end of the section. Any differences in pressure are checked at a reference pressure at the point of supply of the section.
Individual flow rate of nozzles	L1	Visual test	When nozzles are removed to measure flow rate (L2 to L7) they are checked for homogeneity as regards make, type, bore and angle.

	L2 to L7	Measurement	The individual flow rate of nozzles is measured separately from the sprayer for all commonly used nozzles. The nozzles are removed from the spray boom and then placed on a test bench. If this is impossible, the flow rate of the nozzles is measured directly on the appliance. The variation in the flow rate is quantified relative to that of a new nozzle (reference). The flow rate of the nozzle is compared for a given pressure with the nominal flow rate indicated in the manufacturer's tables. If the nominal flow rate is not known, the individual flow rate is compared with the average flow rate of measured nozzles with the same characteristics.
Drift-reducing spraying technology	L8	Visual test	Check for presence of drift-reducing spraying technology that complies with current drift reduction legislation
Control system	M1	Visual test	The accessibility and legibility of measuring and control devices are checked.
	M2 et M3	Measurement	The mechanical and electronic control systems (DPAm and DPAe respectively) that adjust the flow rate in proportion to the running speed are checked, as are the electronic indications of volume sprayed per hectare. Driving speed and the amount sprayed over a given time are determined. The actual volume/hectare sprayed is calculated and compared with that set by the user.
	M4	Visual test	The operation of the spray boom section cut-off valves is checked.
	M5	Measurement	The operation of the pressure regulator (electrical or mechanical) of control systems, constant pressure (CP) and flow rate proportional to the motor speed (DPM) is checked.
Leaks	N1 and N2	Visual test	Check for leaks by spraying at maximum control pressure (dynamic leakage). The places where (significant and minor) leaks are detected are identified.
	N3 and N4	Visual test	The presence and operation of anti-drip systems are checked.
	N5 and N6	Visual test	The presence of leaks is checked when there is no spraying (static leaks). The places where (significant and minor) leaks are detected are identified.
Pump	O	Visual test	Correct pump operation is checked through the detection of water in the oil of the pump tank.

B. Description of the inspection method for orchard sprayers and all other sprayers whose operation is based on the same principle

	Code		**Inspection method**
General condition	A1	Visual test	The maintenance condition of the sprayer is checked: presence of foreign objects such as bits of string, wire, excessive rust, lack of lubrication, etc.

	A2	Visual test	The condition and operation of protection for power transmission elements such as cardan shafts, chains, etc. are checked, as are moving parts.
	A3	Visual test	The condition of the fan is checked: blades, deflectors and housing. If there is a fan decoupling mechanism, it must function correctly.
Level gauge Sprayer tank			The level of the liquid in the tank is assessed (by means of a transparent pipe, a float, directly through the wall of the tank, etc.) from the operator's position and from the filling point.
	B1	Visual test	Presence of level gauge is checked.
	B2	Visual test	Legibility of the level gauge is checked.
Filters			Presence or absence of filters is checked. The condition of the filters is only checked in the event of hydraulic problems (pressure differences, pressure drops, pressure fluctuation, insufficient pressure, etc.).
	C1 and C2	Visual test	When filling the main tank: filter basket at the height of the manhole, intake strainer at the height of the filler pipe, etc.
	C3 and C4	Visual test	At spray liquid intake: pump intake filter.
	C5 and C6	Visual test	At the pump outlet: outlet filter between the pump and the pressure regulator.
	C7	Visual test	At the height of the discharge pipe: section filter(s).
Discharge pipe	D1	Measurement	Any deformations of the discharge pipe and/or pipes are observed. Also check whether the discharge pipe is symmetrical with regard to the attachment to the tank or chassis.
	D2	Visual test	The firmness of the attachment of the discharge pipe to the chassis or tank is observed.
	D3	Measurement	Check whether the spacings between the nozzle holders are symmetrical on either side of the discharge pipe
	D4	Measurement	Check whether the position of nozzle holders is symmetrical on either side of the discharge pipe
Obstacles	E1	Visual test	The presence in the spray jet and/or in the fan air intake or outlet circuits of any pipes, string or foreign objects (that are not present by design) is recorded.
	E2	Visual test	The presence of any obstacles (that are present by design) in the spray jet and/or in the air intake or air flow circuit of the fan is recorded.
Stirring system	F	Visual test	The intensity of stirring in the main tank is assessed when the stirring system and sprayer are in operation.

Pressure stability	G1 to G4	Visual test	A calibrated manometer is fitted to the discharge pipe in place of a nozzle. Oscillations of the needle of the working manometer or the manometer installed on the discharge pipe are observed. The spray pressure must be stable at constant motor speed.
Manometer[1]	H1	Visual test	The presence of a manometer is checked. The measuring range must correspond to the working range of the sprayer.
	H2	Visual test	The readability of the markings on the working manometer is assessed from the operator's position.
	H3 and H4	Measurement	A calibrated manometer is installed on the discharge pipe in place of a nozzle. The similarity between the pressure values indicated on the working manometer and the real values at the nozzles is checked. Both values are observed for various reference pressures. Should a deviation occur, the working manometer is removed by the person presenting the sprayer for inspection. It is placed on an independent and tested calibrator (reference manometer). Then both values are observed again at various reference pressures. If the manometer cannot be removed from the device, the reference manometer is placed on the reference connection provided for this purpose or on another connection point as close as possible to the manometer. Both values are observed for various reference pressures.
Pressure balance	I1 to I5	Measurement	A calibrated manometer is installed on each section of the discharge pipe in place of a nozzle, in each nozzle holder. The pressure in the discharge pipe is adjusted to a reference value and any pressure differences between the discharge pipe sections are observed.
Compensatory return	J1 to J3	Measurement	A calibrated manometer is installed on each discharge pipe section, at the point of supply, in place of a nozzle. The pressure in the discharge pipe is adjusted to a reference value. One discharge pipe section is closed, after which the pressure is measured in the sections still connected; this section is then recommissioned. This operation is repeated as many times as there are discharge pipe sections.
Pressure loss [2]	K	Measurement	Two calibrated manometers are installed in place of a nozzle, one close to the point of supply of the discharge pipe section and another at the end of the section. Any differences in pressure are checked at a reference pressure at the point of supply of the section.
Individual flow rate of nozzles [3]	L1	Visual test	Check whether the nozzles placed symmetrically on the left and right of the discharge pipe are homogeneous with regard to make, type, size, angle and sealing ring.

	L2 to L3	Measurement	The individual flow rate of all nozzles on the discharge pipe is measured directly on the sprayer. The flow rates of nozzles with the same characteristics are compared with each other and with the flow rate of a new (reference) nozzle at a given reference pressure. If the nominal flow rate is not known, the individual nozzle flow rate is compared to the average flow rate of the measured nozzles with the same characteristics.
	L4 to L5	Measurement	If measurement of the flow rate of nozzles mounted on the sprayer reveals significant differences, the nozzles are removed and the flow rate is measured on a test bench. Variation in the flow rate is determined in comparison to that of a new (reference) nozzle. The flow rate of the nozzle is compared to a nominal pressure indicated in the manufacturer's tables.
Drift-reducing spraying technology	L6	Visual test	Check for presence of drift-reducing spraying technology that complies with current drift reduction legislation
Nozzle holders	M	Measurement	If the cause of the difference in flow rate is not the nozzle holders but the nozzles (L2–L5) a measurement is taken. In this case, the flow rate of the nozzles is first measured (cf. L2–L5). The places of the nozzles are changed and their flow rate is measured and compared again. Next, the pressure on the different nozzle holders is measured for a given reference value and the results are compared.
Control system	N1	Visual test	The accessibility and legibility of measuring and control devices are checked.
	N2 and N3	Measurement	The mechanical and electronic control systems (DPAm and DPAe respectively) that adjust the flow rate in proportion to the running speed are checked, as are the electronic indications of volume sprayed per hectare. Driving speed and the amount sprayed over a given time are determined. The actual volume/hectare sprayed is calculated and compared with that set by the user.
	N4	Visual test	The operation of the discharge pipe section cut-off valves is checked.
	N5	Measurement	The operation of the pressure regulator (electrical or mechanical) of control systems, constant pressure (CP) and flow rate proportional to the motor speed (DPM) is checked.
Leaks	O1 and O2	Visual test	Check for leaks by spraying at maximum control pressure (dynamic leakage). The places where (significant and minor) leaks are detected are identified.
	O3 and O4	Visual test	The presence and operation of anti-drip systems are checked.
	O5 and O6	Visual test	The presence of leaks is checked when there is no spraying (static leaks). The places where (significant and minor) leaks are detected are identified.
Pump	P	Visual test	Correct operation of the pump is checked through the detection of water in the oil of the pump tank.

C. Description of the inspection method for boom sprayers for horticulture and floriculture and all others whose operation is based on the same principle

	Code		**Inspection method**
General condition	A1	Visual test	The maintenance condition of the sprayer is checked: presence of foreign objects such as bits of string, wire, excessive rust, lack of lubrication, etc.
	A2	Visual test	The condition and operation of protection for power transmission elements such as cardan shafts, chains, etc. are checked, as are moving parts.
	A3	Visual test	The condition of the fan is checked: blades, deflectors and housing. If there is a fan decoupling mechanism, it must function correctly.
Level gauge			The level of the liquid in the tank is assessed (by means of a transparent pipe, a float, directly through the wall of the tank, etc.) from the operator's position and from the filling point.
Sprayer tank	B1	Visual test	Presence of level gauge is checked.
	B2	Visual test	Legibility of the level gauge is checked.
Filters			Presence or absence of filters is checked. The condition of the filters is only checked in the event of hydraulic problems (pressure differences, pressure drops, pressure fluctuation, insufficient pressure, etc.).
	C1 and C2	Visual test	When filling the main tank: filter basket at the height of the manhole, intake strainer at the height of the filler pipe, etc.
	C3 and C4	Visual test	At spray liquid intake: pump intake filter.
	C5 and C6	Visual test	At the pump outlet: outlet filter between the pump and the pressure regulator.
	C7	Visual test	On the discharge pipe/spray boom sections: section filter(s).
Horizontal spray boom[(4)]	D1	Visual test	The horizontal position of the spray boom in relation to the ground, its general condition and any deformation are evaluated.
	D2 and D3	Measurement	Check the curvature of the spray boom in the horizontal plane. The horizontal curvature is measured by positioning oneself at the end of the unfolded boom on the imaginary line of the spray boom directly behind the sprayer. From this line, the distance is measured to the actual end of the boom.

	D4 to D7	Measurement	Check the curvature of the spray boom in the vertical plane. The height of the centre of the spray boom is set to 50 cm above ground and then the height of the ends is measured relative to the ground.
	D8	Measurement	The distance between the nozzle holders is measured.
	D9 and D10	Visual test	The vertical position of the nozzle holders is checked.
	D11	Visual test	Check how the hinges of the spray boom sections behave after they are moved in the horizontal plane. The operation of any collapsible ends is also assessed.
	D12	Visual test	The adjustment of the spray boom height is checked.
Vertical spray boom (branches)	D1a	Visual test	The general maintenance condition of the spray boom/branches is observed.
	D2bis and D3bis	Measurement	The verticality of the spray boom/branches is observed.
	D4bis and D5bis	Visual test	The verticality of the spraying nozzles on the spray boom/branches is observed.
	D6a	Measurement	The distance between the nozzle holders is measured.
	D7a	Measurement	The symmetry of the distance of nozzle holders is determined.
	D8a	Visual test	The symmetry of the angled position of nozzle holders is determined.
	D9a	Visual test	The operation of the hinges and the end of the spray boom sections is observed.
	D10a	Visual test	The condition and operation of attachment points and width adjustment are checked after use.
	D11a	Visual test	The spray boom height adjustment system is checked.
Obstacles	E1	Visual test	Record the presence in the spray jet of any pipes, string or foreign objects (that are not present by design).
	E2	Visual test	Record the presence in the spray jet of any obstacles (present by design).
Stirring system	F	Visual test	The intensity of stirring in the main tank is assessed when the agitation system and sprayer are in operation.

Pressure stability	G1 to G5	Visual test	A calibrated manometer is installed on the spray boom in place of a nozzle. Needle oscillations are observed on the working manometer or the manometer installed on the spray boom. The spray pressure must be stable at constant motor speed.
Manometer[1]	H1	Visual test	The presence of a manometer is checked. The measuring range must correspond to the working range of the sprayer.
	H2	Visual test	The readability of the markings on the working manometer is assessed from the operator's position.
	H3 and H4	Measurement	A calibrated manometer is installed on the boom in place of a nozzle. The similarity between the pressure values indicated on the working manometer and the real values at the nozzles is checked. Both values are observed for various reference pressures. Should a deviation occur, the working manometer is removed by the person presenting the sprayer for inspection. It is placed on an independent and tested calibrator (reference manometer). Then both values are observed again at various reference pressures. If the manometer cannot be removed from the device, the reference manometer is placed on the reference connection provided for this purpose or on another connection point as close as possible to the manometer. Both values are observed for various reference pressures.
Pressure balance	I1 to I5	Measurement	A calibrated manometer is installed on each boom section, at the point of supply, in place of a nozzle. The pressure in the spray boom is adjusted to a reference value and any pressure differences between sections are observed.
Compensatory return	J1 to J3	Measurement	A calibrated manometer is installed at the point of supply of each spray boom section in place of a nozzle: the pressure supplied to the boom is set to a reference value. A boom section is closed and the pressure of the sections still connected is checked; the section is then returned to service. This operation is repeated for all spray boom sections.
Pressure loss [2]	K	measurement	Two calibrated manometers are installed in place of a nozzle, one close to the point of supply of the spray boom section and another at the end of the section. Any differences in pressure are checked at a reference pressure at the point of supply of the section.
Individual flow rate of nozzles	L1	Visual test	When nozzles are removed to measure flow rate (L2 to L7) they are checked for homogeneity as regards make, type, bore and angle.

	L2 to L7	measurement	The individual flow rate of nozzles is measured separately from the sprayer for all commonly used nozzles. The nozzles are removed from the spray boom and then placed on a test bench. If this is impossible, the flow rate of the nozzles is measured directly on the appliance. The variation in the flow rate is quantified relative to that of a new nozzle (reference). The flow rate of the nozzle is compared for a given pressure with the nominal flow rate indicated in the manufacturer's tables. If the nominal flow rate is not known, the individual flow rate is compared with the average flow rate of measured nozzles with the same characteristics. For devices with multiple spray booms, testing 25 % of the nozzles is sufficient.
Drift-reducing spraying technology	L8	Visual test	Check for presence of drift-reducing spraying technology that complies with current drift reduction legislation
Control system	M1	Visual test	The accessibility and legibility of measuring and control devices are checked.
	M2	Measurement	The correct operation of the injection pump is checked. The volume injected when spraying a given concentration is measured. The volume actually injected is compared with the volume set on the injection pump
	M3	Measurement	The mechanical and electronic control systems (DPAm and DPAe respectively) that adjust the flow rate in proportion to the running speed are checked, as are the electronic indications of volume sprayed per hectare. The driving speed and the amount sprayed over a given time are determined. The actual volume/hectare sprayed is calculated and compared with that set by the user.
	M4	Visual test	The operation of the spray boom section cut-off valves is checked.
	M5	Measurement	The operation of the pressure regulator (electrical or mechanical) of control systems, constant pressure (CP) and flow rate proportional to the motor speed (DPM) is checked.
Leaks	N1 and N2	Visual test	Check for leaks by spraying at maximum control pressure (dynamic leakage). The places where (significant and minor) leaks are detected are identified.
	N3 and N4	Visual test	The presence and operation of anti-drip systems are checked.
	N5 and N6	Visual test	The presence of leaks is checked when there is no spraying (static leaks). The places where (significant and minor) leaks are detected are identified.
Pump	O	Visual test	Correct pump operation is checked through the detection of water in the oil of the pump tank.

D. Description of the inspection method for soil disinfection sprayers and all other sprayers whose operation is based on the same principle

	Code		**Inspection method**
General condition	A1	Visual test	The maintenance condition of the sprayer is checked: presence of foreign objects such as bits of string, wire, excessive rust, lack of lubrication, etc.
	A2	Visual test	The condition and operation of protection for power transmission elements such as cardan shafts, chains, etc. are checked, as are moving parts.
	A3	Visual test	The safety of sprayer venting and the presence of an overpressure valve are observed.
Level gauge			The level of the liquid in the tank is assessed (by means of a transparent pipe, a float, directly through the wall of the tank, etc.) from the operator's position and from the filling point.
	B1	Visual test	Presence of level gauge is checked.
	B2	Visual test	Legibility of the level gauge is checked.
Filters			The presence or absence of filters is observed. The condition of the filters is only checked in the event of hydraulic and/or pneumatic problems (pressure differences, pressure drops, pressure fluctuation, insufficient pressure, etc.).
	C1 and C2	Visual test	At the pump outlet: pressure filter at the pressure regulator/distributor.
	C3 and C4	Visual test	On the nozzles: nozzle filters.
	C5 and C6	Visual test	On the compressor air intake: pneumatic filters.
Coulters	D1	Visual test	The uniformity of the coulters is checked.
	D2	Visual test	Protection on "pipe units" (nozzles, injectors, etc.) is checked.
Pressure stability	E	Visual test	The spray pressure must be stable at constant motor speed.
Measuring devices			The presence and operation of measuring devices are checked: hydraulic and pneumatic manometers and/or flow meters
	F1	Visual test	The presence of a measuring device is checked: Hydraulic manometer or pneumatic manometer or flow meter.
	F2	Visual test	Check legibility of measuring device from the driving position.

	F3	Measurement	Operation of hydraulic or pneumatic manometer(s) is tested on a calibrator. If the manometer cannot be removed from the device, the reference manometer is placed on the reference connection provided for this purpose or on another connection point as close as possible to the manometer. Both values are observed for various reference pressures.
	F4	Measurement	Operation of the flow meter must be checked. The actual volume applied is measured and compared with the volume recorded on the flow meter.
Individual flow rate of nozzles[(5)]	G1	Visual test	When nozzles are removed to measure flow rate (G2 to G7) they are checked for homogeneity as regards make, type, bore and angle.
	G2 to G7	Measurement	The individual flow rate of nozzles is measured separately from the sprayer for all commonly used nozzles. Nozzles are removed from injectors and placed on a test bench. The variation in the flow rate is quantified relative to that of a new nozzle (reference). The flow rate of the nozzle is compared for a given pressure with the nominal flow rate indicated in the manufacturer's tables. If the nominal flow rate is not known, the individual flow rate is compared with the average flow rate of measured nozzles with the same characteristics.
Individual flow rate of the injectors	G8 to G9	Measurement	The individual flow rate of all injectors is measured on the sprayer. The individual flow rate of injectors is compared to the average flow rate of all injectors with the same characteristics.
Control system	H1	Measurement	Speed-proportional mechanical and electronic (in French 'DPAm' and 'DPAe' respectively) control systems, as well as electronic indications of the volume sprayed per hectare are checked. Ground speed and volume sprayed over a given time are determined. The volume/hectare actually applied is calculated and compared with the volume set by the user.
	H2	Visual test	The operation of the spray boom section cut-off valves is checked.
	H3	Measurement	The operation of the pressure regulator (electrical or mechanical) of control systems, constant pressure (CP) and flow rate proportional to the motor speed (DPM) is checked.
Leaks	I1 and I2	Visual test	Leaks are identified by spraying at the maximum control pressure (dynamic leaks). The places where (significant and minor) leaks are detected are identified.
	I3 and I4	Visual test	The presence of leaks is checked when there is no spraying (static leaks). The places where (significant and minor) leaks are detected are identified.
Compressor	J	Visual test	The proper functioning of the compressor is checked.
Pump	K	Visual test	Check the pump is working properly by checking the working pressure.

E. Description of the inspection method for nebulisers (LVM/ and UBV cold nebulisers, gasoline thermonebulisers and electrofoggers, centrifugal compressed-air sprayers, seed treatment plants) and for all other nebulisers whose operation is based on the same principles

	Code		**Inspection method**
General condition	A1	Visual test	The maintenance condition of the nebuliser is checked: presence of foreign objects such as bits of string, wire, excessive rust, lack of lubrication, instruction stickers, clogged air intake, etc.
	A2	Visual test	The condition and operation of protection for mechanical power transmission elements such as chains, belts, etc. are checked, as are moving parts.
	A3	Visual test	The condition of the fan is checked: blades, deflectors and housing. If there is a fan start/stop function or activation system, it must work properly.
	A4	Visual test	The condition of pipes carrying liquid is checked, including fuel pipes if present.
	A5	Visual test	The presence and condition of the thermal protection on the spray nozzle are checked (hot nebulisers).
	A6	Visual test	If the devices are electrical, the state of protection of the electrical components is examined: earthing, casing, wiring, etc.
	A7	Measurement	If the devices are electrical, the earthing must be measured again.
Tank	B1	Visual test	The presence of the level gauge is checked.
	B2	Visual test	The legibility of the level gauge is checked.
	B3	Visual test	The tank is checked to see whether it can be easily emptied and cleaned (plug, hose and drain valve, removable tank, etc.)
	B4	Visual test	The presence and condition of the tank cover is checked, including the seal.
	B5	Visual test	Check the presence of a pressure relief valve for devices powered by compressed air (cold nebuliser).
Filters			Check for presence or absence of filters. *Only check if filters are in good condition in the event of hydraulic problems (pressure fluctuations, insufficient pressure, etc.)
	C1	Visual test	When filling the main tank: filter basket at manhole level, intake strainer at filler pipe level, etc.
	C2		
	C3	Visual test	At spray liquid intake: pump intake filter.
	C4		
	C5	Visual test	At pump outlet: pump (distributor) outlet filter.
	C6		
	C7	Visual test	For compressed air systems or fan/vacuum systems: Check condition of air intake filter.
	C8		
	C9	Visual test	Nozzle filters in the nozzle holder
Nebulisation nozzle	D1	Visual test	The condition of the nebulisation nozzle is assessed. Check that the nozzle is not twisted due to overly high temperatures, this indicates poor adjustment (hot nebulisers)
	D2	Visual test	The condition of the nebulisation nozzle is assessed. Check whether the nozzle has holes due to heat, cracks or fractures (hot nebulisers)

	D3	Visual test	The condition of the nebulisation nozzle is assessed. Check the inside of the nebulisation nozzle for dirt. A clogged nebulisation nozzle indicates poor combustion or combustion of plant protection product during the nebulisation process (hot nebulisers).
Obstacles	E1	Visual test	The presence in the nebulisation spray of any pipes, string or foreign objects (that are not present by design) is recorded.
	E2	Visual test	The presence in the nebulisation spray of any obstacles (that are present by design) is recorded.
Stirring system	F	Visual test	If available, the intensity of stirring in the tank is assessed when stirring system and nebuliser are in operation.
Measuring instrument			The presence and operation of measuring instruments for adjusting and monitoring nebulisation volume are checked/hydraulic and pneumatic manometers(1) and/or flow meters.
	G1	Visual test	Check for presence of measuring instrument: hydraulic manometer or pneumatic manometer or flow meter.
	G2	Visual test	Check the readability and scale on the measuring instrument from the usual operating position.
	G3	Measurement	Operation of hydraulic or pneumatic manometer(s) is tested on a calibrator. If the working manometer cannot be removed from the sprayer, the test manometer is placed on the test connection provided for this purpose or any other connection point as close as possible to the working manometer. Both values are checked at different reference pressures.
	G4	Measurement	Operation of the flow meter must be checked. The actual volume sprayed is measured and compared with the volume recorded by the flow meter.
Nebulisation flow rate	H1	Visual test	For nebulisers with multiple nozzles, the nozzles are checked for homogeneity in terms of make, type, bore and angle.
	H2	Visual test	The condition of the nebuliser nozzle(s) or restriction plates and any nebuliser deflectors is visually assessed (only if the nebulisation flow rate is non-compliant).
	H3	Visual test	Nebulisation is visually assessed by operating the device with normal usage parameters.
	H4	Measurement	The flow rate of the nebuliser is measured on the device and is compared to the set nebulisation rate. A known volume of an appropriate test liquid is placed in the nebulisation tank and nebulised within normal parameters of use. Based on the time taken to nebulise this volume, the actual nebulisation rate is determined and compared to the rate set.
Control system	I1	Visual test	The accessibility and legibility of the measuring and control equipment is checked.
	I2	Visual test	The operation of all elements associated with starting and stopping the nebuliser and spraying is checked (including thermal resistance breakers if applicable).
	I3	Visual test	The operation of all indicator lamps is checked.
	I4	Visual test	The operation of the control system is checked. The operation of dosing adjustment on the product control valve (flow regulation) or the operation of pressure regulator (compressed air) is checked (cold sprayers).
	I5	Visual test	The operation of the carburettor adjustment is checked (hot nebulisers with combustion engine).
	I6	Visual test	Check that the nebuliser starts quickly during a cold start (hot nebulisers with combustion engine).
	I7	Visual test	Check that the combustion in the nebuliser is as it should be; the flame should not come out of the nozzle (hot nebulisers with combustion engine).
	I8	Visual test	Operation of the electric pump’s dosing adjustment is checked.
	I9	Visual test	Operation of thermal resistance is checked (electric hot nebulisers).
	I10	Visual test	Operation of the temperature control system is checked (electric heated nebulisers).

	I11	Measurement	Correct operation of the temperature probe in the nebulisation nozzle is checked by measuring the temperature in the nozzle and comparing it with the settings on the device (electric hot nebulisers).
	I12	Visual test	Operation of overheating protection is checked by switching off the fan while activating temperature control (electric hot nebulisers).
Leaks	J1	Visual test	The presence of leaks is checked by nebulising within the normal usage parameters of the device. Places where (significant and minor) leaks are detected are identified.
	J2		
Pump	K	Measurement	Pump capacity is checked by setting the maximum nebulisation rate and starting the device. Actual maximum flow rate is determined on the basis of the time required to nebulise a measured volume (cold nebulisers + electric hot nebulisers).
Compressor/ fan/vacuum pump	L1	Visual test	The general condition of the compressor or fan or vacuum pump is checked (cold nebulisers).
	L2	Visual test	The general condition of the air circuit (overpressure/underpressure) is assessed (cold nebulisers).

(2) Manometer = either a conventional analogue manometer or a pressure sensor in combination with a digital readout
(3) Test performed only if there is a risk of pressure loss
(4) when a device is fitted with more than one set of nozzles, all sets of nozzles must be checked
(5) if beam for Da, only D1-D7'
(6) Only if the injectors are fitted with nozzles and if G8 and G9 assessment is negative or if it is impossible to measure the flow rate of injectors on the device

To be annexed to our Decree of @@@ amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain,

PHILIPPE

By the King:

The Minister for Agriculture,

D. CLARINVAL

Annex 4 to the Royal Decree of @@@ amending Annex 6 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

'Annex 6 to the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain

Annex 6: Inspection procedure

A. Summons:

- Content:
    - Inspection date and location
    - Access criteria
    - Refusal criteria
    - Inspection payments
    - Form for purchase, sale or resale
    - Form for decommissioning
    - Form to be completed if not present at inspection at the place and date indicated on the summons

- Summonses are sent to the owner of the sprayer no later than 15 days before the expiry of the self-adhesive vignette. In the event of unjustified absence, a second summons is sent by registered mail.
- The content of the summons may be partially communicated by means of a reference to the website of the approved inspection body.

To be annexed to our Decree of @@@ amending the Royal Decree of 13 March 2011 on the mandatory inspection of sprayers and amending the Royal Decree of 10 November 2005 on the payments referred to in Article 5 of the Law of 9 December 2004 on the financing of the Federal Agency for the Safety of the Food Chain.

PHILIPPE

By the King:

The Minister for Agriculture,

D. CLARINVAL