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WORKING DOCUMENT

From:	Commission
To:	Working Party on Technical Harmonisation (Dangerous Substances - Fertilisers)
N° Cion doc.:	ST 6896/23 + ADD1-ADD4 - COM (2023)98 final
Subject:	Proposal for a Regulation amending Regulation (EU) 2019/1009 as regards digital labelling of EU fertilising products - courtesy consolidation of Annex III

Consolidated version of Annex III to Regulation (EU) 2019/1009

To support the discussion in the Council Working Party, the changes proposed by the Commission [COM(2023)98] are introduced into the consolidated version of Annex III to Regulation (EU) 2019/1009 on EU fertilising products in **bold blue**.

This text is meant purely as a documentation tool and has no legal effect. The authentic versions of the relevant acts are those published in the Official Journal of the European Union and available in EUR-Lex.

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ANNEX III

LABELLING REQUIREMENTS

This Annex sets out the labelling requirements for EU fertilising products. The requirements laid down in Part II and Part III of this Annex for a given PFC, as specified in Annex I, apply to EU fertilising products in all subcategories of that PFC.

PART I

GENERAL LABELLING REQUIREMENTS

1. The following information shall be provided:

- (a) for EU fertilising products in PFC 1 to PFC 6, the designation as indicated in Part I of Annex I of the PFC corresponding to the product's claimed function;
- (b) for EU fertilising products in PFC 7, the designations as indicated in Part I of Annex I of all the PFCs corresponding to the claimed functions of the component EU fertilising products;
- (c) the quantity of the EU fertilising product, indicated by mass or volume;

‘(d) instructions for intended use concerning application rates, timing and frequency, and target plants or mushrooms;

(da) other instructions for intended use than those listed in point (d);*’

- (e) recommended storage conditions;
- (f) for products containing a polymer belonging to CMC 9 in Part II of Annex II, the time period following use during which the nutrient release is being controlled or the water retention capacity is being increased (the ‘functionality period’), which shall not be longer than the period between two applications in accordance with the use instructions referred to in point (d);
- (g) any relevant information on measures recommended to manage risks to human, animal or plant health, to safety or to the environment; and

‘(h) a list of all ingredients above 5 % by product weight or volume, or in the case of products in liquid form by dry weight, in descending order of magnitude;*

‘(i) an identification in accordance with Article 18 of Regulation (EC) No 1272/2008 of any ingredient on the list referred to in point (h) that is a substance or a mixture*;

(j) the designations of the relevant CMCs as referred to in Part I of Annex II for each ingredient listed in point (h).*’

‘Naturally occurring substances may, in addition to the information requested in point (i), be identified by their mineral names.’

2. Where the EU fertilising product has functions described in two or more of the PFCs laid down in Annex I, only those functions for which the EU fertilising product has been subject to a successful conformity assessment in accordance with this Regulation may be claimed by using the corresponding PFC designations as indicated in Part I of Annex I.

3. Where the EU fertilising product contains a component material which, if placed on the market as food or feed, would have been subject to maximum residue limits established pursuant to Regulation (EC) No 470/2009 or Regulation (EU) No 1831/2003 of the European Parliament and of the Council¹, maximum residue levels set in accordance with Regulation (EC) No 396/2005 of the European Parliament and of the Council², or maximum levels established pursuant to Council Regulation (EEC) No 315/93³ or Directive 2002/32/EC of the European Parliament and of the Council⁴, and that component material contains a substance in exceedance of (one of) the corresponding limit value(s), the maximum concentration of that substance in the EU fertilising product shall be indicated, together with a warning that the EU fertilising product must not be used in such a manner as to risk leading to the exceedance of that limit in food or feed.

4. Where the EU fertilising product contains derived products within the meaning of Regulation (EC) No 1069/2009 other than manure, the following instruction shall be provided on the label: ‘Farmed animals shall not be fed, either directly or by grazing, with herbage from land to which the product has been applied unless the cutting or grazing takes place after the expiry of a waiting period of at least 21 days.’.

5. Where the EU fertilising product contains ricin, the following instruction shall be provided on the label: ‘Hazardous to animals in case of ingestion’.

6. Where the EU fertilising product contains unprocessed or processed cocoa shells, the following instruction shall be provided on the label: ‘Toxic to dogs and cats’.

¹ Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition (OJ L 268, 18.10.2003, p. 29).

² Regulation (EC) No 396/2005 of the European Parliament and of the Council of 23 February 2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin and amending Council Directive 91/414/EEC (OJ L 70, 16.3.2005, p. 1).

³ Council Regulation (EEC) No 315/93 of 8 February 1993 laying down Community procedures for contaminants in food (OJ L 37, 13.2.1993, p. 1).

⁴ Directive 2002/32/EC of the European Parliament and of the Council of 7 May 2002 on undesirable substances in animal feed (OJ L 140, 30.5.2002, p. 10).

7. Where the EU fertilising product is a growing medium as referred to in point 2a of PFC 4 in Part II of Annex I, or contains a polymer with the purpose of binding material in the product as referred to in point 1(c) of CMC 9 in Part II of Annex II, the user shall be instructed not to use the product in contact with soil, and in collaboration with the manufacturer, to make sure of a sound disposal of the product after end of use.

7a. Where the EU fertilising product contains or consists of thermal oxidation materials and derivatives as referred to in CMC 13 in Part II in Annex II or pyrolysis or gasification materials as referred to in CMC 14 in Part II of that Annex and has a manganese (Mn) content above 3,5 % by mass, the manganese content shall be declared.

7b. Where the EU fertilising product contains or consists of high purity materials referred to in Part II, CMC 15, of Annex II and:

- (a) has a selenium (Se) content exceeding 10 mg/kg dry matter, the selenium content shall be indicated;
- (b) has a chloride (Cl-) content exceeding 30 g/kg dry matter, the chloride content shall be indicated, unless the EU fertilising product is produced through a manufacturing process where chloride containing substances or mixtures have been used with the intention of producing or including alkali metal salts or alkaline earth metal salts, and information on these salts is provided in accordance with Annex III.

When the content of selenium or chloride is indicated in accordance with point (a) and (b), it shall be clearly separated from nutrient declaration and it may be expressed as a range of values

Where the fact that such an EU fertilising product contains selenium or chloride below the limit values in points (a) and (b) follows certainly and uncontestably from the nature or recovery operation of the high purity material or the production process of the EU fertilising product containing such a material, as applicable, the label may contain no information on these parameters, without verification (such as testing), at the responsibility of the manufacturer.

8. Information other than the information required under points 1 to 6:

- (a) shall not mislead the user, for example by attributing to the product properties that it does not possess, or by suggesting that the product possesses unique characteristics which similar products also have;
- (b) shall relate to verifiable factors;
- (c) shall not make claims such as 'sustainable' or 'environmentally friendly' unless such claims refer to legislation, or clearly identified guidelines, standards or schemes, with which the EU fertilising product complies; and
- (d) shall not make claims by means of statements or visual representations that the EU fertilising product prevents or treats plant diseases or protects plants against harmful organisms.

9. The phrase ‘poor in chloride’ or similar may only be used if the chloride (Cl-) content is below 30 g/kg of dry matter.

10. Where the nutrient content information requirements in this Annex are expressed in oxidised form, the nutrient content may be expressed in elemental form instead or in addition to the oxidised form in accordance with the following conversion factors:

phosphorus (P)	=	phosphorus pentoxide (P_2O_5) $\times 0,436$;
potassium (K)	=	potassium oxide (K_2O) $\times 0,830$;
calcium (Ca)	=	calcium oxide (CaO) $\times 0,715$;
magnesium (Mg)	=	magnesium oxide (MgO) $\times 0,603$;
sodium (Na)	=	sodium oxide (Na_2O) $\times 0,742$;
sulphur (S)	=	sulphur trioxide (SO_3) $\times 0,400$.

11. Where the information requirements in this Annex refer to organic carbon (C_{org}), the information may refer to organic matter instead of or in addition to organic carbon (C_{org}), in accordance with the following conversion factor:

organic carbon (C_{org}) = organic matter $\times 0,56$.

‘12. Where the EU fertilising product contains peat, its presence shall be indicated on the label.

13. Where economic operators provide a digital label in accordance with Article 11a(1) and (2), the data carrier used on that digital label shall be accompanied by the warning: “A physical label must be provided in accordance with Regulation (EU) 2019/1009 before the product is made available on the market to end-users in a packaging of up to 1000 kg” or by a similar warning.

14. Where economic operators provide a digital label in accordance with Article 11a(3) second subparagraph, the data carrier used for that digital label shall be accompanied by the statement “More comprehensive information on the product is available online” or by a similar statement.

15. Where economic operators provide a digital label in accordance with Article 11a(4), the data carrier used for that digital label shall be accompanied by the statement “Information on the agronomic efficiency and the safe handling of the product is available online’ or by a similar statement.”;

PART II

PRODUCT-SPECIFIC LABELLING REQUIREMENTS

PFC 1: FERTILISER

1. The content of nutrients may be declared only where they are present in the EU fertilising product in the minimum quantity specified in Annex I for the relevant PFC.

2. If nitrogen (N) or phosphorus (P) are not declared nutrients, the content of nitrogen (N) or phosphorus pentoxide (P₂O₅) shall nevertheless be indicated if above 0,5 % by mass. That indication shall be separate from the nutrient declaration.

3. The following rules apply to fertilisers containing inhibiting compounds, as specified in CMC 1 in Part II of Annex II:

(a) the label shall state the words ‘nitrification inhibitor’, ‘denitrification inhibitor’ or ‘urease inhibitor’, as relevant;

‘(b) the nitrification inhibiting compound content shall be expressed as a % by mass of the total nitrogen (N) present as ammonium nitrogen (NH₄⁺) and urea nitrogen (CH₄N₂O);*

(c) the denitrification inhibiting compound content shall be expressed as a % by mass of the nitrate (NO₃⁻) present;*

(d) the urease inhibiting compound content shall be expressed as a % by mass of the total nitrogen (N) present as urea nitrogen (CH₄N₂O).*’;

4. The term ‘mineral fertiliser’ may be used only if the fertiliser belongs to PFC 1(C) and fulfils the following additional conditions:

(a) the mineral fertiliser must not contain more than 1 % by mass of organic carbon (C_{org}), other than organic carbon from:

(i) chelating or complexing agents referred to in point 3 of CMC 1 in Part II of Annex II,

(ii) nitrification, denitrification or urease inhibiting compounds referred to in point 4 of CMC 1 in Part II of Annex II,

(iii) coating agents referred to in point 1(a) of CMC 9 in Part II of Annex II,

(iv) urea (CH₄N₂O), or

(v) calcium cyanamide (CaCN₂);

(b) where phosphorus (P) is a declared nutrient, the declared phosphorus content shall consist only of phosphorus in the phosphatic form, and the mineral fertiliser shall fulfil at least one of the following solubility criteria:

(i) water solubility: minimum level 40 % of total phosphorus (P),

(ii) solubility in neutral ammonium citrate: minimum level 75 % of total phosphorus (P), or

(iii) solubility in formic acid (only for soft rock phosphate): minimum level 55 % of total phosphorus (P);

(c) where nitrogen (N) is a declared nutrient, the declared nitrogen content shall consist only of the sum of nitric nitrogen, ammoniacal nitrogen, ureic nitrogen, and nitrogen from methylene-urea, from isobutyliidenediurea, and from crotonyliidenediurea.

PFC 1(A): ORGANIC FERTILISER

The following information shall be provided:

(a) the declared primary nutrients nitrogen (N), phosphorus (P) or potassium (K), by their chemical symbols in the order N-P-K;

(b) the declared secondary nutrients calcium (Ca), magnesium (Mg), sodium (Na), or sulphur (S) by their chemical symbols in the order Ca-Mg-Na-S;

(c) numbers indicating the content of the declared nutrients total nitrogen (N), total phosphorus in the form of phosphorus pentoxide (P_2O_5) or total potassium in the form of potassium oxide (K_2O), followed by numbers in brackets indicating the total content of calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na_2O) or sulphur trioxide (SO_3);

(d) the content of the following declared nutrients and other parameters, in the following order and as % by mass:

(i) nitrogen (N):

- total nitrogen (N);
- minimum amount of organic nitrogen (N_{org}), followed by a description of the origin of the organic matter used;
- nitrogen in the form of ammoniacal nitrogen;

(ii) total phosphorus pentoxide (P_2O_5);

(iii) total potassium oxide (K_2O);

(iv) calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na_2O) and sulphur trioxide (SO_3), expressed:

- where those nutrients are totally soluble in water, only as the content soluble in water;

‘– where the soluble content of those nutrients is at least a quarter of the total content of those nutrients,

(1) as the total content; and

(2) as the content soluble in water;*

- in other cases, as the total content;

‘(v) organic carbon (C_{org});*

(vi) dry matter;*

‘(e) the ratio of organic carbon to total nitrogen (C_{org}/N);*

(f) production date;*

(g) the form of the physical unit of the product, such as powder or pellets, if applicable.

PFC 1(B): ORGANO-MINERAL FERTILISER

1. The following information shall be provided:

(a) the declared primary nutrients nitrogen (N), phosphorus (P) or potassium (K), by their chemical symbols in the order N-P-K;

(b) where applicable, the declared secondary nutrients calcium (Ca), magnesium (Mg), sodium (Na) or sulphur (S) by their chemical symbols in the order Ca-Mg-Na-S;

(c) numbers indicating the content of the declared nutrients total nitrogen (N), total phosphorus in the form of phosphorus pentoxide (P_2O_5) or total potassium in the

form of potassium oxide (K_2O), followed by numbers in brackets indicating the total content of calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na_2O) or sulphur trioxide (SO_3);

(d) the content of the following declared nutrients and other parameters, in the following order and as % by mass:

(i) nitrogen (N):

- total nitrogen (N);
- minimum amount of organic nitrogen (N_{org}), followed by a description of the origin of the organic matter used;
- nitrogen in the form of nitric nitrogen;
- nitrogen in the form of ammoniacal nitrogen;
- nitrogen in the form of urea nitrogen;

(ii) phosphorus pentoxide (P_2O_5):

- total phosphorus pentoxide (P_2O_5);
- water-soluble phosphorus pentoxide (P_2O_5);
- phosphorus pentoxide (P_2O_5) soluble in neutral ammonium citrate;
- where soft ground phosphate is present, phosphorus pentoxide (P_2O_5) soluble in formic acid;

(iii) potassium oxide (K_2O):

- total potassium oxide (K_2O);
- water soluble potassium oxide (K_2O);

(iv) calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na_2O) and sulphur trioxide (SO_3), expressed:

- where those nutrients are totally soluble in water, only as the content soluble in water;

‘– where the soluble content of those nutrients is at least a quarter of the total content of those nutrients,

(1) as the total content; and

(2) as the content soluble in water;’

- in other cases, as the total content;

‘(v) organic carbon (C_{org});*

(vi) dry matter;’*

(e) where urea (CH_4N_2O) is present, information about the possible air quality impacts of the release of ammonia from the fertiliser use, and an invitation to users to apply appropriate remediation measures.

2. Where one or more of the micronutrients boron (B), cobalt (Co), iron (Fe), manganese (Mn) and molybdenum (Mo) are present in the minimum content indicated as % by mass in the following table, they:

- shall be declared if they are intentionally added to an organo-mineral fertiliser, and

– may be declared in other cases:

Micronutrient	Content of micronutrient (% by mass)		
	Solid organo-mineral fertiliser		Liquid organo-mineral fertiliser
	Intended for use on crops or grassland	Intended for horticultural use	
Boron (B)	0,01	0,01	0,01
Cobalt (Co)	0,002	n.a.	0,002
Iron (Fe)	0,5	0,02	0,02
Manganese (Mn)	0,1	0,01	0,01
Molybdenum (Mo)	0,001	0,001	0,001

3. Where one or both of the micronutrients copper (Cu) and zinc (Zn) are present, without being intentionally added, in the minimum content indicated as % by mass in the following table, they may be declared:

Micronutrient	Content of micronutrient (% by mass)		
	Solid organo-mineral fertiliser		Liquid organo-mineral fertiliser
	Intended for use on crops or grassland	Intended for horticultural use	
Copper (Cu)	0,01	0,002	0,002
Zinc (Zn)	0,01	0,002	0,002

4. Where copper (Cu) or zinc (Zn) is intentionally added to the organo-mineral fertiliser, the total content of copper (Cu) or zinc (Zn) shall be declared.

5. The micronutrients referred to in points 2, 3 and 4 shall be declared after the information on macronutrients. The following information shall be provided:

(a) indication of the names and chemical symbols of the declared micronutrients, listed in the following order: boron (B), cobalt (Co), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo) and zinc (Zn), followed by the names of their counter-ions when the declared micronutrients are intentionally added;

(b) the total micronutrient content expressed as % by mass:

- where those micronutrients are totally soluble in water, only as the content soluble in water;
 ‘– where the soluble content of those micronutrients is at least a quarter of the total content of those micronutrients,
 (1) as the total content; and
 (2) as the content soluble in water;*’
 - in other cases, as the total content;
-

(c) where the declared micronutrients are chelated by chelating agent(s) or complexed by complexing agent(s):

- the following qualifier as applicable, after the name and chemical identifier of the micronutrient:

‘chelated by [name of the chelating agent(s) or its(their) abbreviation]’/‘complexed by [name of the complexing agent(s) or its(their) abbreviation]’/‘chelated by [name of the chelating agent(s) or its(their) abbreviation] and complexed by [name of the complexing agent(s) or its (their) abbreviation]’;

‘– the amount of chelated/complexed micronutrient(s) as % by mass;*’

‘(ca) where the declared micronutrients are chelated by chelating agent(s), the pH range guaranteeing acceptable stability;*’

“

(e) where micronutrients are intentionally added, the following statement: ‘To be used only where there is a recognised need. Do not exceed the application rate’.

6. Where an organo-mineral fertiliser has a cadmium (Cd) content equal to or lower than 20 mg/kg phosphorus pentoxide (P₂O₅), the statement ‘Low cadmium (Cd) content’ or similar, or a visual representation to that effect, may be added.

PFC 1(C): INORGANIC FERTILISER

PFC 1(C)(I): INORGANIC MACRONUTRIENT FERTILISER

1. The following information shall be provided:

- (a) where applicable, the declared primary nutrients nitrogen (N), phosphorus (P) or potassium (K), by their chemical symbols in the order N-P-K;
- (b) where applicable, the declared secondary nutrients calcium (Ca), magnesium (Mg), sodium (Na) or sulphur (S) by their chemical symbols in the order Ca-Mg-Na-S;
- (c) numbers indicating the content of the declared nutrients total nitrogen (N), total phosphorus in the form of phosphorus pentoxide (P₂O₅) or total potassium in the form of potassium oxide (K₂O), followed by numbers in brackets indicating the total

content of calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na₂O) or sulphur trioxide (SO₃);

(d) the content of the following declared nutrients, in the following order and as % by mass:

(i) nitrogen (N):

- total nitrogen (N);
- nitrogen in the form of nitric nitrogen;
- nitrogen in the form of ammoniacal nitrogen;
- nitrogen in the form of urea nitrogen;
- nitrogen from urea formaldehyde, isobutylidenediurea, crotonylidenediurea;
- nitrogen from cyanamide nitrogen;

(ii) phosphorus pentoxide (P₂O₅):

- total phosphorus pentoxide (P₂O₅);
- water-soluble phosphorus pentoxide (P₂O₅);
- phosphorus pentoxide (P₂O₅) soluble in neutral ammonium citrate;
- where soft ground phosphate is present, phosphorus pentoxide (P₂O₅) soluble in formic acid;

(iii) water soluble potassium oxide (K₂O);

(iv) calcium oxide (CaO), magnesium oxide (MgO), sodium oxide (Na₂O) and sulphur trioxide (SO₃), expressed:

- where those nutrients are totally soluble in water, only as the content soluble in water;

‘– where the soluble content of those nutrients is at least a quarter of the total content of those nutrients,

– (1) as the total content; and

(2) as the content soluble in water;*

- in other cases, as the total content;

(e) where urea (CH₄N₂O) is present, information about the possible air quality impacts of the release of ammonia from the fertiliser use, and an invitation to users to apply appropriate remediation measures.

2. Where an inorganic macronutrient fertiliser has a cadmium (Cd) content equal to or lower than 20 mg/kg phosphorous pentoxide (P₂O₅), the statement ‘Low cadmium (Cd) content’ or similar, or a visual representation to that effect, may be added.

PFC 1(C)(I)(a): SOLID INORGANIC MACRONUTRIENT FERTILISER

1. A solid inorganic macronutrient fertiliser may be labelled ‘complex’ only if each physical unit contains all the declared nutrients in their declared content.

‘2. The granulometry of a solid inorganic macronutrient fertiliser shall be indicated, expressed as % by mass of the product passing through a determined sieve.*

3. The form of the physical unit of the product shall be indicated with one, or a combination of two or more, of the following mentions:

- (a) granules,
- (b) pellets,
- (c) powder, where at least 90 % by mass of the product can pass through a sieve with a mesh of 1 mm, or
- (d) prills,

‘For coated solid inorganic macronutrient fertilisers, the following shall be indicated:’

‘(-a) the name of the coating agents;

(-aa) the percentage of fertiliser coated by each coating agent;*

- (a) for polymer coated solid inorganic macronutrient fertilisers, the following marking: ‘The rate of nutrient releases can vary according to the temperature of the substrate. An adjustment of fertilisation may be necessary’; and
- (b) for sulphur (S) coated solid inorganic macronutrient fertilisers and sulphur (S)/polymer coated solid inorganic macronutrient fertilisers, the following marking: ‘The rate of nutrient release can vary according to the temperature of the substrate and the biological activity. An adjustment of fertilisation may be necessary’.

5. Where one or more of the micronutrients boron (B), cobalt (Co), iron (Fe), manganese (Mn) and molybdenum (Mo) are present in the minimum content indicated in the following table as % by mass, they:

- shall be declared if they are intentionally added to the solid inorganic macronutrient fertiliser, and
- may be declared in other cases:

Micronutrient	Content of micronutrients (% by mass)	
	Intended for use on crops or grassland	Intended for horticultural use
Boron (B)	0,01	0,01
Cobalt (Co)	0,002	n.a.
Iron (Fe)	0,5	0,02
Manganese (Mn)	0,1	0,01
Molybdenum (Mo)	0,001	0,001

6. Where one or both of the micronutrients copper (Cu) and zinc (Zn) are present, without being intentionally added, in the minimum content indicated as % by mass in the following table, they may be declared:

Micronutrient	Content of micronutrients (% by mass)	
	Intended for use on crops or grassland	Intended for horticultural use
Copper (Cu)	0,01	0,002
Zinc (Zn)	0,01	0,002

7. Where copper (Cu) or zinc (Zn) is intentionally added to the solid inorganic macronutrient fertiliser the total content of copper (Cu) or zinc (Zn) shall be declared.

8. The micronutrients referred to in points 5, 6 and 7 shall be declared after the information on macronutrients. The following information shall be provided:

(a) indication of the names and chemical symbols of the declared micronutrients, listed in the following order: boron (B), cobalt (Co), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo) and zinc (Zn), followed by the names of their counter-ions when the declared micronutrients are intentionally added;

(b) the total micronutrient content expressed as % by mass:

– where those micronutrients are totally soluble in water, only as the content soluble in water;

‘–where the soluble content of those micronutrients is at least a quarter of the total content of those micronutrients,

(1) as the total content; and

(2) as the content soluble in water;*

– in other cases, as the total content;

(c) where the declared micronutrients are chelated by chelating agent(s) or complexed by complexing agent(s):

– the following qualifier, as applicable, after the name and chemical identifier of the micronutrient:

‘chelated by [name of the chelating agent(s) or its(their) abbreviation]’/‘complexed by [name of the complexing agent(s) or its(their) abbreviation]’/‘chelated by [name of the chelating agent(s) or its(their) abbreviation] and complexed by [name of the complexing agent(s) or its (their) abbreviation]’;

‘– the amount of chelated/complexed micronutrient(s) as % by mass;*

‘(ca) where the declared micronutrients are chelated by chelating agent(s), the pH range guaranteeing acceptable stability;’

6.9

(e) where micronutrients are intentionally added, the following statement: ‘To be used only where there is a recognised need. Do not exceed the application rate’.

PFC 1(C)(I)(b): LIQUID INORGANIC MACRONUTRIENT FERTILISER

‘1. The label shall indicate whether the liquid inorganic macronutrient fertiliser is in suspension or in solution.’

2. The nutrient content may be indicated as % by mass or volume.
3. Where one or more of the micronutrients boron (B), cobalt (Co), iron (Fe), manganese (Mn) and molybdenum (Mo) are present in the minimum content indicated in the following table as % by mass, they:
 - shall be declared if they are intentionally added to the liquid inorganic macronutrient fertiliser, and
 - may be declared in other cases:

Micronutrient	Content of micronutrient (% by mass)
Boron (B)	0,01
Cobalt (Co)	0,002
Iron (Fe)	0,02
Manganese (Mn)	0,01
Molybdenum (Mo)	0,001

4. Where one or both of the micronutrients copper (Cu) and zinc (Zn) are present, without being intentionally added, by at least 0,002 % by mass, they may be declared.
5. Where copper (Cu) or zinc (Zn) is intentionally added to the liquid inorganic macronutrient fertiliser the total content of copper (Cu) or zinc (Zn) shall be declared.
6. The micronutrients referred to in points 3, 4 and 5 shall be declared after the information on macronutrients. The following information shall be provided:

(a) indication of the names and chemical symbols of the declared micronutrients, listed in the following order: boron (B), cobalt (Co), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo) and zinc (Zn), followed by the names of their counter-ions when the declared micronutrients are intentionally added;

-
- (b) the total micronutrient content expressed as % by mass or volume:
- where those micronutrients are totally soluble in water, only as the content soluble in water;
**‘– where the soluble content of those micronutrients is at least a quarter of the total content of those micronutrients,
(1) as the total content; and
(2) as the content soluble in water;’***
 - in other cases, as the total content;
-

(c) where the declared micronutrients are chelated by chelating agent(s) or complexed by complexing agent(s):

- the following qualifier, as applicable, after the name and chemical identifier of the micronutrient:

‘chelated by [name of the chelating agent(s) or its(their) abbreviation]’/‘complexed by [name of the complexing agent(s) or its(their) abbreviation]’/‘chelated by [name of the chelating agent(s) or its(their) abbreviation] and complexed by [name of the complexing agent(s) or its (their) abbreviation]’;

‘– the amount of chelated/complexed micronutrient(s) as % by mass;’*

‘(ca) where the declared micronutrients are chelated by chelating agent(s), the pH range guaranteeing acceptable stability;’*

‘,

- (e) where micronutrients are intentionally added, the following statement: ‘To be used only where there is a recognised need. Do not exceed the application rate’.

PFC 1(C)(II): INORGANIC MICRONUTRIENT FERTILISER

‘1. In the inorganic micronutrient fertiliser, the following shall be indicated:

- **the declared micronutrients listed by their names and chemical symbols of the declared micronutrients, in the following order: boron (B), cobalt (Co), copper (Cu), iron (Fe), manganese (Mn), molybdenum (Mo) and zinc (Zn);
the names of their counter-ions when the declared micronutrients are intentionally added.*’**
-

2. Where the declared micronutrients are chelated by chelating agent(s) and each chelating agent can be identified and quantified and chelates at least 1 % water-soluble micronutrient, or the declared micronutrients are complexed by complexing agent(s), the following qualifiers shall be added, as applicable, after the name and chemical identifier of the micronutrient:

- ‘chelated by [name of the chelating agent(s) or its(their) abbreviation]’/‘complexed by [name of the complexing agent(s) or its(their) abbreviation]’/‘chelated by [name of the chelating agent(s) or its(their) abbreviation] and complexed by [name of the complexing agent(s) or its (their) abbreviation]’,
- **‘– the amount of chelated/complexed micronutrient(s) as % by mass.*’**

‘2a. Where the declared micronutrients are chelated by chelating agent(s), the pH range guaranteeing acceptable stability shall be indicated.*’

4. The following statement shall appear: ‘To be used only where there is a recognised need. Do not exceed the application rate’.

PFC 1(C)(II)(a): STRAIGHT INORGANIC MICRONUTRIENT FERTILISER

‘1. The label shall indicate the relevant typology, as referred to in the table under PFC 1(C)(II)(a) in Part II of Annex I.*’

2. The total micronutrient content shall be expressed as % by mass:

- where the micronutrient is totally soluble in water, only as the content soluble in water;

‘– where the soluble content of the micronutrient is at least a quarter of the total content of that micronutrient:

(1) as the total content; and

(2) as the content soluble in water;*

- in other cases, as the total content.

PFC 1(C)(II)(b): COMPOUND INORGANIC MICRONUTRIENT FERTILISER

1. Micronutrients may be declared only if they are present in the minimum content indicated in the following table as % by mass:

Micronutrient	Content of micronutrient (% by mass)	
	Non-chelated, non-complexed	Chelated or complexed
Boron (B)	0,2	n.a.
Cobalt (Co)	0,02	0,02
Copper (Cu)	0,5	0,1
Iron (Fe)	2	0,3
Manganese (Mn)	0,5	0,1
Molybdenum (Mo)	0,02	n.a.

Zinc (Zn)	0,5	0,1
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2. If the compound inorganic micronutrient fertiliser is in suspension or in solution, the label shall indicate 'in suspension' or 'in solution', as relevant.

3. The total micronutrient content shall be expressed as % by mass:

- where the micronutrients are totally soluble in water, only as the content soluble in water;

‘– where the soluble content of the micronutrients is at least half of the total content of those micronutrients:

(1) as the total content; and

(2) as the content soluble in water;*

- in other cases, as the total content.

PFC 2: LIMING MATERIAL

The following parameters shall be declared in the following order:

- neutralising value;
- granulometry, expressed as % by mass of product passing through a sieve of 1,0 mm;
- total calcium oxide (CaO), expressed as % by mass;
- total magnesium oxide (MgO), expressed as % by mass;

‘– reactivity and method of determination of reactivity, except for oxide and hydroxide limes.*’

PFC 3: SOIL IMPROVER

1. The dry matter content expressed as % by mass shall be declared.

2. The following nutrients expressed as % by mass shall be declared, if exceeding 0,5 % by mass: nitrogen (N), phosphorus pentoxide (P₂O₅) and potassium oxide (K₂O).

PFC 3(A): ORGANIC SOIL IMPROVER

The following parameters shall be declared:

‘– pH;*

- electrical conductivity, given as mS/m;

‘– organic carbon (C_{org}) content, expressed as % by mass;*

- minimum amount of organic nitrogen (N_{org}), expressed as % by mass, followed by a description of the origin of the organic matter used;

‘– the ratio of organic carbon to total nitrogen (C_{org}/N).*’

PFC 4: GROWING MEDIUM

The following parameters shall be declared in the following order:

- electrical conductivity given as mS/m, except for mineral wool;

‘– pH;*

- quantity:
 - for mineral wool, expressed as number of pieces and the three dimensions length, height, and width;
 - for other pre-shaped growing media, expressed as size in at least two dimensions;
 - for other growing media, expressed as total volume;
 - except for pre-shaped growing media, quantity expressed as volume of materials with a particle size greater than 60 mm, when present;
- ‘– nitrogen (N) extractable by CaCl₂/DTPA (calcium chloride/diethylenetriaminepentaacetic acid; ‘CAT-soluble’), if above 150 mg/l;*
- phosphorus pentoxide (P₂O₅) extractable by CaCl₂/DTPA (calcium chloride/diethylenetriaminepentaacetic acid; ‘CAT-soluble’), if above 20 mg/l;*
- potassium oxide (K₂O) extractable by CaCl₂/DTPA (calcium chloride/diethylenetriaminepentaacetic acid; ‘CAT-soluble’), if above 150 mg/l;*
- production date*.’

‘PFC 5: INHIBITOR

- 1. All ingredients shall be declared by product weight or volume in descending order of magnitude.***
- 2. The content of the inhibiting compound(s) as % by mass or volume shall be declared.***
- 3. The use instructions referred to in point 1(da) of Part I of this Annex shall contain information on:**
 - (a) the types of EU fertilising products with which the inhibitor may be mixed*, in particular:**
 - (i) for the nitrification inhibitor referred to in PFC 5(A) in Part II of Annex I, an EU fertilising product in which at least 50 % of the total nitrogen (N) content consists of the nitrogen (N) forms ammonium (NH₄⁺) and urea (CH₄N₂O);***
 - (ii) for the urease inhibitor referred to in PFC 5(C) in Part II of Annex I, an EU fertilising product in which at least 50 % of the total nitrogen (N) content consists of the nitrogen (N) form urea (CH₄N₂O);***
 - (b) the minimum and maximum recommended concentration of inhibiting compound(s) when mixed with a fertiliser prior to its use:**
 - (i) for the nitrification inhibitor referred to in PFC 5(A) in Part II of Annex I, expressed as a % by mass of the total nitrogen (N) present as ammonium nitrogen (NH₄⁺) and urea nitrogen (CH₄N₂O);***
 - (ii) for the denitrification inhibitor referred to in PFC 5(B) in Part II of Annex I, expressed as a % by mass of the nitrate (NO₃⁻) present;***

(iii) for the urease inhibitor referred to in PFC 5(C) in Part II of Annex I, expressed as a % by mass of the total nitrogen (N) present as urea nitrogen ($\text{CH}_4\text{N}_2\text{O}$).*

‘PFC 6: PLANT BIOSTIMULANT

The following information shall be provided:

- (a) physical form;
- (b) production date;*
- (ba) expiry date;
- (c) application method(s);*
- (d) effect claimed for each target plant;* and
- (e) any relevant instructions related to the efficacy of the product, including soil management practices, chemical fertilisation, incompatibility with plant protection products, recommended spraying nozzles size, sprayer pressure and other anti-drift measures.*

‘PFC 6(A): MICROBIAL PLANT BIOSTIMULANT

1. All intentionally added micro-organisms shall be indicated.
2. Where the micro-organism has several strains, the intentionally added strains shall be indicated.
3. The concentration of micro-organisms and, where applicable, strains shall be expressed as the number of active units per volume or weight, or in any other manner that is relevant to the micro-organism, e.g. colony forming units per gram (cfu/g).*
4. The label shall contain the following phrase: ‘Micro-organisms may have the potential to provoke sensitising reactions’.

PFC 7: FERTILISING PRODUCT BLEND

All the labelling requirements applicable to all component EU fertilising products apply to the fertilising product blend, and shall be expressed in relation to the final fertilising product blend.

‘Where the fertilising product blend contains one or more plant biostimulants belonging to PFC 6, the concentration of each plant biostimulant in the blend shall be indicated in g/kg or g/l at 20 °C.*’

Where the fertilising product blend contains one or more inhibitors belonging to PFC 5, the use instructions referred to in point 3 in PFC 5 in Part II of this Annex shall not be added.