

II

(Acts whose publication is not obligatory)

COMMISSION

COMMISSION DIRECTIVE 93/69/EEC

of 23 July 1993

adapting to technical progress Council Directive 76/116/EEC on the approximation of the laws of the Member States relating to fertilizers

THE COMMISSION OF THE EUROPEAN COMMUNITIES,

Having regard to the Treaty establishing the European Economic Community, and in particular Article 100a thereof,

Having regard to Council Directive 76/116/EEC of 18 December 1975 on the approximation of the laws of the Member States relating to fertilizers⁽¹⁾, as last amended by Directive 89/530/EEC⁽²⁾, and in particular Article 9(1) thereof,

Whereas Article 8a of the Treaty envisages an area without internal frontiers in which the free circulation of goods, persons, services and capital is assured;

Whereas Directive 76/116/EEC laid down rules for the marketing of EEC fertilizers;

Whereas new fertilizers need to be added to Annex I to Directive 76/116/EEC to enable them to be designated as 'EEC fertilizer'; whereas Council Directives 89/284/EEC⁽³⁾ and 89/530/EEC supplementing and amending Directive 76/116/EEC both have specific Annexes which have not been incorporated into Annex I to Directive 76/116/EEC; whereas, therefore, it is necessary to restructure Annex I to Directive 76/116/EEC to make it clearer and easier to read and understand;

Whereas, in view of the scope and effects of the proposed action, the Community measures envisaged by this Directive are not only necessary but also indispensable for the attainment of the stated objectives; whereas those objec-

tives cannot be achieved by Member States individually, and furthermore their attainment at Community level is already provided for by Directive 76/116/EEC;

Whereas the measures provided for in this Directive are in accordance with the opinion of the Committee on the Adaptation to Technical Progress of the Directives for Removing Technical Barriers to Trade in Fertilizers,

HAS ADOPTED THIS DIRECTIVE:

Article 1

Annex I to Directive 76/116/EEC shall be amended as follows:

- (a) the straight nitrogenous fertilizers listed in Annex I to this Directive shall be added to point 1 of Part A;
- (b) the compound fertilizers listed in Annex II to this Directive shall be added to Part B;
- (c) the fluid fertilizer listed in Annex III to this Directive shall be added to point 1 of Part C.

Article 2

1. Annex I to Directive 89/284/EEC shall become Part D of Annex I to Directive 76/116/EEC and shall be entitled 'Secondary nutrient fertilizers'.

2. The fertilizer listed in Annex IV to this Directive shall be added to Part D of Annex I to Directive 76/116/EEC.

⁽¹⁾ OJ No L 24, 30. 1. 1976, p. 21.

⁽²⁾ OJ No L 281, 30. 9. 1989, p. 116.

⁽³⁾ OJ No L 111, 22. 4. 1989, p. 34.

Article 3

1. The Annex to Directive 89/530/EEC shall become Part E of Annex I to Directive 76/116/EEC and shall be entitled 'Trace element fertilizers'.

2. Chapter A in Part E of Annex I to Directive 76/116/EEC shall be replaced by Annex V to this Directive.

Article 4

1. Member States shall adopt and publish the laws, regulations and administrative provisions necessary to comply with this Directive no later than 30 April 1994. They shall forthwith inform the Commission thereof.

When Member States adopt these provisions, these shall contain a reference to this Directive or shall be accompanied by such reference at the time of their official publi-

cation. The procedure for such reference shall be adopted by Member States.

2. Member States shall apply these provisions with effect from 1 May 1994.

Article 5

This Directive is addressed to the Member States.

Done at Brussels, 23 July 1993.

For the Commission

Martin BANGEMANN

Vice-President

ANNEX I

ANNEX I

A. STRAIGHT FERTILIZERS

1. NITROGENOUS FERTILIZERS

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6
1 c	Magnesium nitrate	Chemically obtained product containing as its essential ingredient hexahydrated magnesium nitrate	10 % N Nitrogen expressed as nitric nitrogen 14 % MgO Magnesium expressed as water-soluble magnesium oxide	When marketed in the form of crystals as note 'in crystallized form' may be added	Nitric nitrogen Water-soluble magnesium oxide
10	Crotonylidene diurea	Product obtained by reaction of urea with crotonaldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from the crotonylidene diurea. Maximum ureic nitrogen content : 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from crotonylidene diurea
11	Isobutylidene diurea	Product obtained by reaction of urea with isobutyraldehyde Monomeric compound	28 % N Nitrogen expressed as total nitrogen At least 25 % N from isobutylidene diurea Maximum ureic nitrogen content : 3 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from isobutylidene diurea
12	Urea formaldehyde	Product obtained by reaction of urea with formaldehyde and containing as its essential ingredients molecules of urea formaldehyde Polymeric compound	36 % total nitrogen Nitrogen expressed as total nitrogen At least 3/5 of the declared total nitrogen content must be soluble in hot water At least 31 % N from urea formaldehyde Maximum ureic nitrogen content : 5 %		Total nitrogen Ureic nitrogen where this is at least 1 % by weight Nitrogen from formaldehyde urea that is soluble in cold water Nitrogen from formaldehyde urea that is only soluble in hot water

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6
13	Nitrogenous fertilizer containing crotonylidene diurea	Product obtained chemically containing crotonylidene diurea and a straight nitrogen fertilizer [List A-1 in Directive 76/116/EEC, excluding products 3 (a), 3 (b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must be derived from crotonylidene diurea Maximum biuret content : (ureic N + crotonylidene diurea N) × 0,026		Total nitrogen For each form amounting to at least 1 % : nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from crotonylidene diurea
14	Nitrogenous fertilizer containing isobutylidene diurea	Product obtained chemically containing isobutylidene diurea and a straight nitrogenous fertilizer [List A-1 in Directive 76/116/EEC, excluding products 3 (a), 3 (b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form. At least 1/3 of the declared total nitrogen content must derive from isobutylidene diurea Maximum biuret content : (Ureic N + isobutylidene diurea N) × 0,026		Total nitrogen For each form amounting to at least 1 % : nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from isobutylidene diurea
15	Nitrogenous fertilizer containing urea formaldehyde	Product obtained chemically containing urea formaldehyde and a straight nitrogenous fertilizer [List A-1 in Directive 76/116/EEC, excluding products 3 (a), 3 (b) and 5]	18 % N expressed as total nitrogen At least 3 % nitrogen in ammoniacal and/or nitric and/or ureic form At least 1/3 of the declared total nitrogen content must derive from urea formaldehyde The nitrogen from the urea formaldehyde must contain at least 1/3 nitrogen that is soluble in hot water Maximum biuret content : (Ureic N + urea formaldehyde) × 0,026		Total nitrogen For each form amounting to at least 1 % : nitric nitrogen ammoniacal nitrogen ureic nitrogen Nitrogen from urea formaldehyde Nitrogen from urea formaldehyde that is soluble in cold water Nitrogen from urea formaldehyde that is only soluble in hot water

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6
16	Ammonium sulphate with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphate and dicyandiamide	20 % N Nitrogen expressed as total nitrogen Minimum ammoniacal nitrogen content : 18 % Minimum content of nitrogen from dicyandiamide : 1,5 %		Total nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information (1)
17	Ammonium sulphonitrates with nitrification inhibitor (dicyandiamide)	Chemically obtained product containing ammonium sulphonitrates and dicyandiamide	24 % N Nitrogen expressed as total nitrogen Minimum nitric nitrogen content : 3 % Minimum content of nitrogen from dicyandiamide : 1,5 %		Total nitrogen Nitric nitrogen Ammoniacal nitrogen Nitrogen from dicyandiamide Technical information (1)

(1) Technical information as complete as possible must be provided with each package or bulk consignment by the person responsible for marketing. This information must in particular enable the user to determine the rates and timing of application in relation to the crop being grown.

ANNEX II

ANNEX I

B. LIST OF COMPOUND FERTILIZER TYPES

1. NPK FERTILIZERS

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10				Data for identification of the fertilizers		
		Total	For each of the nutrients	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O	Other requirements
1	2	3	4	5	6	7	8	9	10	
NPK fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde	20 % (N + P ₂ O ₅ + K ₂ O)	5 % N At least 1/4 of the declared content of total nitrogen must derive from nitro-trogen form (5) or (6) or (7). At least 1/4 of the declared nitrogen content (7) must be soluble in hot water 5 % P ₂ O ₅ 5 % K ₂ O	(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water	(1) Water-soluble P ₂ O ₅ (2) P ₂ O ₅ soluble in neutral ammonium citrate (3) P ₂ O ₅ soluble in neutral ammonium citrate and in water	Water-soluble K ₂ O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)	An NPK fertilizer free from Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilized natural phosphate and natural phosphate must be declared in accordance with solubilities (1), (2) or (3): — when the water-soluble P ₂ O ₅ does not amount to 2 %, solubility (2) only shall be declared, — when the water-soluble P ₂ O ₅ is at least 2 %, solubility (3) shall be declared, and the water-soluble P ₂ O ₅ content must be indicated [solubility (1)]. The P ₂ O ₅ content soluble in mineral acids only must not exceed 2 %.	(1) Water-soluble potassium oxide (2) The indication 'low in chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared	The test sample for determining solubilities (2) and (3) shall be 1 g.

2. NP FERTILIZERS

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10 Particle size			Data for identification of the fertilizers Other requirements		
		Total	For each of the nutrients	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
1	2	3	4	5	6	7	8	9	10
NP fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde	18 % (N + P ₂ O ₅)	5 % N At least 1/4 of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water 5 % P ₂ O ₅	(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water	(1) Water-soluble P ₂ O ₅ (2) P ₂ O ₅ soluble in neutral ammonium citrate (3) P ₂ O ₅ soluble in neutral ammonium citrate and in water		(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)	An NP fertilizer free from Thomas slag, calcined phosphate, aluminium-phosphate, calcium phosphate, partially solubilized natural phosphate and natural phosphate must be declared in accordance with solubilities (1), (2) or (3): — when the water-soluble P ₂ O ₅ does not amount to 2 %, solubility (2) only shall be declared, — when the water-soluble P ₂ O ₅ is at least 2 %, solubility (3) shall be declared, and the water-soluble P ₂ O ₅ content must be indicated [solubility (1)]. The P ₂ O ₅ content soluble in mineral acids only must not exceed 2 %. The test sample for determining solubilities (2) and (3) shall be 1 g.	

3. NK FERTILIZERS

Type designation	Data on method of production	Minimum content of nutrients (percentage by weight)		Forms, solubilities and nutrient content to be declared as specified in columns 8, 9 and 10 Particle size			Data for identification of the fertilizers Other requirements		
		Total	For each of the nutrients	N	P ₂ O ₅	K ₂ O	N	P ₂ O ₅	K ₂ O
1	2	3	4	5	6	7	8	9	10
NK fertilizer containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)	Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde	18 % (N + K ₂ O)	5 % N At least 1/4 of the declared content of total nitrogen must derive from nitrogen form (5) or (6) or (7). At least 3/5 of the declared nitrogen content (7) must be soluble in hot water 5 % K ₂ O	(1) Total nitrogen (2) Nitric nitrogen (3) Ammoniacal nitrogen (4) Ureic nitrogen (5) Nitrogen from crotonylidene diurea (6) Nitrogen from isobutylidene diurea (7) Nitrogen from urea formaldehyde (8) Nitrogen from urea formaldehyde that is only soluble in hot water (9) Nitrogen from urea formaldehyde that is soluble in cold water		Water-soluble K ₂ O	(1) Total nitrogen (2) If any of the forms of nitrogen (2) to (4) amounts to at least 1 % by weight, it must be declared (3) One of the forms of nitrogen (5) to (7) (as appropriate) Nitrogen form (7) must be declared in the form of nitrogen (8) and (9)		(1) Water-soluble potassium oxide (2) The indication 'low in chlorine' is linked to a maximum content of 2 % Cl (3) Chlorine content may be declared

ANNEX III

ANNEX I

C. FLUID FERTILIZERS

1. STRAIGHT FLUID FERTILIZERS

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6
4	Magnesium nitrate solution	Product obtained chemically and by dissolving magnesium nitrate in water	6 % N Nitrogen expressed as nitric nitrogen 9 % MgO Magnesium expressed as water-soluble magnesium oxide Minimum pH : 4		Nitric nitrogen Water-soluble magnesium oxide

ANNEX IV

ANNEX I

D. SECONDARY NUTRIENT FERTILIZERS

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6
5.1	Magnesium sulphate solution	Product obtained by dissolution in water of magnesium sulphate of industrial origin	5 % MgO 10 % SO ₃ Magnesium and sulphur expressed as water-soluble magnesium oxide and water-soluble sulphuric anhydride	Usual trade names may be added	Water-soluble magnesium oxide Optionally : water-soluble sulphuric anhydride

ANNEX V

ANNEX I

E

Explanatory note: The following notes are applicable to the whole of part E.

Note 1: A chelating agent may be designated by means of its initials as set out in Chapter E.

Note 2: If the product leaves no solid residue after being dissolved in water it may be described as 'for dissolution'.

Note 3: Where a trace element is present in a chelated form, the pH range guaranteeing acceptable stability of the chelated fraction shall be stated.

CHAPTER A

FERTILIZERS CONTAINING ONLY ONE TRACE ELEMENT

Number	Type designation	Data on method of production and essential ingredients	Minimum content of nutrients (percentage by weight) Data on the expression of nutrients Other requirements	Other data on the type of designation	Nutrient content to be declared Forms and solubilities of the nutrients Other criteria
1	2	3	4	5	6

BORON

1a	Boric acid	Product obtained by the action of an acid on a borate	14 % water-soluble B	The usual trade names may be added.	Water-soluble boron (B)
1b	Sodium borate	Chemically obtained product containing as its essential component a sodium borate	10 % water-soluble B	The usual trade names may be added.	Water-soluble boron (B)
1c	Calcium borate	Product obtained from colemanite or pandermite containing as its essential ingredient calcium borates	7 % total B Particle size: at least 98 % passing through a 0,063 mm sieve	The usual trade names may be added.	Total boron (B)
1d	Boron ethanol amine	Product obtained by reacting a boric acid with an ethanol amine	8 % water-soluble B		Water-soluble boron (B)
1e	Borated fertilizer in solution	Product obtained by dissolving types 1a and/or 1b and/or 1d	2 % water-soluble B	The designation must include the names of the constituents present	Water-soluble boron (B)
1f	Borated fertilizer in suspension	Product obtained by suspending types 1a and/or 1b and/or 1d in water	2 % water-soluble B	The designation must include the names of the constituents present	Water-soluble boron (B)

1	2	3	4	5	6
COBALT					
2a	Cobalt salt	Chemically obtained product containing a mineral salt of cobalt as its essential ingredient	19 % water-soluble Co	The designation must include the name of the mineral anion	Water-soluble cobalt (Co)
2b	Cobalt chelate	Water-soluble product obtained by combining cobalt chemically with a chelating agent	2 % water-soluble Co, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble cobalt (Co) Chelated cobalt (Co)
2c	Cobalt fertilizer solution	Product obtained by dissolving types 2a and/or one of the type 2b in water	2 % water-soluble Co	The designation must include : (a) the name(s) of the mineral anion(s); (b) the name of any chelating agent if present.	Water-soluble cobalt (Co). Chelated cobalt (Co) if present
COPPER					
3a	Copper salt	Chemically obtained product containing a mineral salt of copper as its essential ingredient	20 % water-soluble Cu	The designation must include the name of the mineral anion	Water-soluble copper (Cu)
3b	Copper oxide	Chemically obtained product containing copper oxide as its essential ingredient	70 % total Cu Particle size : at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3c	Copper hydroxide	Chemically obtained product containing copper hydroxide as its essential ingredient	45 % total Cu Particle size : at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3d	Copper chelate	Water-soluble product obtained by combining copper chemically with a chelating agent	9 % water-soluble Cu, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble copper (Cu). Chelated copper (Cu)
3e	Copper-based fertilizer	Product obtained by mixing types 3a and/or 3b and/or 3c and/or a single one of type 3d and, if required, filler that is neither nutrient nor toxic	5 % total Cu	The designation must include : (a) the name(s) of the copper components; (b) the name of any chelating agent if present.	Total copper (Cu) Water-soluble copper (Cu) if this accounts for at least of the total copper Chelated cobalt (Co) if present
3f	Copper fertilizer solution	Product obtained by dissolving types 3a and/or 3d in water	3 % water-soluble Cu	The designation must include : (a) the name(s) of the mineral anion(s); (b) the name of any chelating agent if present.	Water-soluble cobalt (Co) Chelated cobalt (Co) if present

1	2	3	4	5	6
3g	Copper oxychloride	Chemically-obtained product containing copper oxychloride $[\text{Cu}_2\text{Cl}(\text{OH})_3]$ as an essential ingredient	50 % total Cu Particle size : at least 98 % passing through a 0,063 mm sieve		Total copper (Cu)
3h	Copper oxychloride suspension	Product obtained by suspension of type 3g	17 % total Cu		Total copper (Cu)

IRON

4a	Iron salt	Chemically obtained product containing a mineral iron salt as its essential ingredient	12 % water-soluble Fe	The designation must include the name of the mineral anion	Water-soluble iron (Fe)
4b	Iron chelate	Water-soluble product obtained by combining iron chemically with a chelating agent	5 % water-soluble Fe, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble iron (Fe) Chelated iron (Fe)
4c	Iron fertilizer solution	Product obtained by dissolving types 4a and/or one of the type 4b in water	2 % water-soluble Fe	The designation must include : (a) the name(s) of the mineral anion(s); (b) the name of any chelating agent if present.	Water-soluble iron (Fe) Chelated iron (Fe) if present

MANGANESE

5a	Manganese salt	Chemically obtained product containing a mineral manganese salt (Mn II) as its essential ingredient	17 % water-soluble Mn	The designation must include the name of the combined anion	Water-soluble manganese (Mn)
5b	Manganese chelate	Water-soluble product obtained by combining manganese chemically with a chelating agent	5 % water-soluble Mn, at least 8/10 of the declared value of which has been chelated	Name of the chelating agent	Water-soluble manganese (Mn) Chelated manganese (Mn)
5c	Manganese oxide	Chemically obtained product containing manganese oxides as essential ingredients	40 % total Mn Particle size : at least 80 % passing through a 0,063 mm sieve		Total manganese (Mn)
5d	Manganese-based fertilizer	Product obtained by mixing types 5a and 5c	17 % total Mn	The designation must include the name of the manganese components	Total manganese (Mn) Water-soluble manganese (Mn) if this accounts for at least 1/4 of the total manganese
5e	Manganese-based solution	Product obtained by dissolving types 5a and/or one of the type 5b in water	3 % water-soluble Mn	The designation must include : (a) the name(s) of the mineral anion(s); (b) the name of any chelating agent if present.	Water-soluble manganese (Mn) Chelated manganese (Mn) if present

1	2	3	4	5	6
MOLYBDENUM					
6a	Sodium molybdate	Chemically obtained product containing sodium molybdate as its essential ingredient	35 % water-soluble Mo		Water-soluble molybdenum (Mo)
6b	Ammonium molybdate	Chemically obtained product containing ammonium molybdate as its essential ingredients	50 % water-soluble Mo		Water-soluble molybdenum (Mo)
6c	Molybdenum-based fertilizer	Product obtained by mixing types 6a and 6b	35 % water-soluble Mo	The designation must include the names of the molybdenum components	Water-soluble molybdenum (Mo)
6d	Molybdenum-based fertilizer solution	Product obtained by dissolving types 6a and/or one of the type 6b in water	3 % water-soluble Mo	The designation must include the name(s) of the molybdenum component(s)	Water-soluble molybdenum (Mo)
ZINC					
7a	Zinc salt	Chemically obtained product and having as its essential ingredient a mineral salt of zinc	15 % water-soluble Zn	The designation must include the name of the mineral anion	Water-soluble zinc (Zn)
7b	Zinc chelate	Water-soluble product obtained by combining zinc chemically with a chelating agent	5 % water-soluble Zn, at least 8/10 of the declared content of which has been chelated	Name of the chelating agent	Water-soluble zinc (Zn) Chelated Zinc (Zn)
7c	Zinc oxide	Chemically obtained product and having as its essential ingredient zinc oxide	70 % total Zn Particle size : at least 80 % passing through a 0,063 mm sieve		Total zinc (Zn)
7d	Zinc-based fertilizer	Product obtained by mixing types 7a and 7c	30 % total Zn	The designation must include the name of the zinc components present	Total zinc (Zn) Water-soluble zinc (Zn) if this accounts for at least 1/4 of the total zinc (Zn)
7e	Zinc-based fertilizer solution	Product obtained by dissolving types 7a and/or one of type 7b in water	3 % water-soluble Zn	The designation must include : (a) the name(s) of the mineral anion(s); (b) the name of any chelating agent if present.	Water-soluble zinc (Zn) Chelated zinc (Zn) if present