

1995 No. 49

AGRICULTURE

**The Fertilisers (Amendment) Regulations
(Northern Ireland) 1995***Made* 24th February 1995*Coming into operation* 3rd April 1995

The Department of Agriculture, in exercise of the powers conferred on it by sections 66(1), 68(1), (2) and (3), 69(1), (3), (6) and (7), 70(1), 74(1), 74A(1), (2) and (4), 84 and 86(1), (2); (3) and (9) of the Agriculture Act 1970(a) and of all other powers enabling it in that behalf, after consultation with such persons or organisations as appear to it to represent the interests concerned, being a Department designated(b) for the purposes of section 2(2) of the European Communities Act 1972(c) in relation to the regulation and control of classification, packaging and labelling of dangerous substances and preparations, in exercise of the powers conferred on it by the said section 2(2), and of all other powers enabling it in that behalf, hereby makes the following Regulations:

Citation, commencement and interpretation

1.—(1) These Regulations may be cited as the Fertilisers (Amendment) Regulations (Northern Ireland) 1995 and shall come into operation on 3rd April 1995.

(2) In these Regulations “the principal Regulations” means the Fertilisers Regulations (Northern Ireland) 1992(d).

(3) The Interpretation Act (Northern Ireland) 1954(e) shall apply to these Regulations as it applies to a Measure of the Northern Ireland Assembly.

Amendment of the principal Regulations

2. The principal Regulations are hereby amended in accordance with regulations 3 and 4.

3.—(1) After regulation 3 there shall be inserted the following regulation:

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- (a) 1970 c. 40; section 74A was inserted by s. 4(1) of, and paragraph 6 of Schedule 4 to the European Communities Act 1972 (c. 68) and there are other amendments to the Act not relevant to these Regulations
(b) S.I. 1976/897
(c) 1972 c. 68; section 2 is subject to Schedule 2 to that Act and is to be read with S.I. 1984/703 (N.I. 3) and S.R. 1984 No. 253
(d) S.R. 1992 No. 187
(e) 1954 c. 33 (N.I.)

“3A. A person shall not sell for the final use by the purchaser as a fertiliser any ammonium nitrate as defined in column (3) of Section A of the table in Schedule 1 which, not being designated as an EEC fertiliser, contains more than 28% by weight of nitrogen, unless the material is in a container which complies with the provisions of Part II of Schedule 2.”

(2) In regulation 4—

- (a) in paragraph (1), the words “or have in possession with a view to sale” shall be deleted;
- (b) in paragraph (3), for the words “the intending purchaser” there shall be substituted the words “any intending purchaser”.

4. In the table in Schedule 1—

(a) in Group 1(a) of Section A (“STRAIGHT FERTILISERS”)—

- (i) in the provisions relating to ammonium nitrate, in column (3) (“*Meaning*”) the words “is designated as an EEC fertiliser and” shall be deleted;
- (ii) after the provisions relating to the material Nitrate of lime and magnesium, there shall be inserted in columns (2) to (4) the following provisions:

<p>“Magnesium nitrate.</p> <p>When marketed in the form of crystals a note “in crystallized form” may be added.</p>	<p>Chemically obtained product containing as its essential ingredient hexahydrated magnesium nitrate and containing not less than 10% nitric nitrogen (N) and 14% magnesium oxide (MgO).</p>	<p>Amount of:— nitric nitrogen; magnesium oxide soluble in water.”</p>
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(iii) after the provisions relating to the material Urea, there shall be inserted in columns (2) to (4) the contents of Schedule 1;

(b) in Section B (“COMPOUND FERTILIZERS”)—

- (i) at the end of the provisions relating to the materials itemised in Group 1, there shall be added in columns (2) to (4) the contents of Schedule 2;
- (ii) at the end of the provisions relating to the materials itemised in Group 2, there shall be added in columns (2) to (4) the contents of Schedule 3;
- (iii) at the end of the provisions relating to the materials itemised in Group 3, there shall be added in columns (2) to (4) the contents of Schedule 4;

(c) in Section C (“FLUID FERTILIZERS”)—

- (i) in Group 1(a), after the provisions relating to the material Calcium nitrate solution, there shall be inserted in columns (2) to (4) the following provisions:

"Magnesium nitrate solution	Product obtained chemically and by dissolving magnesium nitrate in water and containing not less than 6% nitrogen (N) and 9% magnesium oxide (MgO). The pH should be not less than 4.	Amount of:— nitric nitrogen; magnesium oxide soluble in water."
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- (ii) for the provisions relating to the materials itemised in Group 2, other than the materials PK fertiliser solution and PK fertiliser suspension, there shall be substituted the contents of Schedule 5;
- (d) in Section D ("FERTILISERS CONTAINING BORON, COBALT, COPPER, IRON, MANGANESE, MOLYBDENUM OR ZINC AS TRACE ELEMENTS")
- (i) for the heading and the provisions relating to the materials itemised in Group 1, there shall be substituted the contents of Schedule 6;
- (ii) above the provisions relating to the materials itemised in Group 2, there shall be added the heading "FERTILISERS CONTAINING A MIXTURE OF TRACE ELEMENTS";
- (iii) in the provisions relating to the materials itemised in Group 2—
- (A) in column (1), for the figure "2" there shall be substituted the figure "8";
- (B) in column (3), for the words "Product of two or more of the products listed in (1) above" there shall be substituted the words "Mixture of two or more of the trace elements listed in Group 1 above";
- (e) in Section E ("FERTILISERS CONTAINING MAINLY CALCIUM, MAGNESIUM OR SULPHUR AS NUTRIENTS")—
- (i) for the heading there shall be substituted the heading "SECTION E: SECONDARY NUTRIENT FERTILISERS";
- (ii) after the provisions relating to the material Magnesium sulphate, there shall be inserted in columns (2) to (4) the following provisions:

<p>“Magnesium sulphate solution.</p> <p>The usual trade names may be added.</p>	<p>Product obtained by dissolution in water of magnesium sulphate of industrial origin containing not less than 5% magnesium oxide (MgO) and not less than 10% sulphur trioxide (SO₃).</p>	<p>Amount of water-soluble magnesium oxide</p> <p><i>Optional Declarations</i></p> <p>Amount of water-soluble sulphur trioxide.”</p>
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Sealed with the Official Seal of the Department of Agriculture for Northern Ireland on 24th February 1995.

(L.S.)

I. C. Henderson

Assistant Secretary

"Crotonylidene diurea	Product obtained by reaction of urea with crotonaldehyde. Monomeric compound containing not less than 28% nitrogen (N), at least 25% nitrogen from the crotonylidene diurea. Maximum ureic nitrogen content: 3%	Amount of:— total nitrogen; ureic nitrogen where this is at least 1% by weight; nitrogen from crotonylidene diurea.
Isobutylidene diurea	Product obtained by reaction of urea with isobutyraldehyde. Monomeric compound containing not less than 28% nitrogen (N), at least 25% nitrogen from the isobutylidene diurea. Maximum ureic nitrogen content: 3%	Amount of:— total nitrogen; ureic nitrogen where this is at least 1% by weight; nitrogen from isobutylidene diurea.
Urea formaldehyde	Product obtained by reaction of urea with formaldehyde and containing as its essential ingredients molecules of urea formaldehyde. Polymeric compound containing not less than 36% nitrogen (N). At least 60% of the declared total nitrogen content must be soluble in hot water. At least 31% N from urea formaldehyde and a maximum ureic nitrogen content of 5%.	Amount of:— total nitrogen; ureic nitrogen where this is at least 1% by weight; Nitrogen from urea formaldehyde that is soluble in cold water; Nitrogen from urea formaldehyde that is soluble only in hot water.
Nitrogenous fertiliser containing crotonylidene diurea	Product obtained chemically containing crotonylidene diurea and a straight nitrogen fertiliser [Group 1(a) of Section A of Schedule 1 of The Fertilisers Regulations (Northern Ireland) 1992(a) excluding calcium cyanamide, nitrogenous calcium cyanamide, ammonium nitrate and calcium ammonium nitrate] containing not less than 18% nitrogen (N). At least 3% N 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.	Amount of:— total nitrogen; for each form amounting to at least 1%: nitric nitrogen ammoniacal nitrogen ureic nitrogen; nitrogen from crotonylidene diurea.

<p>Nitrogenous fertiliser containing isobutylidene diurea</p>	<p>Product obtained chemically containing isobutylidene diurea and a straight nitrogen fertiliser [Group 1(a) of Section A of Schedule 1 of The Fertilisers Regulations (Northern Ireland) 1992(a) excluding calcium cyanamide, nitrogenous calcium cyanamide, ammonium nitrate and calcium ammonium nitrate], containing not less than 18% nitrogen (N). At least 3% N in ammoniacal and/or nitric and/or ureic form. At least 1/3 of the declared total nitrogen content must be derived from isobutylidene diurea. Maximum biuret content: (ureic N + isobutylidene diurea N) × 0.026.</p>	<p>Amount of:— total nitrogen; for each form amounting to at least 1%: nitric nitrogen ammoniacal nitrogen ureic nitrogen; nitrogen from isobutylidene diurea</p>
<p>Nitrogenous fertiliser containing urea formaldehyde</p>	<p>Product obtained chemically containing urea formaldehyde and a straight nitrogenous fertiliser [Group 1(a) of Section A of Schedule 1 of The Fertilisers Regulations (Northern Ireland) 1992(a) excluding calcium cyanamide, nitrogenous calcium cyanamide, ammonium nitrate and calcium ammonium nitrate], containing not less than 18% nitrogen (N). At least 3% N in ammoniacal and/or nitric and/or ureic form. At least 1/3 of the declared total nitrogen content must be derived from urea formaldehyde. The nitrogen from urea formaldehyde must contain 1/3 nitrogen soluble in hot water. Maximum biuret content: (ureic N + urea formaldehyde N) × 0.026.</p>	<p>For each form amounting to at least 1%: nitric nitrogen ammoniacal nitrogen ureic nitrogen; Amount of:— nitrogen from urea formaldehyde; nitrogen from urea formaldehyde that is soluble in cold water; nitrogen from urea formaldehyde this is soluble only in hot water</p>
<p>Ammonium sulphate with dicyandiamide (nitrification inhibitor)</p>	<p>Chemically obtained product containing ammonium sulphate and dicyandiamide and containing not less than 20% nitrogen (N). The minimum ammoniacal nitrogen content should be 18% and the minimum content from dicyandiamide should be 1.5%.</p>	<p>Amount of:— total nitrogen; ammoniacal nitrogen; nitrogen from dicyandiamide. Technical information⁽¹⁾</p>

(a) S.R. 1992 No. 187

(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.

Ammonium sulphonitrate with dicyandiamide (nitrification inhibitor)	Chemically obtained product containing ammonium sulphonitrate and dicyandiamide and containing not less than 24% nitrogen (N). The minimum nitric nitrogen content should be 3% and the maximum content from dicyandiamide should be 1.5%.	Amount of:— total nitrogen; nitric nitrogen; ammoniacal nitrogen; nitrogen from dicyandiamide. Technical information ⁽¹⁾
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- (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."

<p>“NPK fertilisers containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)</p>	<p>Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde.</p> <p>Containing by weight:</p> <ol style="list-style-type: none"> 1. not less than 5% nitrogen (N) 2. not less than 5% phosphorus pentoxide (P_2O_5) 3. not less than 5% potassium oxide (K_2O). <p>The sum of the three nutrients must not be less than 20%. At least 25% of the declared content of total nitrogen must derive from crotonylidene diurea, or isobutylidene diurea or urea formaldehyde.</p> <p>At least 60% of the declared nitrogen content from urea formaldehyde must be soluble in hot water.</p> <p>The product must not contain Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised natural phosphate or natural phosphate.</p> <p>The P_2O_5 content soluble only in mineral acids must not exceed 2%.</p>	<p><i>Nitrogen (N)</i></p> <p>Amount of:— total nitrogen; amount where equal to or greater than 1% by weight of:—</p> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen; nitrogen, where appropriate, from <ol style="list-style-type: none"> 1. crotonylidene diurea or 2. isobutylidene diurea or 3. urea formaldehyde; <p>nitrogen from urea formaldehyde that is only soluble in hot water; nitrogen from urea formaldehyde that is soluble in cold water.</p> <p><i>Phosphorus Pentoxide (P_2O_5)</i></p> <p>Where phosphorus pentoxide soluble in water is less than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate <p>Where phosphorus pentoxide soluble in water is equal to or greater than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate and in water.
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2. Phosphorus pentoxide soluble in water.

Potassium Oxide
(K_2O)

Amount of potassium oxide soluble in water.

Optional declarations

Amount of chlorine. Where the chlorine content is not greater than 2% the statement 'low in chlorine' may be made."

<p>“NP fertilisers containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)</p>	<p>Product obtained chemically without addition or organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde.</p> <p>Containing by weight:—</p> <ol style="list-style-type: none"> 1. not less than 5% nitrogen (N) 2. not less than 5% phosphorus pentoxide (P_2O_5) <p>The sum of the two nutrients must be not less than 18% by weight. At least 25% of the declared content of total nitrogen must derive from crotonylidene diurea, or isobutylidene diurea or urea formaldehyde.</p> <p>At least 60% of the declared nitrogen content from urea formaldehyde must be soluble in hot water.</p> <p>The product must not contain Thomas slag, calcined phosphate, aluminium-calcium phosphate, partially solubilised natural phosphate or natural phosphate.</p> <p>The P_2O_5 content soluble only in mineral acids must not exceed 2%.</p>	<p><i>Nitrogen (N)</i></p> <p>Amount of:— total nitrogen; amount where equal to or greater than 1% by weight of:—</p> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen; nitrogen, where appropriate, from <ol style="list-style-type: none"> 1. crotonylidene diurea or 2. isobutylidene diurea or 3. urea formaldehyde; <p>nitrogen from urea formaldehyde that is soluble only in hot water; nitrogen from urea formaldehyde that is soluble in cold water.</p> <p><i>Phosphorus Pentoxide (P_2O_5)</i></p> <p>Where phosphorus pentoxide soluble in water is less than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate. <p>Where phosphorus pentoxide soluble in water is equal to or greater than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate and in water. 2. Phosphorus pentoxide soluble in water.”
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<p>“NK fertilisers containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde (as appropriate)</p>	<p>Product obtained chemically without addition of organic nutrients of animal or vegetable origin and containing crotonylidene diurea or isobutylidene diurea or urea formaldehyde.</p> <p>Containing by weight:—</p> <ol style="list-style-type: none"> 1. not less than 5% nitrogen (N) 2. not less than 5% potassium oxide (K_2O) <p>The sum of the two nutrients must be not less than 18% by weight. At least 25% of the declared content of total nitrogen must derive from crotonylidene diurea, or isobutylidene diurea or urea formaldehyde.</p> <p>At least 60% of the declared nitrogen content from urea formaldehyde must be soluble in hot water.</p>	<p><i>Nitrogen (N)</i></p> <p>Amount of:—</p> <p>total nitrogen; amount where equal to or greater than 1% by weight of:—</p> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen; nitrogen, where appropriate, from <ol style="list-style-type: none"> 1. crotonylidene diurea or 2. isobutylidene diurea or 3. urea formaldehyde; <p>nitrogen from urea formaldehyde that is soluble only in hot water;</p> <p>nitrogen from urea formaldehyde that is soluble in cold water.</p> <p><i>Potassium Oxide (K_2O)</i></p> <p>Potassium oxide soluble in water. The indication ‘low in chlorine’ is linked to a maximum content of 2% chlorine (Cl). Chlorine content may be declared.”</p>
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SCHEDULE 5

Regulation 4(c)(ii)

"2	NPK fertiliser solution	<p>Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin, containing by weight:</p> <ol style="list-style-type: none"> 1. Not less than 2% nitrogen (N) 2. Not less than 3% phosphorus pentoxide (P_2O_5) 3. Not less than 3% potassium oxide (K_2O). <p>The sum of the three nutrients must be not less than 15% by weight. Maximum biuret content: Ureic N \times 0.026.</p>	<p style="text-align: center;"><i>Nitrogen (N)</i></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"><i>EEC fertiliser</i></td> <td style="width: 50%; vertical-align: top;"><i>Other than EEC fertiliser</i></td> </tr> <tr> <td>Amount of total nitrogen</td> <td>Amount of total nitrogen</td> </tr> <tr> <td>Amount where equal to or greater than 1% by weight of:—</td> <td>Amount of ureic nitrogen, save that a declaration of 10% or less need not be made</td> </tr> <tr> <td> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen </td> <td></td> </tr> </table> <p style="text-align: center;"><i>Phosphorus Pentoxide (P_2O_5)</i></p> <p>Amount of phosphorus pentoxide soluble in water</p> <p style="text-align: center;"><i>Potassium Oxide (K_2O)</i></p> <p>Amount of potassium oxide soluble in water</p>	<i>EEC fertiliser</i>	<i>Other than EEC fertiliser</i>	Amount of total nitrogen	Amount of total nitrogen	Amount where equal to or greater than 1% by weight of:—	Amount of ureic nitrogen, save that a declaration of 10% or less need not be made	<ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen 		<p>N 1.1</p> <p>As set out in paragraph 7 of this Schedule</p> <p>P_2O_5 1.1</p> <p>K_2O 1.1 N + P_2O_5 + K_2O 1.9</p>	<p>N 0.5</p> <p>P_2O_5 0.5</p> <p>K_2O 0.5</p>
<i>EEC fertiliser</i>	<i>Other than EEC fertiliser</i>												
Amount of total nitrogen	Amount of total nitrogen												
Amount where equal to or greater than 1% by weight of:—	Amount of ureic nitrogen, save that a declaration of 10% or less need not be made												
<ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen 													

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		<p><i>Optional declarations</i> Where the biuret content is less than 0.2% the statement "low in biuret" may be made. Amount of chlorine. Where the chlorine content is not greater than 2% the statement "low in chlorine" may be made</p>	<p>Cl 0.2</p>				
<p>NPK fertiliser suspension</p>	<p>Product in fluid form, in which the nutrients are derived from substances both in suspension in water and in solution without addition of organic nutrients of animal or vegetable origin, containing by weight:</p> <ol style="list-style-type: none"> 1. not less than 3% nitrogen (N) 2. not less than 4% phosphorus pentoxide (P₂O₅) 3. not less than 4% potassium oxide (K₂O) <p>The sum of the three nutrients must not be less than 20% by weight. Maximum biuret content: ureic N × 0.026 The fertiliser must not contain Thomas slag, aluminium-calcium phosphate, calcined phosphates, partially solubilised phosphates, or natural phosphates.</p>	<p><i>Nitrogen (N)</i></p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><i>EEC fertiliser</i></td> <td style="width: 50%;"><i>Other than EEC fertiliser</i></td> </tr> </table> <p>Amount of total nitrogen</p> <p>Amount where equal to or greater than 1% by weight of:—</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen </td> <td style="width: 50%;"> <p>Amount of total nitrogen</p> <p>Amount of ureic nitrogen save that a declaration of 18% or less need not be made.</p> </td> </tr> </table>	<i>EEC fertiliser</i>	<i>Other than EEC fertiliser</i>	<ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen 	<p>Amount of total nitrogen</p> <p>Amount of ureic nitrogen save that a declaration of 18% or less need not be made.</p>	<p>N 1.1</p> <p>As set out in paragraph 7 of this Schedule</p> <p>N 0.5</p>
<i>EEC fertiliser</i>	<i>Other than EEC fertiliser</i>						
<ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen 	<p>Amount of total nitrogen</p> <p>Amount of ureic nitrogen save that a declaration of 18% or less need not be made.</p>						

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continued

		<p><i>Phosphorus Pentoxide (P₂O₅)</i> Where phosphorus pentoxide soluble in water is less than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate <p>Where phosphorus pentoxide soluble in water is equal to or greater than 2%, amount of:—</p> <ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate and in water 2. Phosphorus pentoxide soluble in water <p><i>Potassium Oxide (K₂O)</i> Amount of potassium oxide soluble in water</p> <p><i>Optional declarations</i> Where the biuret content is less than 0.2% the statement "low in biuret" may be made Amount of chlorine. Where the chlorine content is not greater than 2% the statement "low in chlorine" may be made.</p>	<p>As set out in paragraph 7(a) of this Schedule</p> <p>P₂O₅ 1.1</p> <p>K₂O 1.1</p> <p>N + P₂O₅ + K₂O 1.9</p> <p>Cl 0.2</p>	<p>P₂O₅ 0.5</p> <p>K₂O 0.5</p>
<p>NP fertiliser solution</p>	<p>Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic nutrients of animal or vegetable origin, containing by weight:</p>	<p><i>Nitrogen (N)</i></p> <p><i>EEC fertiliser</i> <i>Other than EEC fertiliser</i></p> <p>Amount of total nitrogen</p>	<p>N 1.1</p>	

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	<p>1. not less than 3% nitrogen (N)</p> <p>2. not less than 5% phosphorus pentoxide (P_2O_5)</p> <p>The sum of the two nutrients must not be less than 18% by weight.</p> <p>The maximum biuret content is ureic N \times 0.026.</p>	<p>Amount of total nitrogen</p> <p>Amount where equal to or greater than 1% by weight of:—</p> <p>1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen</p> <p><i>Phosphorus Pentoxide (P_2O_5)</i> Amount of phosphorus pentoxide soluble in water</p> <p><i>Optional declaration</i> Where the biuret content is less than 0.2% the statement "low in biuret" may be made</p>	<p>Amount of ureic nitrogen save that a declaration of 10% or less need not be made</p> <p>P_2O_5 1.1</p> <p>N + P_2O_5 1.5</p>	<p>N 0.5</p> <p>As set out in paragraph 7 of this Schedule</p> <p>P_2O_5 0.5</p>
NP fertiliser suspension	Product in fluid form, in which the nutrients are derived from substances both in solution and in suspension in water, without addition of organic nutrients of animal or vegetable origin, containing by weight:	<p><i>Nitrogen (N)</i></p> <p><i>EEC fertiliser</i> <i>Other than EEC fertiliser</i></p>		

<ol style="list-style-type: none"> 1. not less than 3% nitrogen (N) 2. not less than 5% phosphorus pentoxide (P₂O₅) 	<p>Amount of total nitrogen</p>	<p>N 1.1</p>		
<p>The sum of two nutrients must not be less than 18% by weight. The maximum biuret content is ureic N × 0.026</p>	<p>Amount of total nitrogen</p>	<p>As set out in paragraph 7 of this Schedule</p>	<p>N 0.5</p>	
<p>The fertiliser may not contain Thomas slag, aluminium calcium phosphate, calcined phosphate, partially solubilised phosphate or natural phosphates</p>	<p>Amount where equal to or greater than 1% by weight of:—</p>			
	<p>Amount of</p> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen <p>nitrogen save that a declaration of 10% or less need not be made</p>			
	<p><i>Phosphorus Pentoxide (P₂O₅)</i></p>			
	<p>Where phosphorus pentoxide soluble in water is less than 2%, amount of:—</p>	<p>As set out in paragraph 7 of this Schedule</p>		
	<ol style="list-style-type: none"> 1. Phosphorus pentoxide soluble in neutral ammonium citrate 			
	<p>Where phosphorus pentoxide soluble in water is equal to or greater than 2% amount of:—</p>			
	<ol style="list-style-type: none"> 1. Phosphorus pentoxide (P₂O₅) soluble in neutral ammonium citrate and in water 	<p>P₂O₅ 1.1</p>	<p>P₂O₅ 0.5</p>	
	<ol style="list-style-type: none"> 2. Phosphorus pentoxide soluble in water 			

		<p><i>Optional Declaration</i> Where the biuret content is less than 0.2% the statement "low in biuret" may be made</p>	N + P ₂ O ₅ 1.5								
NK fertiliser solution	<p>Product obtained chemically and by dissolution in water, in a form stable at atmospheric pressure, without addition of organic products of animal or vegetable origin, containing by weight:</p> <ol style="list-style-type: none"> 1. Not less than 3% nitrogen (N) 2. Not less than 5% potassium oxide (K₂O) <p>The sum of the two nutrients must not be less than 15% The maximum biuret content shall be ureic N × 0.026.</p>	<p><i>Nitrogen (N)</i></p> <table border="0"> <tr> <td><i>EEC fertiliser</i></td> <td><i>Other than EEC fertiliser</i></td> </tr> <tr> <td>Amount of total nitrogen</td> <td>Amount of total nitrogen</td> </tr> <tr> <td>Amount where equal to or greater than 1% by weight of:—</td> <td>Amount of ureic nitrogen save that a declaration of 10% or less need not be made</td> </tr> <tr> <td> <ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen </td> <td></td> </tr> </table>	<i>EEC fertiliser</i>	<i>Other than EEC fertiliser</i>	Amount of total nitrogen	Amount of total nitrogen	Amount where equal to or greater than 1% by weight of:—	Amount of ureic nitrogen save that a declaration of 10% or less need not be made	<ol style="list-style-type: none"> 1. nitric nitrogen 2. ammoniacal nitrogen 3. ureic nitrogen 4. cyanamide nitrogen 		<p>N 1.1</p> <p>As set out in paragraph 7 of this Schedule</p>
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			N 0.5								

2.
continued

Potassium Oxide (K₂O)
Amount of potassium oxide soluble in water

Optional declarations
Amount of chlorine
Where the chlorine content is not greater than 2%, the statement "low in chlorine" may be made. Where the biuret content is less than 0.2%, the statement "low in biuret" may be made

K₂O 1.1
N + K₂O 1.5
Cl 0.2

K₂O 0.5

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NK fertiliser suspension

Product in fluid form, in which the nutrients are derived from substances both in solution and in suspension in the water, without addition of organic nutrients of animal or vegetable origin, containing by weight:

- not less than 3% nitrogen (N)
- not less than 5% potassium oxide (K₂O)

The sum of the two nutrients must not be less than 18% by weight
The maximum biuret content shall be ureic N × 0.026.

Nitrogen (N)
EEC fertiliser *Other than EEC fertiliser*

Amount of total nitrogen

Amount of total nitrogen

Amount where equal to or greater than 1% by weight of:—

- nitric nitrogen
- ammoniacal nitrogen
- ureic nitrogen
- cyanamide nitrogen

Amount of ureic nitrogen save that a declaration of 10% or less need not be made

N 1.1

As set out in paragraph 7 of this Schedule

N 0.5

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		<p><i>Potassium Oxide (K₂O)</i> Amount of potassium oxide soluble in water</p> <p><i>Optional declarations</i> Amount of chlorine. Where the chlorine content is not greater than 2%, the statement "low in chlorine" may be made. Where the biuret content is less than 0.2%, the statement "low in biuret" may be made</p>	<p>K₂O 1.1</p> <p>N + K₂O 1.5</p> <p>Cl 0.2</p>	<p>K₂O 0.5"</p>
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“SECTION D: TRACE ELEMENT FERTILISERS

Explanatory note: The following notes are applicable to the whole of Section D

Note 1: A chelating agent may be designated by means of its initials as set out in Table 2 to Schedule 2

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.

Fertilisers containing one Trace Element only

<i>Group</i>	<i>Name of Material</i>	<i>Meaning</i>	<i>Declaration</i>	<i>Limits of variation (absolute value in percentage by weight, except where otherwise specified)</i>
1	2	3	4	5
1 BORON				
1a	Boric acid The usual trade names may be added.	Product obtained by the action of an acid on a borate and containing not less than 14% water-soluble boron (B).	Amount of:— boron soluble in water	0.4
1b	Sodium borate The usual trade names may be added.	Chemically obtained product containing as its essential component sodium borate and containing not less than 10% water-soluble boron (B).	Amount of:— boron soluble in water	0.4

1c	Calcium borate The usual trade names may be added.	Product obtained from colemanite or pandermite containing as its essential ingredient calcium borates and not less than 7% total boron (B). Not less than 98% of the particles should be able to pass through a 0.063mm sieve.	Amount of:— total boron	0.4
1d	Boron ethanol amine	Product obtained by reacting a boric acid with an ethanol amine and containing not less than 8% water-soluble boron (B).	Amount of:— boron soluble in water	0.4
1e	Borated fertiliser in solution The designation must include the names of the constituents present.	Product obtained by dissolving types 1a and/or 1b and/or 1d in water and containing not less than 2% water-soluble boron (B).	Amount of:— boron soluble in water	0.4
1f	Borated fertiliser in suspension The designation must include the names of the constituents present.	Product obtained by suspending types 1a and/or 1b and/or 1d in water and containing not less than 2% boron (B).	Amount of:— boron soluble in water	0.4
2 2a	COBALT Cobalt salt The designation must contain the name of the mineral anion.	Chemically obtained product containing a mineral salt of cobalt as its essential ingredient and containing not less than 19% water-soluble cobalt (Co).	Amount of:— cobalt soluble in water	0.4

Group 1	Name of Material 2	Meaning 3	Declaration 4	Limits of variation (absolute value in percentage by weight, except where otherwise specified) 5
2b	Cobalt chelate The designation must contain the name of the chelating agent.	Water-soluble product obtained by combining cobalt chemically with a chelating agent and containing not less than 2% water-soluble cobalt (Co), at least 80% of the declared value of which has been chelated.	Amount of:— cobalt soluble in water; chelated cobalt	0.4 0.4
2c	Cobalt fertiliser solution The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present	Product obtained by dissolving types 2a and/or one of the type 2b in water and containing not less than 2% water-soluble cobalt.	Amount of:— cobalt soluble in water; chelated cobalt if present	0.4 0.4
3 COPPER 3a	Copper salt The designation must contain the name of the mineral anion.	Chemically obtained product containing a mineral salt of copper as its essential ingredient and containing not less than 20% water-soluble copper (Cu).	Amount of:— copper soluble in water	0.4

3b	Copper oxide	Chemically obtained product containing copper oxide as its essential ingredient of which at least 98% will pass through at 0.063 mm sieve and containing not less than 70% copper.	Amount of:— total copper	0.4
3c	Copper hydroxide	Chemically obtained product containing copper hydroxide as its essential ingredient of which at least 98% will pass through a 0.063mm sieve and containing not less than 45% copper.	Amount of:— total copper	0.4
3d	Copper chelate The designation must contain the name of the chelating agent.	Water-soluble product obtained by combining copper chemically with a chelating agent and containing not less than 9% water-soluble copper (Cu), at least 80% of the declared value of which has been chelated.	Amount of:— copper soluble in water; chelated copper	0.4 0.4
3e	Copper based fertiliser The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present.	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 and containing not less than 5% total copper.	Amount of:— total copper; copper soluble in water if this accounts for at least ¼ of the total copper; chelated copper if present	0.4

Group 1	Name of Material 2	Meaning 3	Declaration 4	Limits of variation (absolute value in percentage by weight, except where otherwise specified) 5
3f	Copper fertiliser solution The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present.	Product obtained by dissolving types 3a and/or 3d in water and containing not less than 3% water-soluble copper.	Amount of:— copper soluble in water; chelated copper if present	0.4 0.4
3g	Copper oxychloride	Chemically obtained product containing copper oxychloride $[\text{Cu}_2\text{Cl}(\text{OH})_3]$ as an essential ingredient of which at least 98% will pass through a 0.063mm sieve and containing not less than 50% total copper (Cu).	Amount of:— total copper	0.4
3h	Copper oxychloride suspension	Product obtained by suspension of type 3g and containing not less than 17% total copper (Cu)	Amount of:— total copper	0.4
4 IRON 4a	Iron salt The designation must contain the name of the mineral anion.	Chemically obtained product containing a mineral salt of iron as its essential ingredient and containing not less than 12% water-soluble iron (Fe).	Amount of:— iron soluble in water	0.4

4b	Iron chelate The designation must contain the name of the chelating agent.	Water-soluble product obtained by combining iron chemically with a chelating agent and containing not less than 5% water-soluble iron (Fe), at least 80% of the declared value of which has been chelated.	Amount of:— iron soluble in water; chelated iron	0.4 0.4
4c	Iron fertiliser solution The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present.	Product obtained by dissolving types 4a and/or one of the type 4b in water and containing not less than 2% water-soluble iron.	Amount of:— iron soluble in water; chelated iron if present	0.4 0.4
5 MANGANESE				
5a	Manganese salt The designation must contain the name of the mineral anion.	Chemically obtained product containing a mineral salt of manganese (Mn II) as its essential ingredient and containing not less than 17% water-soluble manganese.	Amount of:— manganese soluble in water	0.4
5b	Manganese chelate The designation must contain the name of the chelating agent.	Water-soluble product obtained by combining manganese chemically with a chelating agent and containing not less than 5% water-soluble manganese (Mn) at least 80% of the declared value of which has been chelated.	Amount of:— manganese soluble in water; chelated manganese	0.4 0.4

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<i>Group</i>	<i>Name of Material</i>	<i>Meaning</i>	<i>Declaration</i>	<i>Limits of variation (absolute value in percentage by weight, except where otherwise specified)</i>
1	2	3	4	5
5c	Manganese oxide	Chemically obtained product containing manganese oxides as its essential ingredient of which at least 80% will pass through a 0.063mm sieve and containing not less than 40% manganese (Mn).	Amount of:— total manganese	0.4
5d	Manganese based fertiliser The designation must include the name of the manganese components.	Product obtained by mixing types 5a and 5c containing not less than 17% total manganese (Mn).	Amount of:— total manganese; manganese soluble in water if this accounts for at least 25% of the total manganese	0.4
5e	Manganese based fertiliser solution The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present.	Product obtained by dissolving types 5a and/or one of type 5b in water and containing not less than 3% water-soluble manganese (Mn).	Amount of:— manganese soluble in water; chelated manganese if present	0.4 0.4

6 MOLYBDENUM				
6a	Sodium molybdate	Chemically obtained product containing sodium molybdate as its main ingredient and containing not less than 35% water-soluble molybdenum (Mo).	Amount of:— molybdenum soluble in water	0.4
6b	Ammonium molybdate	Chemically obtained product containing ammonium molybdate as its main ingredient and containing not less than 50% water-soluble molybdenum (Mo).	Amount of:— molybdenum soluble in water	0.4
6c	Molybdenum based fertiliser The designation must include the names of the molybdenum components.	Product obtained by mixing types 6a and 6b containing not less than 35% total water-soluble molybdenum (Mo).	Amount of:— molybdenum soluble in water	0.4
6d	Molybdenum based fertiliser solution The designation must include the name(s) of the molybdenum component(s)	Product obtained by dissolving types 6a and/or one of the type 6b in water and containing not less than 3% water-soluble molybdenum (Mo).	Amount of:— molybdenum soluble in water	0.4

<i>Group</i> 1	<i>Name of Material</i> 2	<i>Meaning</i> 3	<i>Declaration</i> 4	<i>Limits of variation (absolute value in percentage by weight, except where otherwise specified)</i> 5
7 ZINC 7a	Zinc salt The designation must contain the name of the mineral anion.	Chemically obtained product containing a mineral salt of zinc as its essential ingredient and containing not less than 15% water-soluble zinc (Zn).	Amount of:— zinc soluble in water	0.4
7b	Zinc chelate The designation must contain the name of the chelating agent.	Water-soluble product obtained by combining zinc chemically with a chelating agent and containing not less than 5% water-soluble zinc (Zn) at least 80% of the declared value of which has been chelated.	Amount of:— zinc soluble in water; chelated zinc	0.4 0.4
7c	Zinc oxide	Chemically obtained product containing zinc oxide as its essential ingredient of which at least 80% will pass through a 0.063mm sieve and containing not less than 70% zinc (Zn).	Amount of:— total zinc	0.4

7d	Zinc based fertiliser The designation must include the name of the zinc components.	Product obtained by mixing types 7a and 7c containing not less than 30% total zinc (Zn).	Amount of:— total zinc; zinc soluble in water if this accounts for at least 25% of the total zinc	0.4
7e	Zinc fertiliser solution The designation must include the name(s) of the mineral anion(s) and the name of any chelating agent if present.	Product obtained by dissolving types 7a and/or one of type 7b in water and containing not less than 3% water-soluble zinc (Zn).	Amount of:— zinc soluble in water; chelated zinc if present	0.4 0.4''

EXPLANATORY NOTE

(This note is not part of the Regulations.)

These Regulations amend the Fertilisers Regulations (Northern Ireland) 1992 (“the principal Regulations”) and implement Commission Directive 93/69/EEC (O.J. No. L185, 28.7.93, p. 30) adapting to technical progress Council Directive 76/116/EEC on the approximation of the laws of the Member States as respects Northern Ireland relating to fertilisers.

The Regulations amend Schedule 1 to the principal Regulations, which relates to prescribed descriptions of material, meanings of names, particulars and information to be contained in the statutory statement and limits of variation, as regards fertilisers specified in the Table to that Schedule by—

- (a) specifying additional fertilisers which may, in accordance with Commission Directive 93/69, be designated as “EEC fertilisers” (regulation 4(a)(ii) and (iii), (b), (c)(i), (d)(i) and (e)(ii) and Schedules 1 to 4 and 6);
- (b) making minor drafting and textual amendments (regulation 4(d)(ii) and (iii) and (e)(i)); and
- (c) adding explanatory notes in Section D of the Schedule (regulation 4(d)(i)).

Regulation 3(1) adds a provision to the principal Regulations prohibiting the sale, in specified circumstances, of ammonium nitrate containing more than 28% by weight of nitrogen, as a fertiliser not designated as an EEC fertiliser, unless certain labelling and packaging requirements are met.

Regulation 3(2) makes minor amendments to regulation 4 of the principal Regulations.

Regulation 4(c)(ii) replaces part of Group 2 of Section C to Schedule 1 of the principal Regulations with the contents of Schedule 5, in order to achieve greater presentational clarity.