AMENDMENT OF ADMINISTERIAL RULES (Overview)
THE OFFICIAL STANDARDS FOR NORMAL FERTILIZERS

1 (1) Nitrogen Fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Ammonium Sulfate	1.Ammoniacal nitrogen 20.5 N 2.For a fertilizer with guaranteed acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble sulfur 1.0 SO_4	[omission]	
Calcium nitrate	1. Nitric nitrogen 10.0 N 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium or water-soluble calcium: In addition to the nutrients mentioned in 1 For Acid-soluble calcium	[omission]	

	1.0 CaO For citric acid-soluble calcium 1.0 CaO For Water-soluble calcium 1.0 CaO		

notes: part to be revised is underlined.

(2) Nitrogen Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Coated Nitrogen Fertilizer (nitrogen fertilizer coated with sulfur or other coating materials)	1. Total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen 10.0 N 2. (1) For a fertilizer with guaranteed ammoniacal nitrogen: Ammoniacal nitrogen 1.0 N (2) For a fertilizer with guaranteed nitrate	[omission]	1.~2. [omission] 3. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	nitrogen: Nitrate nitrogen 1.0 N (3) For a fertilizer with guaranteed water-soluble calcium: Water-soluble calcium 1.0 CaO (4) For a fertilizer with guaranteed water-soluble magnesium: Water-soluble magnesium 1.0 MgO (5) For a fertilizer with guaranteed water-soluble manganese Water-soluble manganese 0.10 MnO (6) For a fertilizer with guaranteed water-soluble boron Water-soluble boron		

	0.05 B_2O_3 (7) For a fertilizer with guaranteed acid-soluble sulfur Acid-soluble sulfur 1.0 SO4		
Mixed nitrogen fertilizer (a nitrogen fertilizer mixed with any of nitrogen fertilizers, organic fertilizers, byproduct fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	Refer to the Annexed table X provided that total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen 1.0 N	1.For a fertilizer which guarantee neither phosphate nor potassium Per 1.0% N of total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which guarantee phosphate or potassium Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-

		potassium: refer to the Annexed table of toxic substances 2.	soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which

			can’t be contaminated with bovine vertebral column and cattle which didn’t go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

notes: part to be revised is underlined.

2 (1) Phosphate Fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Superphosphate	1. [omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO Citric acid-soluble calcium 1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4	[omission]	
Concentrated superphosphate	1. [omission] 2. For a fertilizer with	[omission]	

	guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO Citric acid-soluble calcium 1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4		
Fused phosphate	1. Citrate-soluble 16.0 P2O5 Alkalinity 40.0 CaO or CaO+MgO Citric acid-soluble magnesium oxide 11.0 MgO 2. For a product with	[omission]	[omission]

	guaranteed acid-soluble silicic acid, citric acid-soluble manganese, citric acid-soluble boron in addition to the nutrients mentioned in 1 For acid-soluble silicic acid 19.0 SiO_2 For citric acid-soluble manganese 1.0 MnO For citric acid-soluble boron 0.05 B_2O_3		
Fused silicate phosphate (any of the following fertilizers: 1.~2. [omission] 3. A fused mixture of the calcinated sludge of end-treatment plants of sewerage and fertilizers or materials for fertilizers)	1. Citric acid-soluble phosphoric acid 5.0 P_2O_5 Alkalinity 40.0 CaO or CaO+MgO Acid-soluble silicic acid 30.0 SiO_2 Citric acid-soluble magnesium 12.0 MgO 2. [omission]	1. Per 1.0% P_2O_5 of citric acid-soluble phosphoric acid: Arsenic 0.004 As Cadmium 0.00015 Cd Nickel 0.01 Ni Chromium 0.1 Cr Mercury 0.0001 Hg Lead 0.006 Pb 2. [omission]	1.~2. [omission] 3. The fertilizer made from the calcinated sludge of end-treatment plants of sewerage must be recognized not to be toxic to plants as a result of vegetation experiment on toxicity to plants. 4. The fertilizer must use "the certified ingredient"

			which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter.

notes: part to be revised is underlined.

(2) Phosphate Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Coated phosphate fertilizer (phosphate fertilizer coated with sulfur or other coating materials)	1. Water-soluble phosphoric acid 10.0 P_2O_5 2. For a fertilizer with guaranteed water-soluble calcium , water-soluble magnesium, water-soluble manganese, water-soluble boron or	[omission]	1.~2. [omission] 3. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	acid-soluble sulfur in addition to water-soluble phosphoric acid : -In addition to the nutrients mentioned in 1, For water-soluble calcium 1.0 CaO For water-soluble magnesium 1.0 MgO For water-soluble manganese 0.10 MnO For water-soluble boron 0.05 B_2O_3 For acid-soluble sulfur 1.0 SO_4		
Processed phosphate fertilizer (a fertilizer made from any of phosphate fertilizers, fused microelement compound fertilizers, phosphoric acid-containing materials,	1. [omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium, citric acid-soluble magnesium,	[omission]	1. [omission] 2. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the

materials containing based calcium, magnesium or manganese, slags, or borates, by treating with phosphoric or hydrochloric acid)	water-soluble magnesium, citric acid-soluble manganese, water-soluble manganese, citric acid-soluble boron, water-soluble boron or acid-soluble sulfur in addition to citric acid-soluble phosphoric acid and water-soluble phosphoric acid : -In addition to the nutrients mentioned in 1, For acid-soluble calcium 1.0 CaO For citric acid-soluble calcium 1.0 CaO For water-soluble calcium 1.0 CaO For citric acid-soluble magnesium		government.

	2.0 MgO For water-soluble magnesium 1.0 MgO For citric acid-soluble manganese 1.0 MnO For citric acid-soluble boron 0.05 B_2O_3 For water-soluble boron 0.05 B_2O_3 For acid-soluble sulfur 1.0 SO_4		
Mixed phosphate fertilizer (a phosphate fertilizer mixed with any of phosphate fertilizers, organic fertilizers, byproduct fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	Refer to the Annexed table X provided that total phosphate, citric acid-soluble phosphate or citrate-soluble phosphate 1.0 P_2O_5	1.For a fertilizer which guarantee neither nitrogen nor potassium Per 1.0% of the largest nutrient content of every guaranteed nutrient: refer to the Annexed table of toxic substances 2. 2. For a fertilizer which guarantee nitrogen or potassium:	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitric nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total

		Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . [omission] 6. [omission] 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment

			must be inspected by the government.

notes: part to be revised is underlined.

3 (1) Potash fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Potassium Sulfate	1.[omission] 2. For a fertilizer with guaranteed acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble sulfur 1.0 SO_4	[omission]	[omission]
Potassium Magnesium Sulfate	1. Water-soluble potassium 12.0 K_2O Water-soluble magnesium 5.0 MgO 2. For a fertilizer with guaranteed acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid- soluble sulfur 1.0 SO_4	[omission]	[omission]

notes: part to be revised is underlined.

(2) Potash fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Coated potassium fertilizer (potassium fertilizer coated with sulfur or other coating materials)	1. Water-soluble potassium 10.0 K_2O 2. For a fertilizer with guaranteed water-soluble calcium , water-soluble magnesium, water-soluble manganese, water-soluble boron or acid-soluble sulfur in addition to water-soluble potassium : -In addition to the nutrients mentioned in 1, For water-soluble calcium 1.0 CaO For water-soluble magnesium	[omission]	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitric nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble

	1.0 MgO For water-soluble manganese 0.10 MnO For water-soluble boron 0.05 B_2O_3 For acid-soluble sulfur 1.0 SO_4		phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . [omission] 6. [omission] 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.
Mixed potash fertilizer (a potash fertilizer mixed with any of potash fertilizers, organic fertilizers, byproduct	Refer to the Annexed table X provided that total potassium, citric acid-soluble potassium or citrate-	1.For a fertilizer which guarantee neither nitrogen nor phosphate Per 1.0% of the largest	[omission]

fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	soluble potassium 1.0 K_2O	nutrient content of total, potassium, citrate-soluble potassium or water-soluble potassium: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which guarantee nitrogen or phosphate: Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the annex 2 of toxic substances.	

4 (1) Organic Fertilizers with six-year-term of validity of registration

○Producers of the organic fertilizers may guarantee the nutrients laid down in the Annexed table Y and in the following table.

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Raw bone meal	1. [omission] 2. For a fertilizer with guaranteed silicate, calcium, magnesium, manganese, or boron in addition to the nutrients mentioned in 1: For silicate, magnesium, manganese, or boron refer to the Annexed table Y For acid-soluble calcium 1.0 CaO For citric acid-soluble calcium 1.0 CaO For water-soluble calcium 1.0 CaO		

Steamed Bone Meal (including degelatinized bone meal)	1.2 [omission] 3. For a fertilizer with guaranteed silicate, calcium, magnesium, manganese, or boron in addition to -In addition to the nutrients mentioned in 1: For silicate, magnesium, manganese, or boron refer to the Annexed table Y For acid-soluble calcium 1.0 CaO For citric acid-soluble calcium 1.0 CaO For water-soluble calcium 1.0 CaO		
Rapeseed cake	1. Total nitrogen 4.5 N Total phosphoric acid 1.9 P2O5 Total potassium		

	1.0 K2O 2. For a fertilizer with guaranteed silicate, calcium, magnesium, manganese, or boron in addition to the nutrients mentioned in 1: For silicate, magnesium, manganese, or boron refer to the Annexed table Y		
Processed poultry manure (any of the following fertilizers: 1. poultry manure treated by mixing with sulfuric acid etc. followed by thermal power-drying 2. poultry manure treated by pressure-vapor boiling followed by drying 3. poultry manure treated by hot-air drying & pulverization	1. [omission] 2. For a fertilizer with guaranteed silicate, magnesium, manganese, or boron in addition to the nutrients mentioned in 1: For silicate, magnesium, manganese, or boron refer to the Annexed table Y For acid-soluble sulfur 1.0 SO_4	[omission]	

simultaneously 4. poultry manure treated by fermentation & drying)			

notes: part to be revised is underlined.

(2) Fertilizers with three-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Processed fish scrap fertilizer (A fertilizer made from the material listed in material category 1, No.1 "b"; adsorbed by adsorbing material of animal or vegetable such as peat and others)	1.2 [omission] 3. For a fertilizer with guaranteed silicate, calcium, magnesium, manganese, or boron in addition to the nutrients mentioned in 1: refer to the Annexed table Y	[omission]	[omission]
Dried microbe fertilizer (either of the following fertilizers: 1.A fertilizer made from the material, listed in material category 1,No.3 "e" or "f"	1. [omission] 2. For a fertilizer with guaranteed phosphate, potash, silicate, calcium, magnesium, manganese, boron, or sulfur in	[omission]	[omission]

2. A fertilizer made from the material, listed in material category 2, No.15)	addition to the guaranteed nitrogen: For total nitrogen 4.5 N For total phosphoric acid 1.0 P_2O_5 For total potassium 1.0 K_2O For silicate, magnesium, manganese, or boron refer to the Annexed table Y For acid-soluble calcium 1.0 CaO For citric acid-soluble calcium 1.0 CaO For water-soluble calcium 1.0 CaO For acid-soluble sulfur 1.0 SO4		

notes: part to be revised is underlined.

(3) Fertilizers with three or six -year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Byproduct animal or vegetable fertilizer (fertilizers made from the materials listed in material category 1)	Refer to the Annexed table X	For fertilizers made from the animal-derived materials Per 1.0% N of total nitrogen : Arsenic 0.01 As Cadmium 0.00008% Cd	1. Total nitrogen, total phosphoric acid or total potassium must be guaranteed. 2. The fertilizer made from both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 3. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 4. The fertilizer must use "the certified ingredient"

			which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter.
Mixed organic fertilizer (either of the following fertilizers: 1. A mixture of organic fertilizer and organic fertilizers, rice bran, fermented rice bran, dried algae (powder), or wormseed meal, or , 2. Dried mixture of the fertilizer materials for a mixed organic fertilizer mentioned in 1 and blood or bean-curd refuse.)	The sum of total nitrogen and total phosphoric acid or total potassium 2.0 $N+P_2O_5$ or $N+K_2O$ Total nitrogen 1.0 N For total phosphoric acid 1.0 P_2O_5 For total potassium 1.0 K_2O 2. For a fertilizer with guaranteed phosphate, potash, silicate, calcium,	[omission]	1.2[omission]

	magnesium, manganese, boron, or sulfur in addition to the guaranteed nitrogen: For total nitrogen 1.0 N For total phosphoric acid 1.0 P_2O_5 For total potassium 1.0 K_2O For silicate, magnesium, manganese, or boron refer to the Annexed table Y For acid-soluble calcium 1.0 CaO For citric acid-soluble calcium 1.0 CaO For water-soluble calcium 1.0 CaO For acid- soluble sulfur 1.0 SO_4		

notes: part to be revised is underlined.

5 (1) Byproduct fertilizers with three-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Microbe fertilizer (Microbes obtained in the activated sewage sludge listed in material category 2, No.15)	Refer to the Annexed table X	Arsenic 0.005 As Cadmium 0.0005 Cd Mercury 0.0002 Hg Nickel 0.03 Ni Chromium 0.05 Cr Lead 0.01 Pb	1. The fertilizer must be recognized not to be toxic to plants as a result of undergoing vegetation experiment on toxicity ti plants. 2. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter.

notes: part to be revised is underlined.

(2) Byproduct fertilizers with three or six -year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Byproduct fertilizer (Either of the following fertilizers : 1. The fertilizer made from the materials listed in material category 1 and 2 2. The fertilizer made from the materials listed in material category 2)	Refer to the Annexed table X	refer to the Annexed table of toxic substances 3 .	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of material containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either

			citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of material containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 6. For a fertilizer made from phosphorus furnace slag, particle-size of the

			fertilizer shall be 100% through a wire sieve with 4.00mm openings, and made from the other slag, particle-size of the fertilizer shall be 100% through a wire sieve with 2.00mm openings, and also must be 60% and more through a wire sieve with 600μm openings. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.
Liquid fertilizer (A liquid-form fertilizer made from fertilizer or fertilizer materials listed in material category 1 or 2)	1. (1) For a fertilizer with guaranteed total nitrogen : Total nitrogen 1.0% N (2)For a fertilizer with	refer to the Annexed table of toxic substances 3 .	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both

	guaranteed ammoniacal nitrogen : Ammoniacal nitrogen 1.0% N (3)For a fertilizer with guaranteed nitrate nitrogen : Nitrate nitrogen 1.0 N 2. (1) For a fertilizer with guaranteed total phosphoric acid: Total phosphoric acid 1.0 P_2O_5 (2) For a fertilizer with guaranteed citric acid-soluble phosphoric acid: Citric acid-soluble phosphoric acid 1.0 P_2O_5 (3) For a fertilizer with guaranteed citrate-soluble phosphoric		ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of material containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of material containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5. The fertilizer must use

	acid: Citrate-soluble phosphoric acid 1.0 P_2O_5 (4) For a fertilizer with guaranteed water-soluble phosphoric acid: Water-soluble phosphoric acid 1.0 P_2O_5 3. (1) For a fertilizer with guaranteed total potassium: Total potassium 1.0 K_2O (2) For a fertilizer with guaranteed citric acid-soluble potassium: Citric acid-soluble potassium 1.0 K_2O (3) For a fertilizer with guaranteed water-		"the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 6. For a fertilizer made from phosphorus furnace slag, particle-size of the fertilizer shall be 100% through a wire sieve with 4.00mm openings, and made from the other slag, particle-size of the fertilizer shall be 100% through a wire sieve with 2.00mm openings, and also must be 60% and more through a wire sieve

	soluble potassium: Water-soluble potassium 1.0 K_2O 4.For a fertilizer with guaranteed alkalinity: Alkalinity 5.0 CaO or CaO+MgO 5. For a fertilizer with guaranteed acid-soluble calcium 1.0 CaO For a fertilizer with guaranteed citric acid-soluble calcium 1.0 CaO For a fertilizer with guaranteed water-soluble calcium 1.0 CaO 6. For a fertilizer with guaranteed acid-soluble silicic acid 5.0 SiO_2		with 600μm openings. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	For a fertilizer with guaranteed water-soluble silicic acid 5.0 SiO_2 7 (1) For a fertilizer with guaranteed acid-soluble magnesium: Acid-soluble magnesium 1.0 MgO (2) For a fertilizer with guaranteed citric acid-soluble magnesium: Citric acid-soluble magnesium 1.0 MgO (3) For a fertilizer with guaranteed water-soluble magnesium: Water-soluble magnesium		

	1.0 MgO 8. (1) For a fertilizer with guaranteed acid-soluble manganese: Acid-soluble manganese 0.005 MnO (2) For a fertilizer with guaranteed citric acid-soluble manganese: Citric acid-soluble manganese 0.005 MnO (3) For a fertilizer with guaranteed water-soluble manganese: Water-soluble manganese 0.005 MnO 9. (1) For a fertilizer with guaranteed citric acid-soluble boron: Citric acid-soluble boron		

	0.005 B_2O_3 (2) For a fertilizer with guaranteed water-soluble boron: Water-soluble boron 0.005 B_2O_3 10. For acid-soluble sulfur 1.0 SO_4		
Adsorbed compound fertilizer (an adsorbed water solution made from fertilizers or fertilizer materials listed in material category 1 or 2 containing nitrogen, phosphoric acid, or potassium by diatomaceous earth or other adsorbtive materials)	Refer to the Annexed table X provided that the sum of two and more of the main nutrient contents of nitrogen, phosphoric acid, or potassium: 2.0 $N+P_2O_5$, $N+K_2O$, $P_2O_5+K_2O$, or $N+P_2O_5+K_2O$	[omission]	1.[omission] 2. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.
Compound fertilizer for home garden (A fertilizer made from fertilizer or fertilizer materials listed in material category 1 or 2; of	1. The sum of two or more of the largest nutrient contents of each nitrogen, phosphoric acid, or potassium	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate

which type shall be "fertilizer for home garden" specified in Article 1 of the Enforcement Regulations for the Fertilizer Control Act (Ministry of Agriculture and Forestry Ordinance, No.64, 1950 ; hereinafter referred to as "Regularions")	0.2 $N+P_2O_5$, $N+K_2O$, $P_2O_5+K_2O$, or $N+P_2O_5+K_2O$ 2. (1) For a fertilizer with guaranteed total nitrogen: Total nitrogen 0.1 N (2) For a fertilizer with guaranteed ammoniacal nitrogen: Ammoniacal nitrogen 0.1 N (3) For a fertilizer with guaranteed nitrate nitrogen: Nitrate nitrogen 0.1 N 3. (1) For a fertilizer with guaranteed total phosphoric acid: Total phosphoric acid 0.1 P_2O_5 (2) For a fertilizer with guaranteed citric acid-	toxic substances 2.	nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of material containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of material containing alkalinity and calcium must be guaranteed with either alkalinity or calcium.

	soluble phosphoric acid : Citric acid-soluble phosphoric acid 0.1 P_2O_5 (3) For a fertilizer with guaranteed citrate-soluble phosphoric acid: Citrate-soluble phosphoric acid 0.1 P_2O_5 (4) For a fertilizer with guaranteed water-soluble phosphoric acid: Water-soluble phosphoric acid 0.1 P_2O_5 4. (1) For a fertilizer with guaranteed total potassium: Total potassium 0.1 K_2O		5. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 6. For a fertilizer made from phosphorus furnace slag, particle-size of the fertilizer shall be 100% through a wire sieve with 4.00mm openings, and made from the other slag, particle-size of the fertilizer shall be 100% through a wire sieve with 2.00mm openings, and also must be 60% and

	(2) For a fertilizer with guaranteed citric acid-soluble potassium: Citric acid-soluble potassium 0.1 K_2O (3) For a fertilizer with guaranteed water-soluble potassium: Water-soluble potassium 0.1 K_2O 5.For a fertilizer with guaranteed alkalinity: Alkalinity 5.0 CaO or CaO+MgO 6. For a fertilizer with guaranteed acid-soluble calcium 0.1 CaO For a fertilizer with guaranteed citric acid-soluble calcium 0.1 CaO		more through a wire sieve with 600μm openings. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	For a fertilizer with guaranteed water-soluble calcium 0.1 CaO 7. For a fertilizer with guaranteed acid-soluble silicic acid 5.0 SiO_2 For a fertilizer with guaranteed water-soluble silicic acid 5.0 SiO_2 8 (1) For a fertilizer with guaranteed acid-soluble magnesium: Acid-soluble magnesium 0.01 MgO (2) For a fertilizer with guaranteed citric acid-soluble magnesium: Citric acid-soluble		

	magnesium 0.01 MgO (3) For a fertilizer with guaranteed water-soluble magnesium: Water-soluble magnesium 0.01 MgO 9. (1) For a fertilizer with guaranteed acid-soluble manganese: Acid-soluble manganese 0.002 MnO (2) For a fertilizer with guaranteed citric acid-soluble manganese: Citric acid-soluble manganese 0.002 MnO (3) For a fertilizer with guaranteed water-soluble manganese:		

	Water-soluble manganese 0.002 MnO 10. (1) For a fertilizer with guaranteed citric acid-soluble boron: Citric acid-soluble boron 0.002 B_2O_3 (2) For a fertilizer with guaranteed water-soluble boron: Water-soluble boron 0.002 B_2O_3 11. For a fertilizer with guaranteed acid-soluble sulfur: For acid-soluble sulfur 1.0 SO_4		

6 (1) Compound Fertilizer with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Ammonium phosphate	1. Ammoniacal nitrogen 8.4 N Water-soluble phosphoric acid 37.1 P_2O_5 2. For a fertilizer with guaranteed citric acid-soluble phosphoric acid in addition to the total phosphoric acid and water-soluble phosphoric acid: Ammoniacal nitrogen 8.4 N Citric acid-soluble phosphoric acid 37.1 P2O5 Water-soluble phosphoric acid 37.1 P_2O_5	Per 1.0% N+P_2O_5 of the sum of the largest nutrient content of nitrogen, and phosphoric acid: Arsenic 0.002 As Cadmium 0.000075 Cd	

	3. For a fertilizer with guaranteed citate soluble phosphoric acid in addition to the total phosphoric acid and water-soluble phosphoric acid: Ammoniacal nitrogen 8.4 N Citrate-soluble phosphoric acid 37.1 P2O5 Water-soluble phosphoric acid 37.1 P_2O_5		
Potassium nitrate	Nitrate nitrogen 9.7 N Water-soluble potassium 32.5 K_2O	Per 1.0% N+K_2O of each nirogen, and potassium: Nitrous acid 0.02 HNO_2	
Potassium phosphate	Water-soluble phosphoric acid 25.0 P_2O_5 Water-soluble potassium	Per 1.0% P_2O_5+K_2O of the content of each phosphoric acid, and potassium: Arsenic	

	24.2 K_2O	0.002 As Cadmium 0.000075 Cd	
Magnesium ammonium phosphate	Ammoniacal nitrogen 4.0 N Citrate-soluble phosphoric acid 20.0 P2O5 Citric acid-soluble magnesium 1.0 MgO	Per 1.0% N+P_2O_5 of the sum of each nitrogen and phosphoric acid: Arsenic 0.002 As Cadmium 0.000075 Cd Nickel 0.005 Ni Chromium 0.05 Cr Mercury 0.00005 Hg Lead 0.003 Pb	
Fused compound fertilizer (any of the following fertilizers: 1. A fused mixture of	1. Citric acid-soluble phosphoric acid 12.0 P_2O_5 Citric acid-soluble	Per 1.0% P2O5+K2O of the sum of the guaranteed mutrient content of phosphoric acid and	1～3 [omission] 4. The fertilizer made from the calcinated sludge of end-treatment plants of

fertilizer or fertilizer material 2. A fused mixture of materials for the fused silicate phosphate mentioned in 1 and fertilizer materials .)	potassium 1.0 K_2O 2. For a fertilizer with guaranteed alkalinity, acid-soluble silicic acid, or citric acid-soluble magnesium in addition to citric acid-soluble phosphoric acid and citric acid-soluble potassium : -In addition to the nutrient mentioned in 1, For alkalinity 40.0 CaO or CaO+MgO For acid-soluble silicic acid 10.0 SiO_2 For citric acid-soluble magnesium 20.0 MgO	potassium : Arsenic 0.002 As Cadmium 0.000075 Cd Nickel 0.005 Ni Chromium 0.05 Cr Titanium 0.02 Ti Mercury 0.00005 Hg Lead 0.003 Pb	sewerage must be recognized not to be toxic to plants as a result of vegetation experiment on toxicity to plants.

notes: part to be revised is underlined.

(2) Compound fertilizers with three-year-term of validity of registration

Type of fertilizer	Minimum content of main	Maximum permissible	Other limited particulars

	nutrients (%)	content of toxic substances (%)	
Mixed sludge compound fertilizer (A granulated or molded mixture of sludge fertilizer (limited to concentrated, digested, dehydrated, or dried sludge obtained from treatment excrement sewage plants was piled, decayed, and aged) and the nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or micro-	Refer to the Annexed table X provided that the sum of two and more of the main nutrient contents of nitrogen, phosphoric acid, or potassium: 2.0 N+P2O5, N+K2O, P2O5+K2O, or N+P2O5+K2O	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	1. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 2. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 3. A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 4. Sludge fertilizer must

element compound fertilizers)			be used less than 40% of the total weight of mixed sludge compound fertilizer when calculated as dry fermented sludge fertilizer. 5. [omission] 6. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.1.

notes: part to be revised is underlined.

(3) Compound fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Complex fertilizer (any of the following fertilizers 1. A granulated or molded	Refer to the Annexed table X provided that the sum of two and more of the main	Per 1.0% of the total of the largest nutrient content of each nitrogen,	1.~3. [omission] 4. The fertilizer made with both types of fertilizer

mixture of two and more of the nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers, 2. [omission] 3. A chemically treated fertilizer or fertilizer materials listed in material category 1 or 2 4. [omission] 5. [omission]	nutrient contents of nitrogen, phosphoric acid, or potassium: 2.0 N+P2O5, N+K2O, P2O5+K2O, or N+P2O5+K2O	phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5. [omission] 6. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.
Mixed animal waste compound fertilizer (A granulated or molded mixture of animal waste	Refer to the Annexed table X provided that the sum of two and more of the main nutrient contents of	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium:	1. [omission] 2. The fertilizer made with both types of fertilizer containing alkalinity and

(limited to heat-dried waste of cattle and hog) and the nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or micro-element compound fertilizers)	nitrogen, phosphoric acid, or potassium: 2.0 N+P2O5, N+K2O, P2O5+K2O, or N+P2O5+K2O	refer to the Annexed table of toxic substances 2.	calcium must be guaranteed with either alkalinity or calcium. 3. A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 4. Animal waste (limited to heat-dried waste of cattle and hog) must be guaranteed with nitrogen more than 2.0% and with the total of nitrogen, phosphoric acid and potassium more than 5.0% when calculated as dry animal waste. 5. Animal waste (limited to heat-dried waste of cattle and hog) must be used less than 70% of the total weight of mixed animal waste compound fertilizer

			when calculated as dry animal waste. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.
Mixed compost compound fertilizer (any of the following	Refer to the Annexed table X provided that the sum of two and more of the main	Per 1.0% of the total of the largest nutrient content of each nitrogen,	1. [omission] 2. The fertilizer made with both types of fertilizer

fertilizers: 1. A heat-drying with granulated or molded mixture of compost (limited to compost which mainly made from animal and poultry waste or organic matter of food origin) and the nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or micro-element compound fertilizers; 2. [omission])	nutrient contents of nitrogen, phosphoric acid, or potassium: 2.0 N+P2O5, N+K2O, P2O5+K2O, or N+P2O5+K2O	phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 3. A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 4. Compost (limited to compost which mainly made from organic matter of food origin) must be guaranteed with nitrogen more than 3.0% and with the total of nitrogen, phosphoric acid and potassium more than 5.0% when calculated as dry compost. 5. Compost (limited to compost which mainly made from animal and poultry waste or organic

			matter of food origin) must be 15 or less at the carbon nitrogen ratio （C/N）, and must be used less than 50% of the total weight of mixed compost compound fertilizer when calculated as dry compost. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is

			mandatory, that experiment must be inspected by the government.
Molded compound fertilizer (a granulated or molded mixture of nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers or microelement compound fertilizers, and any one of ligneous peat, waste fiber of paper-pulp, peat humus, ground rhyolitic tuff, or bentonite)	Refer to the Annexed table X provided that the sum of two and more of the main nutrient contents of nitrogen, phosphoric acid, or potassium: 2.0 N+P2O5, N+K2O, P2O5+K2O, or N+P2O5+K2O	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	1~3. [omission] 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5. A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. Ligneous peat (containing humus at the equivalent rate of 100ml and more of consumption of 0.02 mol per liter potassium permanganate solution per 1g dry matter) must be used at the rate of 20 to

			45% on a dry basis. 7. Waste fiber of paper-pulp (waste fiber obtained from wastewater from paper-pulp factory; containing 55% and more of holocellulose on a dry basis) must be used at the rate of 25 to 40% on a dry basis. 8. Peat humus (humus obtained from peat put under washing and separation; containing 20% and less of ashes on a dry basis) must be used at the rate of 10 to 25% on a dry basis. 9. Ground rhyolitic tuff (containing equivalent to 130mg and more of cation exchange capacity per 100g dry matter) must be used at the rate of 25 to

			35% on a dry basis. 10. Bentonite (containing equivalent to 50mg and more of cation exchange capacity per 100g dry matter) must be used at the rate of 25 to 35%. 11. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 12. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be

			inspected by the government.
Coated compound fertilizer (complex fertilizer or liquid fertilizer, coated with sulfur or other coating materials)	1. The sum of main nutrient contents of nitrogen and water-soluble phosphoric acid or water-soluble potassium 2.0 $N+P_2O_5$ or $N+K_2O$ 2~4. [omission] 5. For a fertilizer with guaranteed water-soluble calcium: Water-soluble magnesium 1.0 CaO 6. For a fertilizer with guaranteed water-soluble magnesium: Water-soluble magnesium 1.0 MgO 7. For a fertilizer with guaranteed water-soluble manganese: Water-soluble manganese	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	1~3. [omission] 4. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	0.10 MnO 8. For a fertilizer with guaranteed water-soluble boron: Water-soluble boron 0.05 B2O3 9. For a fertilizer with guaranteed acid-soluble sulfur: For acid-soluble sulfur 1.0 SO4		
Mixed fertilizer (any of the following fertilizers : 1. A mixture of two and more of nitrogen fertilizers, phosphate fertilizers, potash fertilizers, organic fertilizers, byproduct fertilizers, compound fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese	1. The sum of two or more of the largest nutrient contents of each nitrogen, phosphoric acid, or potassium 2.0 $N+P_2O_5$, $N+K_2O$, $P_2O_5+K_2O$, or $N+P_2O_5+K_2O$ 2~4. [omission] 5. For a fertilizer with guaranteed alkalinity: Alkalinity 5.0 CaO or CaO+MgO 6. (1) For a fertilizer with	Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2.	1~3. [omission] 4. The fertilizer made with both types of material containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5. A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials 6. The fertilizer must use

fertilizers, boron fertilizers, or microelement compound fertilizers ; 2~3. [omission])	guaranteed acid-soluble calcium 1.0 CaO (2) For a fertilizer with guaranteed citric acid-soluble calcium 1.0 CaO (3) For a fertilizer with guaranteed water-soluble calcium 1.0 CaO 7. (1) For a fertilizer with guaranteed acid-soluble silicic acid 5.0 SiO_2 (2) For a fertilizer with guaranteed water-soluble silicic acid 5.0 SiO_2 8 (1) For a fertilizer with guaranteed acid-soluble magnesium:		"the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

	Acid-soluble magnesium 1.0 MgO (2) For a fertilizer with guaranteed citric acid-soluble magnesium: Citric acid-soluble magnesium 1.0 MgO (3) For a fertilizer with guaranteed water-soluble magnesium: Water-soluble magnesium 0.01 MgO 9. (1) For a fertilizer with guaranteed acid-soluble manganese: Acid-soluble manganese 0.005 MnO (2) For a fertilizer with guaranteed citric acid-		

	soluble manganese: Citric acid-soluble manganese 0.005 MnO (3) For a fertilizer with guaranteed water-soluble manganese: Water-soluble manganese 0.005 MnO 10. (1) For a fertilizer with guaranteed citric acid-soluble boron: Citric acid-soluble boron 0.005 B_2O_3 (2) For a fertilizer with guaranteed water-soluble boron: Water-soluble boron 0.005 B_2O_3 11. For a fertilizer with guaranteed acid-soluble sulfur:		

	For acid-soluble sulfur 1.0 SO_4		

notes: part to be revised is underlined.

7 (1) Calcium Fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Calcium sulphate (a byproduct in the manufacturing of phosphoric acid)	1. Citric acid-soluble calcium, citrate-soluble calcium or water-soluble calcium 1.0 2.For a fertilizer with guaranteed total sulfur in addition to the nutrients mentioned in 1 Acid-soluble sulfur 1.0 SO_4	Per 1.0% largest nutrient content of each content of citric acid-soluble calcium, citrate-soluble calcium and water-soluble calcium: Arsenic 0.004 As Sulfamic acid (Amido sulfuric acid) 0.01 NH_2SO_3H	

notes: part to be revised is underlined.

(2) Calcium Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Mixed calcium fertilizer (a mixture of calcium fertilizers and organic fertilizers,	Refer to the Annexed table X provided that Alkalinity 5.0 CaO or	1.For a fertilizer which guarantee nitrogen and neither phosphate nor	1. The fertilizer with guaranteed total nitrogen must contain other forms

byproduct fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	CaO+MgO	potassium Per 1.0% N of total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which guarantee either phosphate or potassium and does not guarantee nitrogen Per 1.0% of the sum of the largest guaranteed nutrient content of each phosphoric acid, alkalinity, calcium, silicic acid, magnesium, manganese, boron and sulfate: refer to the Annexed table of toxic substances 2. 3. For a fertilizer which guarantee more than two	of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be

		of the nitrogen, phosphate or potassium Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2. 4. For a fertilizer which guarantee none of the nitrogen, phosphate or potassium Per 1.0% of the Alkalinity: refer to the Annexed table of toxic substances 1.	guaranteed with either alkalinity or calcium. 5 . A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the

			government.

notes: part to be revised is underlined.

8 [omission]

9 (1) Magnesium Fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Magnesium sulfate fertilizer	1.[omission] 2. For a fertilizer with guaranteed acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble sulfur 1.0 SO_4	[omission]	If a fertilizer is made from magnesium-containing materials added with sulfuric acid, the content of water-soluble manganese per the content of citric acid-soluble magnesium must be more than 0.8 .
Processed magnesium fertilizer (a material containing basic magnesium such as serpentinite and others, added with sulfuric acid)	1.[omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO Citric acid-soluble calcium	[omission]	[omission]

	1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4		

notes: part to be revised is underlined.

(2) Magnesium Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Coated magnesium fertilizer (magnesium fertilizer coated with sulfur or other coating materials)	1. Water-soluble magnesium 1.0 MgO 2. For a fertilizer with guaranteed water-soluble calcium , water-soluble magnesium, water-soluble manganese, water-soluble boron or acid-soluble sulfur in addition to the water-soluble magnesium : -In addition to the	[omission]	If a fertilizer is made from magnesium-containing materials added with sulfuric acid, the content of water-soluble manganese per the content of citric acid-soluble magnesium must be more than 0.8 .

	nutrients mentioned in 1, For water-soluble calcium 1.0 CaO For water-soluble magnesium 1.0 MgO For water-soluble manganese 0.10 MnO For water-soluble boron 0.05 B_2O_3 For acid-soluble sulfur 1.0 SO_4		
Processed magnesium fertilizer (a material containing basic magnesium such as serpentinite and others, added with sulfuric acid)	1.[omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO	[omission]	[omission]

	Citric acid-soluble calcium 1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4		
Mixed magnesium fertilizer (a mixture of magnesium fertilizers and organic fertilizers, byproduct fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	Refer to the Annexed table X provided that Cirtic acid-soluble magnesium 1.0 MgO Water-soluble magnesium 1.0 MgO	1.For a fertilizer which guarantee nitrogen and neither phosphate nor potassium Per 1.0% N of total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which guarantee either phosphate or potassium and does not guarantee nitrogen Per 1.0% of the sum of	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-

		the largest guaranteed nutrient content of each phosphoric acid, alkalinity, calcium, silicic acid, magnesium, manganese, boron and sulfate: refer to the Annexed table of toxic substances 2. 3. For a fertilizer which guarantee more than two of the nitrogen, phosphate or potassium Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2. 4. For a fertilizer which guarantee none of the nitrogen, phosphate or potassium	soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which

		Per 1.0% of the Cirtic acid-soluble magnesium: refer to the Annexed table of toxic substances 2.	can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

notes: part to be revised is underlined.

10 (1) Manganese Fertilizers with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Manganese sulfate fertilizer	1.[omission] 2. For a fertilizer with guaranteed acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble sulfur 1.0 SO_4	[omission]	
Processed manganese fertilizer (a mixture of manganese-containing and magnesium-containing materials, added with sulfuric acid)	1.[omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO Citric acid-soluble calcium	[omission]	

	1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4		

notes: part to be revised is underlined.

(2) Manganese Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Mixed manganese fertilizer (a mixture of manganese fertilizers and organic fertilizers, byproduct fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	Refer to the Annexed table X provided that water-soluble manganese 0.10 MnO Water-soluble magnesium 1.0 MgO	1.For a fertilizer which guarantee nitrogen and neither phosphate nor potassium Per 1.0% N of total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made

		guarantee either phosphate or potassium and does not guarantee nitrogen Per 1.0% of the sum of the largest guaranteed nutrient content of each phosphoric acid, alkaliniy, calcium, silicic acid, magnesium, manganese, boron and sulfate: refer to the Annexed table of toxic substances 2. 3. For a fertilizer which guarantee more than two of the nitrogen, phosphate or potassium Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic	with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. The fertilizer must use "the certified ingredient"

		substances 2. 4. For a fertilizer which guarantee none of the nitrogen, phosphate or potassium Per 1.0% of the water-soluble manganese: refer to the Annexed table of toxic substances 1.	which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which didn't go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

notes: part to be revised is underlined.

11 (1) Boron Fertilizes with six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Processed boron fertilizer (a mixture of boron-containing materials and basic magnesium-containing materials such as serpentinite and others, added with sulfuric acid)	1.[omission] 2. For a fertilizer with guaranteed acid-soluble calcium, citric acid-soluble calcium, water-soluble calcium or acid-soluble sulfur in addition to the nutrients mentioned in 1 Acid-soluble calcium 1.0 CaO Citric acid-soluble calcium 1.0 CaO Water-soluble calcium 1.0 CaO Acid-soluble sulfur 1.0 SO_4	[omission]	

notes: part to be revised is underlined.

12 (2) Microelement Compound Fertilizers with three or six-year-term of validity of registration

Type of fertilizer	Minimum content of main nutrients (%)	Maximum permissible content of toxic substances (%)	Other limited particulars
Mixed microelement fertilizer (a mixture of manganese fertilizers, boron, fertilizers, microelement compound fertilizers, or magnesium fertilizers and organic fertilizers, byproduct fertilizers, calcium fertilizers, silicate fertilizers, magnesium fertilizers, manganese fertilizers, boron fertilizers, or microelement compound fertilizers)	Refer to the Annexed table X provided that the sum of the largest main nutrient content of each manganese and boron 0.15 $MnO+B_2O_3$	1.For a fertilizer which guarantee nitrogen and neither phosphate nor potassium Per 1.0% N of total, ammoniacal, or nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen: refer to the Annexed table of toxic substances 1. 2. For a fertilizer which guarantee either phosphate or potassium and does not guarantee nitrogen Per 1.0% of the sum of the largest guaranteed nutrient content of each phosphoric acid, alkalinity,	1. The fertilizer with guaranteed total nitrogen must contain other forms of nitrogen than ammoniacal or nitrate nitrogen, and contain both ammoniacal and nitrate nitrogen. 2. The fertilizer with guaranteed total phosphoric acid or total potassium must be made with animal or vegetable raw materials. 3. The fertilizer made with both types of fertilizer containing citric acid-soluble and citrate-soluble phosphoric acid must be guaranteed with either

		calcium, silicic acid, magnesium, manganese, boron and sulfate: refer to the Annexed table of toxic substances 2. 3. For a fertilizer which guarantee more than two of the nitrogen, phosphate or potassium Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium: refer to the Annexed table of toxic substances 2. 4. For a fertilizer which guarantee none of the nitrogen, phosphate or potassium Per 1.0% of the sum of the largest main nutrient content of	citric acid-soluble or citrate-soluble phosphoric acid. 4. The fertilizer made with both types of fertilizer containing alkalinity and calcium must be guaranteed with either alkalinity or calcium. 5 . A fertilizer guaranteed acid-soluble manganese must contain a fertilizer guaranteed acid-soluble manganese as materials. 6. The fertilizer must use "the certified ingredient" which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can't be contaminated with bovine vertebral column and cattle which

		each manganese and boron: refer to the Annexed table of toxic substances 2.	didn’t go through slaughter. 7. For a fertilizer made from the material for which vegetation experiment is mandatory, that experiment must be inspected by the government.

notes: part to be revised is underlined.

13 Sludge Fertilizers and Others with three-year-term of validity of registration

Type of fertilizer	Maximum permissible content of toxic substances (%)	Other limited particulars
Sludge fertilizer (any of the following fertilizers: 1. The fertilizer made from the materials listed in material category 3, No.1~3 2. A mixture or a dried mixture of sludge fertilizer mentioned in 1 3. Piled, decayed and aged materials listed in material category 3, No.1~3 or that materials mixed with raw materials of vegetable or animal, or material listed in material category 3, No.4 4. The fertilizer made from the materials listed in material category 3, No.4)	Arsenic 0.005 As Cadmium 0.0005 Cd Mercury 0.0002 Hg Nickel 0.03 Ni Chromium 0.05 Cr Lead 0.01 Pb	1.The fertilizer which material is not undergone vegetation experiment must be recognized not to be toxic to plants as a result of undergoing vegetation experiment on toxicity to plants. 2. The fertilizer must use “the certified ingredient” which was confirmed by the Minister of Agriculture, Forestry and Fisheries to have been produced in processing plants which can’t be contaminated with bovine vertebral column and cattle which didn’t go through slaughter.
Marine-byproduct fermented	[omission]	1.The fertilizer that the

fertilizer (Piled, decayed and aged materials listed in material category 3, No.5 mixed with raw materials of vegetable or animal)		marine-byproduct is not undergone vegetation experiment must be recognized not to be toxic to plants as a result of undergoing vegetation experiment on toxicity to plants. 2～3 [omission]
Sulfur or sulfur compound (The fertilizer made from the materials listed in material category 3, No.6)	[omission]	The fertilizer that the inclusion of sulfur is not undergone vegetation experiment must be recognized not to be toxic to plants as a result of undergoing vegetation experiment on toxicity to plants.

notes: part to be revised is underlined.

Annexed table X

1. (1) For a fertilizer with guaranteed total nitrogen:			
Total nitrogen	1.0	N	
(2)For a fertilizer with guaranteed ammoniacal nitrogen:			
Ammoniacal nitrogen	1.0	N	
(3) For a fertilizer with guaranteed nitrate nitrogen:			
Nitrate nitrogen	1.0	N	
2. (1) For a fertilizer with guaranteed total phosphoric acid:			
Total phosphoric acid	1.0	P_2O_5	
(2) For a fertilizer with guaranteed citric acid-soluble phosphoric acid:			
Citric acid-soluble phosphoric acid	1.0	P_2O_5	
(3) For a fertilizer with guaranteed citrate-soluble phosphoric acid:			
Citrate-soluble phosphoric acid	1.0	P_2O_5	
(4) For a fertilizer with guaranteed water-soluble phosphoric acid:			
Water-soluble phosphoric acid	1.0	P_2O_5	
3. (1) For a fertilizer with guaranteed total potassium:			
Total potassium	1.0	K_2O	
(2) For a fertilizer with guaranteed citric acid-soluble potassium:			
Citric acid-soluble potassium	1.0	K_2O	
(3) For a fertilizer with guaranteed water-soluble potassium:			
Water-soluble potassium	1.0	K_2O	
4.For a fertilizer with guaranteed alkalinity: Alkalinity			
5.0	CaO or CaO+MgO		
5. (1) For a fertilizer with guaranteed acid-soluble calcium:			

Acid-soluble calcium	1.0	CaO
(2) For a fertilizer with guaranteed citric acid-soluble calcium:		
Citric acid-soluble calcium	1.0	CaO
(3) For a fertilizer with guaranteed water-soluble calcium:		
Water-soluble calcium	1.0	CaO
6.(1) For a fertilizer with guaranteed acid-soluble silicic acid:		
Acid-soluble silicic acid	5.0	SiO_2
(2) For a fertilizer with guaranteed water-soluble silicic acid		
Water-soluble silicic acid	5.0	SiO_2
7.(1) For a fertilizer with guaranteed acid-soluble magnesium:		
Acid-soluble magnesium	1.0	MgO
(2) For a fertilizer with guaranteed citric acid-soluble magnesium:		
Citric acid-soluble magnesium	1.0	MgO
(3) For a fertilizer with guaranteed water-soluble magnesium:		
Water-soluble magnesium	1.0	MgO
8. (1) For a fertilizer with guaranteed acid-soluble manganese:		
Acid-soluble manganese	0.10	MnO
(2) For a fertilizer with guaranteed citric acid-soluble manganese:		
Citric acid-soluble manganese	0.10	MnO
(3) For a fertilizer with guaranteed water-soluble manganese:		
Water-soluble manganese	0.10	MnO
9. (1) For a fertilizer with guaranteed citric acid-soluble boron:		
Citric acid-soluble boron	0.05	B_2O_3
(2) For a fertilizer with guaranteed water-soluble boron:		

Water-soluble boron	0.05	B_2O_3
10. For a fertilizer with guaranteed acid-soluble sulfur:		
Acid-soluble sulfur	1.0	SO_4

Annexed Table Y

1. For a fertilizer with guaranteed acid-soluble silicic acid:			
	Acid-soluble silicic acid	5.0	SiO_2
For a fertilizer with guaranteed water-soluble silicic acid:			
	Water-soluble silicic acid	5.0	SiO_2
2 (1) For a fertilizer with guaranteed acid-soluble magnesium:			
	Acid-soluble magnesium	1.0	MgO
(2) For a fertilizer with guaranteed citric acid-soluble magnesium:			
	Citric acid-soluble magnesium	1.0	MgO
(3) For a fertilizer with guaranteed water-soluble magnesium:			
	Water-soluble magnesium	1.0	MgO
3. (1) For a fertilizer with guaranteed acid-soluble manganese:			
	Acid-soluble manganese	0.10	MnO
(2) For a fertilizer with guaranteed citric acid-soluble manganese:			
	Citric acid-soluble manganese	0.10	MnO
(3) For a fertilizer with guaranteed water-soluble manganese:			
	Water-soluble manganese	0.10	MnO
4. (1) For a fertilizer with guaranteed citric acid-soluble boron:			
	Citric acid-soluble boron	0.05	B_2O_3
(2) For a fertilizer with guaranteed water-soluble boron:			
	Water-soluble boron	0.05	

Annexed Table of toxic substance 1

Thiocyanates	0.01	NH_4SCN
Arsenic	0.004	As
Nitrous acid	0.04	HNO_2
Biuret nitrogen	0.02	N
Sulfamic acid	0.01	NH_2SO_3H
Cadmium	0.00015	Cd
Nickel	0.01	Ni
Chromium	0.1	Cr
Titanium	0.04	Ti
Mercury	0.0001	Hg
Lead	0.006	Pb

Annexed Table of toxic substance 2

Thiocyanates	0.005	NH_4SCN
Arsenic	0.002	As
Nitrous acid	0.02	HNO_2
Biuret nitrogen	0.01	N
Sulfamic acid	0.005	NH_2SO_3H
Cadmium	0.000075	Cd
Nickel	0.005	Ni
Chromium	0.05	Cr
Titanium	0.02	Ti
Mercury	0.00005	Hg
Lead	0.003	Pb

Annexed Table of toxic substance 3

1. For a fertilizer which guarantee one of nitrogen, phosphoric acid and potassium

(1) For a fertilizer which guarantee nitrogen and neither phosphate nor potassium

Per 1.0% of the largest nutrient content of total nitrogen, ammoniacal nitrogen, nitrate nitrogen, or the sum of ammoniacal and nitrate nitrogen:

Thiocyanates	0.01	NH_4SCN
Arsenic	0.004	As
Nitrous acid	0.04	HNO_2
Biuret nitrogen	0.02	N
Sulfamic acid	0.01	NH_2SO_3H

(2) For a fertilizer which guarantee phosphate and neither nitrogen nor potassium

Per 1.0% of the largest nutrient content of total phosphate, citric acid-soluble phosphate, citrate-soluble phosphate or water-soluble phosphate:

Arsenic	0.004	As
Cadmium	0.00015	Cd

For a fertilizer made from slag, per 1.0% of the largest nutrient content of total phosphate, citric acid-soluble phosphate, citrate-soluble phosphate or water-soluble phosphate:

Nickel	0.005	Ni
Chromium	0.05	Cr

are added.

Exceptionally, for a fertilizer made from the materials listed in material category 3, No.6 “h” or ”i” , per 1.0% of the largest nutrient content of total phosphate, citric acid-soluble phosphate, citrate-soluble phosphate or water-soluble phosphate:

Arsenic	0.004	As

Cadmium	0.00015	Cd
Nickel	0.01	Ni
Chromium	0.1	Cr
Mercury	0.0001	Hg
Lead	0.006	Pb

(3). For a fertilizer which guarantee potassium and neither nitrogen nor phosphate

Per 1.0% of the largest nutrient content of total, potassium, citrate-soluble potassium or water-soluble potassium:

Arsenic	0.004	As

2. For a fertilizer which guarantee more than two of the nitrogen, phosphate or potassium

Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium:

Thiocyanates	0.005	NH_4SCN
Arsenic	0.002	As
Nitrous acid	0.02	HNO_2
Biuret nitrogen	0.01	N
Sulfamic acid	0.005	NH_2SO_3H
Cadmium	0.000075	Cd

Exceptionally, for a fertilizer made from the materials listed in material category 3, No.6 “h” or ”i” , Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium:

Arsenic	0.002	As
Cadmium	0.000075	Cd
Nickel	0.001	Ni
Chromium	0.05	Cr
Mercury	0.00005	Hg
Lead	0.003	Pb

3. For a fertilizer which guarantee silicate and none of the nitrogen, phosphate and potassium

Per 1.0% of the total of the largest nutrient content of each acid-soluble silicic acid or water-soluble silicic acid:

Nickel	0.01	Ni
Chromium	0.1	Cr
Titanium	0.04	Ti

maximum limited content:

Nickel	0.4	Ni
Chromium	4.0	Cr
Titanium	1.5	Ti

4. For a fertilizer which guarantee alkalinity or calcium and none of the nitrogen, phosphate, potassium and silicate

Per 1.0% of the total of the largest nutrient content of alkalinity or calcium:

Nickel	0.01	Ni
Chromium	0.1	Cr
Titanium	0.04	Ti

maximum limited content:

Nickel	0.4	Ni
Chromium	4.0	Cr
Titanium	1.5	Ti

5. For a fertilizer which guarantee none of the nitrogen, phosphate, potassium, silicate, alkalinity and calcium:

(1) For a fertilizer which guarantee magnesium and does not guarantee manganese

Per 1.0% of the total of the largest nutrient content of acid-soluble magnesium, citric acid-soluble magnesium or water-soluble magnesium:

Nickel	0.01	Ni
Chromium	0.1	Cr

Titanium	0.04	Ti

(2) For a fertilizer which guarantee manganese and does not guarantee boron

Per 1.0% of the total of the largest nutrient content of acid-soluble manganese, citric acid-soluble manganese or water-soluble manganese:

Nickel	0.01	Ni
Chromium	0.1	Cr
Titanium	0.04	Ti

(3) For a fertilizer which guarantee manganese and boron

Per 1.0% of the sum of the largest main nutrient content of each manganese and boron:

Arsenic	0.002	As
Nitrous acid	0.02	HNO_2
Nickel	0.005	Ni
Chromium	0.05	Cr
Titanium	0.02	Ti

6. Unrelated to the description 1~5 stated above, for a fertilizer which made from the materials of different number stated in material category or materials undergone vegetation experiment

(1) For a fertilizer which guarantee nitrogen and neither phosphate nor potassium, or a fertilizer which guarantee silicate and none of the nitrogen, phosphate and potassium, or a fertilizer which guarantee alkalinity or calcium and none of the nitrogen, phosphate, potassium and silicate, or a fertilizer which guarantee magnesium, manganese or boron (except a fertilizer which guarantee both manganese and boron) and none of the nitrogen, phosphate, potassium, silicate, alkalinity and calcium

Per 1.0% of the largest nutrient content

Thiocyanates	0.01	NH_4SCN
Arsenic	0.004	As

Nitrous acid	0.04	HNO_2
Biuret nitrogen	0.02	N
Sulfamic acid	0.01	NH_2SO_3H
Cadmium	0.00015	Cd
Nickel	0.01	Ni
Chromium	0.1	Cr
Titanium	0.04	Ti
Mercury	0.0001	Hg
Lead	0.006	Pb

For a fertilizer made from slag, maximum limited content:

Nickel	0.4	Ni
Chromium	4.0	Cr
Titanium	1.5	Ti

(2) For a fertilizer which guarantee more than two of the nitrogen, phosphate or potassium

Per 1.0% of the total of the largest nutrient content of each nitrogen, phosphoric acid and potassium:

Thiocyanates	0.005	NH_4SCN
Arsenic	0.002	As
Nitrous acid	0.02	HNO_2
Biuret nitrogen	0.01	N
Sulfamic acid	0.005	NH_2SO_3H
Cadmium	0.000075	Cd
Nickel	0.005	Ni
Chromium	0.05	Cr
Titanium	0.02	Ti

Mercury	0.00005	Hg
Lead	0.003	Pb

For a fertilizer made from slag, maximum limited content:

Nickel	0.4	Ni
Chromium	4.0	Cr
Titanium	1.5	Ti

(3) For a fertilizer which guarantee both manganese and boron, and none of the nitrogen, phosphate, potassium, silicate, alkalinity and calcium

Per 1.0% of the sum of the largest main nutrient content of each manganese and boron:

Thiocyanates	0.005	NH_4SCN
Arsenic	0.002	As
Nitrous acid	0.02	HNO_2
Biuret nitrogen	0.01	N
Sulfamic acid	0.005	NH_2SO_3H
Cadmium	0.000075	Cd
Nickel	0.005	Ni
Chromium	0.05	Cr
Titanium	0.02	Ti
Mercury	0.00005	Hg
Lead	0.003	Pb

For a fertilizer made from slag, maximum limited content:

Nickel	0.4	Ni
Chromium	4.0	Cr

Titanium	1.5	Ti

Table of Raw material Specification Category 1

Material Category 1		
No	Type of the material	Requirements of the material
1	Materials derived from animals	a. Fish and Shel fish (excluding collected guts)
		b. Fish and Shel fish (including collected guts)
		c. By-product in the process of manufacturing animal fiber from textile industry
		d. By-product in the process of manufacturing food or feed derived from animal (excluding Fish and Shel fish)
		e. Inclusion of gelatin or collagen by-product from gelatin or leather tanning manufacturing industry (excluding by-product in the process of manufacturing chrome tanning leather)
		f. Fermented materials from any of a, b, c, d and e
2	Materials derived from plants	a. Residue of agricultural products, sea weeds or decomposed materials of these by enzyme
		b. By-product in the process of manufacturing food, beverage or feed derived from plants
		c. Molasses
		d. By-product in the process of manufacturing starch
		e. Fermented materials from any of a, b, c, and d

3	Materials derived from Microbe	a. Fermented by-product in the process of manufacturing food, beverage or feed
		b. Fermented by-products in the process of manufacturing medicine made of plants or penicillin
		c. By-product in the process of manufacturing yeast for food
		e. By-product in the process of manufacturing ethyl alcohol, citric acid, lactic acid, etc from fermentation industry
		f. Dried microbe
		g. Dried residue of microbe that its lipid or nucleic acid extracted

Note

1. Limited to animal and plant materials
2. Including the materials treated by pulverization, concentration, dehydration, dry, etc.
3. Including the materials with added ingredients listed in Article 4, paragraph 4 of the Ordinance for the Enforcement of the Fertilizer Regulation Act or water
4. Excluding the sewage sludge obtained from treatment plants of draining

Table of Raw material Specification Category 2

Material Category 2		
No	Type of the material	Requirements of the material
1	Inclusion of water-soluble nitrogen compounds (materials including nitrogen compounds except for ammonium salt and nitrate salt)	a. Amino acid, nucleic acid or a salt thereof(limited to the materials manufactured as reagent or industrial chemicals)
		b. Allantoin (limited to the materials manufactured as reagent or industrial chemicals)
		c. Oxamide (limited to the materials manufactured as regents or industrial chemicals)
		d. Cyanamide (limited to the materials manufactured as reagents or industrial chemicals)
		e. By-product in the process of manufacturing enzymes for food, feed additives or artificial sweeteners
		f. Calcium Cyanamide (limited to the materials manufactured as reagents or industrial chemicals)
		g. Triazone (limited to the materials manufactured as reagents or industrial chemicals)
		h. Urea (limited to the materials manufactured as reagents or industrial chemicals) or a formaldehyde addition thereof
		i. Monoethanolamine (limited to the materials manufactured as reagents or industrial chemicals)
		j. Guanyl Urea Sulfate (limited to the materials manufactured as reagents or industrial chemicals)
		k. EDTA or a salt thereof (limited to the materials manufactured as reagents or

		industrial chemicals)
		l. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
2	Inclusion of microbe (fermented by-product or materials including microbe obtained from culture)	b. Fermented by-product in the process of manufacturing food, beverage or feed (including the materials with added sulfuric acid, hydrochloric acid, ammonia, potassium chloride or potassium hydroxide after the separation of staple product)
		c. Fermented by-product in the process or manufacturing medicine made of plants or penicillin (including the materials with added sulfuric acid, hydrochloric acid, ammonia, potassium chloride or potassium hydroxide after the separation of staple product)
		d. By-product in the process of manufacturing yeast for food (including the materials with added sulfuric acid, hydrochloric acid, ammonia, potassium chloride or potassium hydroxide after the separation of staple product)
		e. By-product in the process of manufacturing ethyl alcohol, citric acid, lactic acid, etc. (including the materials with added sulfuric acid, hydrochloric acid, ammonia, potassium chloride or potassium hydroxide after the separation of staple product)
		f. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
3	Inclusion of the materials derived from animal and plant materials (animal and plant materials with added acid, alkaline, etc.	a. Chitin or chitosan (limited to the materials manufactured as reagents or industrial chemicals)
		b. Gelatin (limited to the materials manufactured as reagents or industrial chemicals)
		c. Animal and plant materials with added sulfuric acid, hydrochloric acid, nitric acid phosphorus acid sodium hydroxide potassium hydroxide potassium carbonate alcohol

	and residue of animal and plant materials that its chemical compounds extracted)	for cooking and enzyme
		d. Phytic acid (limited to the materials manufactured as reagents or industrial chemicals)
		e. Betaine (limited to the materials manufactured as reagents or industrial chemicals)
		f. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
4	Inclusion of ammonia (materials including ammonia or ammonium salt)	a. Chemical compounds manufactured as reagents or industrial chemicals
		b. Ammonia or inclusion of ammonium sulfate collected from the process of manufacturing enzyme for food, amino acid, artificial sweeteners or feed additives
		c. Inclusion of ammonium sulfate collected in the chemical reaction of sulfuric acid and ammonia generated from the heating decomposition of urea
		d. Inclusion of ammonium sulfate or inclusion of phosphate ammonium collected in the chemical reaction of sulfuric acid or phosphoric acid and ammonia in exhaust gas generated in the process of producing compost or sewage sludge fertilizer
		e. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
5	Inclusion of nitric acid (materials including nitric acid or nitric salt)	a. Chemical compounds manufactured as reagents or industrial chemicals
		b. By-product in the process of producing carbonic rare earth or rare earth oxide (limited to the inclusion of ammonium nitrate)
		c. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for

		plants
6	Inclusion of phosphoric acid (materials including phosphoric acid, diphosphoric acid, polyphosphoric acid, phosphorous acid or salt thereof)	a. Chemical compounds manufactured as reagents or industrial chemicals
		b. Inclusion of sodium phosphate generated by adding sodium hydroxide to any of the following liquid containing phosphoric acid (1) Liquid in the process of manufacturing Inositol (2) Residual liquid which extracted from making process of phosphoric acid
		c. Inclusion of ammonium phosphate generated in any of the following process of removing the surface water-repellent coating of powdered fire-extinguishing agent contains ammonium phosphate (1) Compression, grinding or pulverizing (2) Mixing with alcohol and diffusion of the alcohol (3) Mixing with urea aqueous solution
		d. Steel furnace slag
		e. Inclusion of calcium phosphate generated by adding lime to any of the following phosphoric acid inclusion liquid or phosphorous acid inclusion liquid (1) Collected materials of phosphoric acid solution used for etching treatment of aluminum foil (2) Fermented by-product solution in the process of manufacturing amino acid (3) Liquid in the process of manufacturing Inositol (4) Collected phosphoric acid solution used for washing liquid crystal panel (5) Collected materials of phosphoric acid solution used in the time when ethanol was manufactured (6) Waste liquid in the process of manufacturing ossein

		(7) Collected liquid of waste gas generated in the process of manufacturing iron phosphate for casting, copper phosphate or nickel phosphate (8) Phosphorous acid solution liquid generated in the process of collecting nickel from liquid waste of nickel plating (9) Liquid in the process of manufacturing vitamin B1
		f. Phosphate rock or reacted materials with sulfuric acid, nitric acid, phosphoric acid or ammonia thereof
		g. Crystalized materials added with calcium chloride or calcium hydroxide to separated liquid generated in the process of solid-liquid separation such as coagulation sedimentation or membrane separation after wastewater treatment in treatment plants of sewage, treatment plants of excrement, treatment plant of village draining (in the case of using seed crystal, limited to the fertilizer equivalent)
		h. Precipitated materials added with calcium chloride or calcium hydroxide to separated liquid obtained by solid-liquid separation of the incineration ash of sludge generated from treatment plants of sewage, treatment plants of excrement, treatment plants of village draining added with sodium hydroxide
		h. Crystalized materials added with magnesium chloride, magnesium hydroxide, magnesium sulfate to the digested liquid or dehydrated filtrate with extracted its sediment after the digestion process of the sludge generated from treatment plants of sewage, treatment plants of excrement, treatment plants of village draining or food manufacturing industry, the drain obtained from food manufacturing industry or compound thereof (in the case of the materials crystalized in digested liquid, limited to the washed one with water after collected) (in the case of using seed crystal, limited to the fertilizer equivalent)

		i. Crystalized materials added with magnesium chloride, magnesium hydroxide, magnesium sulfate in treatment plants of excrement (limited to the washed materials with water after collected) (in the case of using seed crystal, limited to the fertilizer equivalent)
		j. By-product in the industry listed in Annexed Table No.1 or collected materials in treatment plants of sewage, treatment plants of excrement, treatment plants of village drain and treatment plants of drain listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.(Limited to the materials with recognized its removal of sludge. Meanwhile, in the case of using adsorbing material, limited to the one which recognized its quality.)
7	Inclusion of potassium (materials including potassium oxide, potassium hydroxide or potassium salt)	a. Chemical compound manufactured as reagent or industrial chemical
		b. By-product in the process of manufacturing alkylsalicylate (limited to the inclusion of potassium sulfate)
		c. Materials added potassium hydroxide to seaweed
		d. By-product in the process of manufacturing sugar with using sugar beet or sugarcane for its row materials (limited to the inclusion of potassium sulfate)
		e. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
8	Ash of burning animal and plant materials	a. Ash generated in the process of burning any of the following one or more materials (1) Bunch or fruit of oil palm (2) By-product in the process of manufacturing alcohol (limited to animal and plant materials)

		(3) Disposed mushroom bed (limited to animal and plant materials) (4) Coffee grounds (5) By-product in the process of manufacturing corn starch (limited to animal and plant materials) (6) Category of oil seed cake (7) Poultry manure (8) Cattle manure (9) Feeds (limited to animal and plant materials)
		b. Ash generated in the process of burning by-products in the industry listed in Annexed Table No.1 (limited to animal and plant materials) and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
9	Inclusion of silicic acid (materials including silicic acid or silicate)	a. Chemical materials manufactured as reagent or industrial chemical
		b. Furnace slag
		c. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
10	Inclusion of calcium (materials including calcium oxide, calcium hydroxide or calcium salt)	a. Chemical materials manufactured as reagent or industrial chemical
		b. Shell-fossil
		c. Shell
		d. Furnace slag
		e. By-product in the process of manufacturing calcium hydroxide or calcium carbonate (limited to inclusion of calcium oxide, calcium hydroxide or calcium carbonate)

		f. Limestone
		g. By-product in the process of manufacturing sugar (limited to inclusion of calcium oxide, calcium hydroxide or calcium carbonate)
		h. Dolomite
		i. Egg shell
		j. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
11	Inclusion of magnesium (materials including magnesium oxide, magnesium hydroxide or magnesium salt)	a. Chemical materials manufactured as reagent or industrial chemical
		b. Sea water
		c. By-product in the process of manufacturing magnesium chloride with using sea water for its row materials (limited to inclusion of magnesium hydroxide or inclusion of magnesium chloride)
		d. By-product in the process of manufacturing magnesium hydroxide (limited to inclusion of magnesium hydroxide)
		e. Dolomite brick
		f. Ferronickel furnace slag
		g. Brucite
		h. By-product in the process of manufacturing magnesia clinker (limited to inclusion of magnesium oxide or inclusion of magnesium hydroxide)
		i. Materials of calcined mineral or rock including magnesium

		j. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
12	Inclusion of manganese (materials including manganese oxide, manganese hydroxide or manganese salt)	a. Chemical compounds manufactured as reagent or industrial chemical
		b. Ferromanganese furnace slag or silicomanganese furnace slag
		c. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
13	Inclusion of boric acid (materials including boric acid or boric salt)	a. Chemical compounds manufactured as reagent or industrial chemical
		b. By-product in the industry listed in Annexed Table No.1 and recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants
14	By-product of manufacturing fertilizer	Materials generated in the process of manufacturing component guaranteed fertilizers
15	Activated sediment of food factory, etc.	Microbe obtained when wastewater of manufacturing main product in the industry listed in Annexed Table No.3 is purified through activated sludge process
Note 1. Including the materials treated by pulverization, concentration, dehydration, dry, etc. 2. Including the materials with added ingredients listed in Article 4, paragraph 4 of the Ordinance for the Enforcement of the Fertilizer Regulation Act or water 3. Including the materials with added ingredients listed in Annexed Table No.2 for the purpose of neutralizing or pH adjusting 4. Excluding the sewage sludge obtained from treatment plants of draining		

Table of Raw material Specification Category 3

Material Category 3			
No	Type of the material	Requirements of the material	Other limited particulars
1	Sewerage sludge	Concentrated, digested, dehydrated, or dried sewage sludge obtained from end-treatment plants of sewerage	1. Raw materials conforming to the criteria listed in Annexed Table No.1 of the Ministry Ordinance on "Establishment of Criteria Relating to Industrial Wastes Containing Metals, etc." (Prime Minister's Office Ordinance No.5 of 1973) must be used. 2. In the case of being used for the product which is not required the investigation of vegetation experiment on toxicity for plants, it must be recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
2	Excrement Sewage Sludge	a. Concentrated, digested, dehydrated, or dried sewage sludge obtained from treatment plants of excrement	
		b. Concentrated, digested, dehydrated, or dried sewage sludge obtained from treatment plants of village draining	
		c. Concentrated, digested, dehydrated, or dried sewage sludge obtained from septic tank	
		d. Excrement or dehydrated/dried excrement mixed with coagulating agent or deodorant agent	
		e. Animal excrement or dehydrated/dried animal excrement mixed with coagulating agent (excluding the coagulating agents listed in Annexed Table of the Ministry	

		Ordinance on “Specifying Special Fertilizer, etc.” (Ministry of Agriculture and Forestry Ordinance No.177 of June 20th, 1950) or deodorant agent	
3	Industrial Sewage Sludge	a. Concentrated, digested, dehydrated, or dried sewage sludge obtained from draining treatment plants of factories	
		b. Concentrated, digested, dehydrated, or dried sewage sludge obtained from draining treatment plants of places of production	
4	Ashes of burning of Sewage Sludge	a. Ashes gain by calcination of materials listed in No.1~3	In the case of being used for the product which is not required the investigation of vegetation experiment on toxicity for plants, it must be recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
		b. Ashes gain by calcination of materials listed in No.1~3 mixed with raw materials of vegetable or animal	
5	Marine-Byproduct	Internal organs of fish and shellfish	1.Raw material conforming to the criteria listed in Annexed Table No.1 of the Ministry Ordinance on "Establishment of Criteria Relating to Industrial Wastes Containing Metals, etc." (Prime

			Minister's Office Ordinance No.5 of 1973) must be used. 2. In the case of being used for the product which is not required the investigation of vegetation experiment on toxicity for plants, it must be recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
6	Inclusion of Sulfur	a. Materials in the process of manufacturing reagent or industrial chemical b. By-product in the industry listed in Annexed Table No.1	In the case of being used for the product which is not required the investigation of vegetation experiment on toxicity for plants, it must be recognized not to be toxic to plants as a result of the investigation of vegetation experiment on toxicity for plants.
Note 1. Including the materials treated by pulverization, concentration, dehydration, dry, etc. 2. Including the materials with added ingredients listed in Article 4, paragraph 4 of the Ordinance for the Enforcement of the Fertilizer Regulation Act or water			

Annexed Table No.1

1. Agriculture
2. Fisheries
3. Aquaculture
4. Manufacture of Food
5. Manufacture of Beverages, Tobacco and Feed
6.Manufacture of Chemical and Allied Products
7. Manufacture of Textile Products
8. Manufacture of Leather Tanning, Leather Products and Fur Skins (limited to Manufacture of Leather Tanning and Fur Skins)
9. Mining and Quarrying of Stone and Gravel (excluding Metal Mining)
10. Manufacture of Pulp, Paper and Paper Products (limited to Manufacture of Pulp and Paper)
11. Manufacture of Ceramic, Stone and Clay Products (excluding Glass and Its Products)
12. Manufacture of Iron and Steel
13. Manufacture of Non-Ferrous Metals and Products
14. Manufacture of Electronic Parts, Devices and Electronic Circuits (limited to the industries including the process of phosphate recovering)
15. Processing Desulfurization or Denitrification of Combustion Gas from Combustion of Coal, Petroleum, etc.

Annexed Table No.2

1. Acidic Raw Materials as follows

Sulfuric acid, Hydrochloric acid, Nitric acid, Phosphoric acid, Citric acid, Acetic acid, Formic acid or Silicic acid

2. Basic Raw Materials as follows

Ammonia liquid or ammonia gas, Sodium silicate, Sodium carbonate, Sodium acetate, Sodium hydroxide, Potassium carbonate, Potassium oxide, Potassium hydroxide, Calcium carbonate, Calcium oxide, Calcium hydroxide, Magnesium carbonate, Magnesium oxide or Magnesium hydroxide

Annexed Table No.3

1. Manufacture of Food
2. Manufacture of Soft Drinks and Carbonated Water
3. Manufacture of Alcoholic Beverages
4. Manufacture of Tea and Coffee
5. Manufacture of Balanced Compound Feeds or Elemental Feeds
6. Manufacture of Pulp
7. Manufacture of Resin (limited to the industries which are using pulp as its raw materials)
8. Fermentation Chemical Products
9. Manufacture of Gelatin

(Abolition of the Official Standard for the following fertilizers)

six-year-term of validity of registration

・Coated nitrogen fertilizer, Mixed nitrogen fertilizer, Coated phosphate fertilizer, Processed phosphate fertilizer, Mixed phosphate fertilizer, Coated potassium fertilizer, Byproduct potash fertilizer, Mixed organic fertilizer, Complex fertilizer, Molded compound fertilizer, Coated compound fertilizer, Mixed fertilizer、Mixed calcium fertilizer, Coated magnesium fertilizer, Mixed magnesium fertilizer, Mixed manganese fertilizer, Mixed microelement fertilizer

(※Change to the fertilizers of three or six-year-term of validity of registration)

・Byproduct potassium fertilizer, Byproduct manganese fertilizer (※Integrate into Byproduct fertilizer)

・Liquid microelement compound fertilizer (※Integrate into Liquid fertilizer)

・Byproduct vegetable fertilizer (※Integrate into Byproduct animal or vegetable fertilizer)

・Processed food residue fertilizer (any of the following fertilizers、Magnesium ammonium phosphate (※Change to the fertilizers of six-year-term of validity of registration)

three-year-term of validity of registration

・Coated nitrogen fertilizer, Mixed nitrogen fertilizer, Coated phosphate fertilizer, Processed phosphate fertilizer, Mixed phosphate fertilizer, Coated potassium fertilizer, Byproduct potash fertilizer, Mixed organic fertilizer, Complex fertilizer, Molded compound fertilizer, Coated compound fertilizer, Mixed fertilizer、Mixed calcium fertilizer, Coated magnesium fertilizer, Mixed magnesium fertilizer, Mixed manganese fertilizer, Mixed microelement fertilizer, Adsorbed compound fertilizer, Compound fertilizer for home garden, Mixed animal waste compound fertilizer, Mixed compost compound fertilizer

(※Change to the fertilizers of three or six-year-term of validity of registration)

・Byproduct nitrogen fertilizer, Byproduct phosphate fertilizer, Byproduct compound fertilizer, Byproduct magnesium fertilizer, Byproduct manganese fertilizer (※Integrate into Byproduct fertilizer)

・Byproduct liquid nitrogen fertilizer, liquid nitrogen fertilizer, Liquid phosphate fertilizer, Liquid compound fertilizer, Byproduct liquid manganese fertilizer (※Integrate into liquid fertilizer)

・Byproduct animal fertilizer (※Integrate into Byproduct animal or vegetable fertilizer)

- Fused sludge ash silicate phosphate fertilizer (※Integrate into Fused potassium silicate fertilizer)
- Mixed sludge compound fertilizer (※Integrate into Fused compound fertilizer)
- Sewerage sludge fertilizer, Excrement sewage sludge fertilizer, Industrial sewage sludge fertilizer, Mixed sewage sludge fertilizer, Ashes of burning of sludge fertilizers, Fermented sewage sludge fertilizer (※Integrate into Sludge fertilizer)