JAPAN

IMPORT PLANT QUARANTINE REGULATION

Agriculture and Forestry Ministerial Notification No. 206,
July 8, 1950

Last Amendment: MAFF Notification No. 1245, August 4, 1997(13th Amendment, Effective as from April 1, 1998)

(QUANTITY AND METHOD FOR INSPECTION)
Article 1. The inspection under Article 8 of the Plant Protection Law (hereinafter referred to as 'the Law') shall be conducted as per the quantities "specified in Annexed Table 1 for each kind of plants or import-prohibited articles.

2. Without the prejudice to the preceding paragraph, the inspection may be made on the quantity which is less than the specified quantity in Annexed Table 1, in case it falls under either of the following items.

(1) In case the plant to be imported is accompanied with a phytosanitary certificate of the Article 6, paragraph 1 of the Law or its copy which carries an endorsement written by the Plant Quarantine Official. to the effect that he has confirmed the inspection of the plant concerned which was conducted by the government agency of the exporting country..
(2) In case the Plant Quarantine Official deems that there should arise no hindrance from the viewpoint of quarantine control, such as the case where a special quarantine measure has been taken on the plant to be imported.

3. The inspection under Article 8 of the Law shall be subject to the following methods with respect to the plants such as sweet potato, potato, fruit trees, sugarcane, flower bulbs including gladiolus, narcissus, lily, tulip etc., milk vetch seed, rice, wheat, barley, other miscellaneous cereals, grain powder, rice bran, wheat bran, oil cake and copra.

(1) As to sweet potato, potato and fruit trees, those infested with quarantine pests are destroyed or disinfected, and then the rest shall be subjected to postentry inspection under isolated cultivation.
(2) As to sugarcane, those infested with quarantine pests are destroyed or disinlected, and then the rest shall be subjected to postentry inspection under isolated cultivation excluding those which are recognized as not intended for the purpose of cultivation.
(3) Corms of gladiolus shall be inspected after removing the hull and narcissus bulbs shall be inspected after applying hot water treatment. Isolated cultivation shall be further carried out to inspect those which are suspected of being infected with viruses.
(4) Bulbs of lily, tulip and other flower bulbs shall be, after the inspection, further subjected to isolated cultivation to inspect those which are suspected of being infected with viruses.
(5) Milk vetch seed shall be inspected by sorting with salt water at the specific gravity of 1.10.
(6) As to rice, wheat, barley, other miscellaneous cereals, grain powder, rice bran, wheat bran, oil cake and copra shall be inspected after a close preliminary inspection on board the carrier vessel before the unloading thereof.

(STANDARDS FOR INSPECTION CLEARANCE)
Article 2. The inspection under Article 8 of the Law shall be cleared in case the result of inspection falls under each of the following items.

(1) In case there is no infestation with quarantine pests.
(2) In case the subject articles are not the import-prohibited articles under Article 7, paragraph 1 of the Law.
(3) In case it is confirmed that the quarantine pest has been perished or eliminated by the disinfection (including such measures as fumigation, sorting, etc., hereinafter the same) carried out under the provision of Article 4, paragraph 2 or Article 9, paragraph 1 of the Law.

(STANDARDS FOR DISPOSITION BY DESTRUCTION, DISINFECTION ETC.)
Article 3. The disposition under Article 4, paragraph 2 or Article 9, paragraph 1 of the Law shall be conducted according to the following standards.

(1) Incineration (including such measures as boiling, submerging into the sea, burying into the ground, fumigation etc. which have the effect equivalent to incineration, hereinafter the same) of the entire lot of the consignment shall be taken in case there has been detected any quarantine pest specified in Annexed Table 2 of the Plant Protection Law Enforcement Regulations (Ministerial Ordinance No. 73, 1948; hereinafter referred to as 'the Regulations');
(2) In the case of the preceding item, disinfection or incineration of the entire or a part (only within the limit necessary for the quarantine control, hereinafter the same in this Article) of the consignment shall be taken, if the consignment concerned is only slightly infested with the quarantine pest in question or, otherwise, if the Plant Quarantine Official deems that there is no hindrance from the viewpoint of quarantine control;
(3) Incineration of the entire or a part of the lot shall be taken in case the consignment is contaminated with soil;
(4) In case the quarantine pest other than those specified in Item (1) is detected, measures listed in Annexed Table 2 shall be taken for each kind of the plant concerned;
(5) In the case of the preceding item, disinfection or incineration of the entire or a part of the infested consignment concerned shall be carried out, if the consignment is only slightly infested with the quarantine pest in question or, otherwise, if there should arise no hindrance from the viewpoint of quarantine control.

2. In case the quarantine pest has been discovered on cereals for food or oil materials and the plants concerned are immediately to be milled, polished or pressed for oil and, further, if the incineration of impurities and refuse or the fumigation of gunny bags or other packing materials thereof are to be conducted, the plant Quarantine Official may, without the prejudice to the provision of the preceding paragraph, pass the plants concerned.

3. In case the Plant Quarantine Official has received an application from the owner or the custodian of the plants or packing materials or containers thereof and if he deems it appropriate to do so from the viewpoint of supervision and control, he may, without the prejudice to the provision of paragraph 1, permit to reship the same or to use the same as materials for canning or bottling, etc.

(STANDARDS FOR DISINFECTION)
Article 4. The disinfection under Article 4, paragraph 2 or Article 9, paragraph 1 of the Law shall be conducted in accordance with the standards specified in Annexed Table 3. However, the Plant Quarantine Official may change the standards thereof, taking

into consideration the surrounding conditions, structure and building materials of the disinfection facilities, quantity of the plants to be disinfected or temperature for treatment.

2. The fumigation treatment under the provision of Article 9, paragraph 1 of the Law shall be carried out in the facility of the Plant Protection Station (including Naha Plant Protection Office) or in the warehouse which meets the structural standards specified in Annexed Table 4 or in the silo which meets the structural standards in Annexed Table 5 and which have been designated as such by the Plant Quarantine Official.

(COUNTRIES REQUIRING PHYTOSANITARY CERTIFICATE)

Article 5. The country with no governmental organization for plant quarantine as provided in Article 6 of the Law shall mean any country other than those enumerated as follows:

Iceland, lreland, Azerbaidjan, Afghanistan, United States of America, United Arab Emirates, Algeria, Argentina, Albania, Armenia, Angola, Antigua and Barbuda, Yemen, Israel, Italy, Iraq, Tran, India, Indonesia, Vanuatu, Viet Nam, Venezuela, Uganda, Ukraine, Uzbekistan, Uruguay, Ecuador, Egypt, Estonia, Ethiopia, E1 Salvador, Australia, Austria, Oman, Netherlands, Ghana, Cape Verde, Guyana, Kazakhstan, Qatar, Canada, Gabon, Cameroon, Gambia, Cambodia, North Korea, Northern Mariana Islands, Guinea, Guinea-Bissau, Cuba, Greece, Kiribati, Guatemala, Kuwait, Georgia, Grenada, Croatia, kenya, Costa Rica, Colombia, Congo, Cyprus, Zaire, Saudi Arabia, Zambia, Sierra Leone, Jamaica, Jordan, Syria, Singapore, Zimbabwe, Sudan, Switzerland, Sweden, Spain, Sri Lanka, Suriname, Slovak, Swaziland, Seychelles, Equatorial Guinea, Senegal, Saint Vincent, Saint Christopher Nevis, Saint Lucia, Republic of Cote d'Ivoire, Somalia, Solomon Islands, Thailand, Korea, Taiwan, Tanzania, Czech, Chad, Central Africa, People's Republic of China, Chile, Tunisia, Denmark, Germany, Togo, Commonwealth of Dominica, Dominican Republic, Trinidad and Tobago, Turkmenistan, Turkey, Tonga, Nigeria, Nicaragua, Niger, Western Samoa, New Caledonia, New Zealand, Nepal, Norway, Haiti, Pakistan, Panama, Bahamas, Bahrain, Bermuda, Papua New Guinea, Paraguay, Barbados, Hungary, Bangladesh, Fiji, Philippines, Finland, Bhutan, Puerto Rico, Brazil, France, French Polynesia, Bulgaria, Burkina Faso, Brunei, Burundi, American Samoa, Benin, Belize, Peru, Belgium, Poland, Botswana, Bolivia, Portugal, Hongkong, Honduras, the Former Yugoslav Republic of Macedonia, Madagascar, Malawi, Mali, Malta, Malaysia, Micronesia, Republic of South Africa, Myanmar, Mexico, Mauritius, Mauritania, Mozambique, Morocco, Mongolia, Yugoslavia, Laos, Latvia, Lithuania, Liechtenstein, Libyan Arab, Liberia, Romania, Luxembourg, Rwanda, Lesotho, Lebanon, United Kingdom, Russian Federation, Wallis and Futuna Islands

(PLANTS NOT SUBJECT TO QUARANTINE)

Article 6. The articles listed in each of the following items shall not fall under the plants specified in Article 2, paragraph 1 of the Law:

(1) Processed goods such as lumber, antiseptic logs, wood work, bamboo work and furniture, etc.

(2) Rattan and cork.

(3) Fibrous goods such as gunny bag, cotton, cotton cloth, loofah products, paper, string, rope, etc. and coarse fiber (including law cotton not ever used as packing materials for any plant or plant products.

(4) Processed tea leaves, dried hop flowers and dried bamboo shoot.

(5) Fermented vanilla beans.

(6) Plants immersed in sulfurous acid, alcohol, acetic acid, sugar, salt, etc.;

(7) Dried fruit of common apricot, fig, persimmon, Kiwi fruit, Plum, pear, jujube, date palm, pineapple, banana, papaya, grape, mango, peach and longan.

(8) Desiccated endocarp of coconut.
(9) Dried spices packed in sealed containers for retail.

(SCOPE OF INJURIOUS PLANTS)
Article 7. The article listed in each of the following items shall not fall under the injurious plants specified in Article 2, paragraph 2 of the Law:

(1) Fungus such as *Peziza*, etc., slime mold such as *Stemonitis*, etc. and bacterium such as Bacillus *phospoheus*, etc. which is not directly or indirectly injurious to economic plants.
(2) Dead injurious plants.
(3) Edible fungi such as matsutake mushroom, Jew's ear, common mushroom, etc., and fungi used for brewing.
(4) Useful fungi used for the production of medicines such as penicillin, streptomycin, etc., and medicinal lichens.

(SCOPE OF INJURIOUS ANIMALS)
Article 8. The article listed in each of the following items shall not fall under the injurious animals specified in Article 2, paragraph 3 of the Law:

(1) Silverfish, centipede, leech, etc, which is not directly injurious to economic plants.
(2) Dead injurious animals.
(3) Useful animals such as silkworm, guinea pig, etc.

(SCOPE OF IMPORT PROHIBITED PLANTS)
Article 9. The term 'soil' specified in Article 7, paragraph 1, Item (3) of the Law shall not include the following articles:
Potter's clay, phosphate ore, diatomaceous earth, bauxite and gravel sand without organic matter.

ANNEXED TABLE 1 THE QUANTITIES REQUIRED FOR INSPECTION (Re: Article 1)

Kinds of Plant		Lot Size	Quantities for Inspection
1. Plants of fruit trees and part of these such as cuttings, scions, root stocks, roots, stems, leaves etc. intended for planting	(1) Walnut, pear, grape, peach, apple, citrus etc.	-	All
	(2) Avocado, kiwi fruit, pineapple, feijoa, mango etc.	pieces less than 920 920 or more less than 1,841 1,841 or more less than 4,601 4,601 or more less than 9,201 9,201 or more	pieces 50% or more 460 or more 570 or more 750 or more 920 or more
2. Industrial plants and part of these intended for planting	Mulberry, sugarcane, tea etc.	pieces less than 920 920 or more less than 1,841 1,841 or more less than 4,601 4,601 or more less than 9,201 9,201 or more	pieces 50% or more 460 or more 570 or more 750 or more 920 or more
3. Trees, shrubs and part of these, other than those listed in 1 and 2 above, intended for planting	(1) Ginkgo, cryptmeria, cycad, camellia, pine, palm etc.	pieces less than 1,000 1,000 or more less than 1,841 1,841 or more less than 4,601 4,601 or more less than 9,201 9,201 or more less than 24,001 24,001 or more	pieces 30% or more 300 or more 400 or more 500 or more 600 or more 800 or more
	(2) Dracaena, sprouting palm, yucca etc.	pieces less than 1,000 1,000 or more less than 6,001 6,001 or more less than 9,201 9,201 or more	pieces 30% or more 300 or more 350 or more 400 or more
4. Live vines, stems and tuberous roots or tubers of sweet potato and potato (including those not intended for planting)			All

5. Bulbs, corms, tubers, rhizomes and part of these intended for planting	Amaryllis, gladiolus, crocus, narcissus dahlia, tulip, garlic, hyacinth, lily etc.	pieces less than 1,000 1,000 or more less than 4,001 4,001 or more less than 10,001 10,001 or more less than 20,001 20,001 or more less than 40,001 40,001 or more	pieces 30% or more 300 or more 450 or more 600 or more 750 or more 900 or more

6. Plants and part of these, other than those listed in 1-5 above, intended for planting	(1) Lotus, bladderwort etc.	pieces less than 1,000 1,000 or more less than 6,001 6,001 or more less than 9,201 9,201 or more	pieces 30% or more 300 or more 350 or more 400 or more
	(2) Plants other than those listed in (1) above	pieces less than 1,000 1,000 or more less than 1,841 1,841 or more less than 4,601 4,601 or more less than 9,201 9,201 or more less than 24,001 24,001 or more	pieces 30% or more 300 or more 400 or more 500 or more 600 or more 800 or more
7. Seeds intended for planting	(1) Rice, barley and wheat	kgs less than 10 10 or more less than 500 500 or more less than 1,500 1,500 or more less than 7,500 7,500 or more less than 20,000 20,000 or more	kgs 20% or more 2 or more 4 or more 6 or more 10 or more 14 or more
	(2) Plants other than those listed in (1) above	kgs less than 10 10 or more less than 500 500 or more less than 1,500 1,500 or more less than 7,500 7,500 or more less than 20,000 20,000 or more	kgs 10% or more 1 or more 2 or more 3 or more 5 or more 7 or more
8. Plants and part of these packed in special container, intended for planting	All kind of plants being cultured or tightly sealed in glass tube etc.	pieces less than 200 200 or more less than 1,001 1,001 or more	pieces 3% or more 6 or more 12 or more

9. Plants not intended for planting such as cut flower, cut branch etc. for ornamental use	(1) Cattleya, carnation, chrysanthemum, cotoneaster, fern, plants of the *genera Dendrobium*, rose, lilac etc.	pieces less than 1,500 1,500 or more less than 10,001 10,001 or more less than 30,001 30,001 or more less than 75,001 75,001 or more	pieces 20% or more 300 or more 350 or more 400 or more 450 or more
	(2) Heliconia, fir etc. of large size	pieces less than 375 375 or more less than 2,001 2,001 or more less than 7,501 75,001 or more	pieces 20% or more 75 or more 100 or more 150 or more
10. Fresh fruits and vegetables	(1) Orange, Chinese quince, grapefruit, pear, shaddock, ponkan mandarin, quince, apple, lemon etc.	kgs less than 200 200 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more less than 200,000 200,000 or more less than 360,000 360,000 or more	kgs 20%or more 40or more 60 or more 80 or more 130 or more 180 or more 220 or more 300 or more 370 or more 450 or more 500 or more
	(2) Apricot, fig, mume plum, kumquat, cherry, grape, peach, lime etc.	kgs less than 100 100 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000	kgs 20% or more 20 or more 30 or more 40 or more 60 or more 90 or more 110 or more 150 or more
		120,000 or more	180 or more

	(3) Kiwi fruit, cowberry, gooseberry, blueberry etc. and cut fruits	kgs less than 50 50 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	kgs 20% or more 10 or more 15 or more 20 or more 30 or more 40 or more 50 or more 60 or more
	(4) Coconut, durian, banana, pineapple etc.	kgs less than 100 100 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more less than 240,000 240,000 or more	kgs 20% or more 20 or more 30 or more 40 or more 60 or more 90 or more 110 or more 150 or more 180 or more 220 or more
	(5) Avocado, papaya, mango, longan, litchi etc.	kgs less than 75 75 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	kgs 20% or more 15 or more 20 or more 30 or more 40 or more 60 or more 70 or more 100 or more 120 or more
	(6) Pumpkin, watermelon, melon etc.	kgs less than 200 200 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000	kgs 20% or more 40 or more 60 or more 80 or more 130 or more

		10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	180 or more 220 or more 300 or more 370 or more
	(7) Endive, turnip, cabbage, cucumber, taro, ginger, celery, onion, tomato, eggplant, carrot, garlic, Chinese cabbage, lettuce etc.	kgs less than 100 100 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	kgs 20% or more 20 or more 30 or more 40 or more 60 or more 90 or more 110 or more 150 or more 180 or more
	(8) Chive, asparagus, arichoke, udo salad plant (*Aralia cordata*), cauliflower, broccoli, bamboo shoot, *Zingiber mioga*, scallion, leek etc.	kgs less than 75 750 or more less than 1,000 1,000 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	kgs 20% or more 15 or more 20 or more 30 or more 50 or more 70 or more 90 or more 130 or more 160 or more
	(9) Strawberry, pea, okra, red pepper, perilla, chicory, Brussels sprouts etc. and cut vegetables	kgs less than 75 75 or more less than 2,000 2,000 or more less than 5,000 5,000 or more less than 10,000 10,000 or more less than 20,000 20,000 or more less than 60,000 60,000 or more less than 120,000 120,000 or more	kgs 20% or more 15 or more 20 or more 30 or more 45 or more 55 or more 80 or more 100 or more

11. Cereal seeds not intended for planting (including primary processed grains such as cracked or crushed products etc.)	(1) Polished rice, malt etc.	kgs less than 120 120 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more less than 4,000,000 4,000,000 or more less than 10,000,000 10,000,000 or more	kgs 5% or more 6 or more 10 or more 15 or more 30 or more 45 or more 60 or more 80 or more
	(2) Rice (excluding polished rice), barley, wheat, maize etc.	kgs less than 60 60 or more less than 1,000 1,000 or more less than 4,000 4,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more less than 4,000,000 4,000,000 or more less than 10,000,000 10,000,000 or more less than 20,000,000 20,000,000 or more	kgs 10% or more 6 or more 8 or more 12 or more 20 or more 30 or more 60 or more 90 or more 120 or more 160 or more 200 or more
12. Pulse seeds not intended for planting (excluding soybean and including primary processed grain such as cracked or crushed products etc.)	Small red bean, kidney bean, pea, cowpea, broad bean, lima bean, groundnut, green gram etc.	kgs less than 60 60 or more less than 800 800 or more less than 2,000 2,000 or more less than 7,000 7,000 or more less than 20,000 20,000 or more less than 100,000 100,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more	kgs 10% or more 6 or more 9 or more 12 or more 18 or more 27 or more 45 or more 80 or more 20 or more
13. Oil seeds not intended for planting and plants for fertilizer and forage	(1) Rape, flax, sesame, copra, soybean, castor bean, sunflower etc.	kgs less than 60 60 or more less than 1,000 1,000 or more less than 2,000 4,000 or more less than 20,000 20,000 or more less than 70,000	kgs 10% or more 6 or more 8 or more 12 or more 20 or more

		70,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more less than 4,000,000 4,000,000 or more less than 10,000,000 10,000,000 or more less than 20,000,000 20,000,000 or more	30 or more 60 or more 80 or more 120 or more 160 or more 200 or more
	(2) Alfalfa hay cube, alfalfa pellet, rice bran, soybean cake, wheat bran etc.	kgs less than 60 60 or more less than 4,000 4,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more less than 4,000,000 4,000,000 or more less than 10,000,000 10,000,000 or more less than 20,000,000 20,000,000 or more	kgs 10% or more 6 or more 9 or more 15 or more 25 or more 45 or more 70 or more 90 or more 120 or more 150 or more
	(3) Alfalfa, timothy hay etc.	kgs less than 300 300 or more less than 3,000 3,000 or more less than 24,000 24,000 or more less than 200,000 200,000 or more	kgs 10% or more 30 or more 60 or more 120 or more 240 or more
14. Nuts not intended for planting	(1) Chestnut, walnut etc.	kgs less than 300 300 or more less than 800 800 or more less than 2,000 2,000 or more less than 7,000 7,000 or more less than 20,000 20,000 or more less than 100,000 100,000 or more less than 500,000 500,000 or more less than 2,000,000 2,000,000 or more	kgs 10% or more 30 or more 45 or more 60 or more 90 or more 150 or more 250 or more 400 or more 600 or more
	(2) Ginkgo, cashew nut, hazel nut, pecan, shelled chestnut, shelled walnut etc.	kgs less than 60 60 or more less than 1,000 1,000 or more less than 4,000	kgs 10% or more 6 or more 8 or more
		4,000 or more less than 20,000	12 or more

		20,000 or more less than 70,000 70,000 or more less than 300,000 300,000 or more	20 or more 30 or more 50 or more
15. Plant products for table luxuries, spices, medicines, dyes, etc. not intended for planting	Turmeric, gardenia, coffee bean, cacao bean, pepper, ginseng etc.	kgs less than 60 60 or more less than 1,000 1,000 or more less than 4,000 4,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 300,000 300,000 or more less than 900,000 900,000 or more	kgs 10% or more 6 or more 8 or more 12 or more 20 or more 30 or more 50 or more 70 or more
16. Dried plants (excluding hay)	(1) Dried fruit, dried vegetable, buckwheat husk, leaf tobacco, sphagnum moss, rice husk etc. and dried botanical specimens	kgs less than 5 5 or more less than 500 500 or more less than 4,000 4,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 160,000 160,000 or more	kgs 10% or more 0.5 or more 1 or more 2 or more 3 or more 5 or more 7 or more
	(2) Dried flower	kgs less than 20 20 or more less than 160 160 or more less than 1,000 1,000 or more less than 4,000 4,000 or more less than 20,000 20,000 or more	kgs 10% or more 2 or more 4 or more 8 or more 12 or more 20 or more
17. Straws	Straw of rice, wheat, barley etc. and rope, mat and other products made of straw	kgs less than 300 300 or more less than 3,000 3,000 or more less than 24,000 24,000 or more less than 200,000 200,000 or more	kgs 10% or more 30 or more 69 or more 120 or more 240 or more

18. Logs	(1) Logs originating in Asian tropical area, North America, Siberian area etc.	pieces less than 3,000 3,000 or more less than 8,001 8,001 or more less than 16,001 16,001 or more less than 30,001 30,001 or more	pieces 10% or more 300 or more 400 or more 500 or more 600 or more
	(2) Bamboos (*Phyllostachys bombusoides, P. reticulate, P. heterocycla, P. edulis etc.*)	kgs less than 200 200 or more less than 800 800 or more less than 2,000 2,000 or more less than 7,000 7,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 180,000 180,000 or more	kgs 10% or more 20 or more 30 or more 40 or more 60 or more 90 or more 120 or more 180 or more
19. Plants and their packing materials and containers other than those listed in 1-18 above	-	kgs less than 100 100 or more less than 800 800 or more less than 2,000 2,000 or more less than 7,000 7,000 or more less than 20,000 20,000 or more less than 70,000 70,000 or more less than 180,000 180,000 or more	kgs 10% or more 10 or more 15 or more 20 or more 30 or more 45 or more 60 or more 90 or more
20. Import-prohibited articles which are permitted entry	-	-	All
21. Of the plants listed in 1-20 above, those imported from the countries not having a government plant quarantine organization	-	-	More than two times of the minimum quantity required for each lot size listed in 1-20 above

ANNEXED TABLE2 THE STANDARDS FOR MEASURES SPECIFIED IN ARTICLE 3, PARAGRAPH 1, ITEM (4)

Kinds of plant		Quarantine pests	Measures
1.Plants of fruit trees and part of these such as cuttings, scions and root stocks, roots, stems, leaves etc. intended for planting	(1) Walnut, pear, grape, peach, apple, citrus etc.	Citrus blackfly, peach twig borer *Xylella fastidiosa, Deuterophoma tracheiphila,* plum pox virus	Incineration of the entire lot
		California dagger nematode	Incineration of the entire lot or underground portions of all plants
		Citrus red mite, *Otiorhynchus sigularis*, San Jose scale, grape phylloxera, apple aphid, summer fruit tortrix, pear borer *Elsinoe fawcettii, Agrobacterium tumefaciens,* citrus tristeza virus	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
	(2) Avocado, kiwi fruit, pineapple, feijoa, mango etc.	*Rosellinia bunodes*	Incineration of the entire lot
		Xiphinema brevicolle	Incineration of the entire lot or undergroundportions of all plants
		Oligonychus coffeae, brown olive scale, Orthaga exvinacea, castanopsis ambrosia beetle, *Abgrallapsis palmae, Diacrisia investigatorum* *Erythricium salmonicolor, Pseudomonassyringae pr. syringae, tomato spotted wilt virus*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants

2. Industrial crops and part of these intended for Planting	Mulberry, sugarcane, tea etc.	Lesser cornstalk borer Sugarcane Fiji disease virus	Incineration of entire lot
		Meloidogyne thamesi	Incineration of the entire lot or underground portions of all plants
		Myocalandra exarata, Zeuzera coffeae, tea tussock moth, brown soft scale, red wax scale *Helicobasidium mompa, Agrobacterium tumefaciens, sugarcane mosaic virus*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
3. Trees, shrubs and part of these other than those listed in 1 and 2 above, intended for planting	(1) Ginkgo, cryptomeria, cycad, camellia, pine, palm etc.	*Black vine weevilCeratocystis ulmi*	Incineration of the entire lot
		Northem root-knot nematode	Incineration of the entire lot or underground portions of all plants
		Mountain pine beetle, *Cinara strobi, Mindarus abietinus, Paraclemensia acerifoliella, gypsy* moth, *Matsucoccus resinosae,* large elm bark beetle *Helicobaidium mompa, Dasyscyphus abieticola, Lachnellula calyciformis*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
	(2) Dracaena, sprouting palm, yucca etc.	*Rosellinia bunodes*	Incineration of the entire lot
		Xyleborus ferrugineus, Euproctis subflava, Phassus malabaricus, Selenaspidus articulatus, Cerataphis lataniae *Sclerotium rolfsii, Agrobacterium tumefaciens*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment of incineration of the entire lot or a part of lot which is infected with quarantine injurious plants

4. Live vines, stems and tuberous roots or tubers of sweet potato and potato (including those not intended for planting)		White fringed beetle, *Fusarium oxysporum* f. sp. *tuberosi*.	Incineration of the entire lot
		Calocoris noruvegicus, Coreocoris fuscus,Dendrothripoides innoxius, potato tuberworm,*Dinurothrips hookeri,* sweet potato wireworm, *Phytophthora infestans, Streptomyces ipomoeae,Clavibacter michiganensis subsp, sepedonicus,* potato leafroll virus	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
5. Bulbs, corms, tubers, rhizomes and part of these intended for planting	Amaryllis, gladiolus, crocus, narcissus, dahlia, tulip, garlic, hyacinth, lily etc.	Black vine weevil *Drechslera iridis*	Incineration of the entire lot
		Dry bulb mite, *Eumerus amoenus,* gladiolus thrips, lesser bulb fly, *Syritta pipens*, narcissus bulb fly, onion maggot *Sclerotinia bulborum, Phytophthoraerytheroseptica, Xanthomonas campestris* pv. hyacinthi, tobacco rattle virus	Fumigation, heat treatment or incineration of the entire lot or a part of lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
		Gloeosporium dahliae, Colletotrichum dematium,Colletotrichum gloeosporioides, GloeosporiumSP.	Incineration of the entire lot or apart of lot which is infected with quarantine injurious plants
6. Plants and part of these, other than those listed in 1-5 above, intended for planting	(1) Lotus, bladderwort etc	*Pomacea canaliculata, Limnophilus orientalis, Paraponyx diminutalis* *Sclerotium hydrophilum*	Fumigation of incineration of the entire lot which is infested with quarantine injurious animals Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants

	(2) Plants other than those listed in (1) above	Giant African snail, tarnished plant bug Carnation tin, spot virus	Incineration of the entire lot
		two-spotted spider mite, corn earworm, *Atractomorpha lata, striped flea beetle,*	Fumigation of incineration of the entire lot which is infested with
		Abgrallaspis palmae, onion thrips, southern greenstink bug	quarantine injurious animals
		Sclerotinia sclerotiorum, Verticillium dahliae, Phytophtora nicotianae var. parasitica, Pseudomonas caryophylli, cymbidium mosaic virus	Chemical treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants
7. Seeds intended for planting	(1) Rice, barley and wheat	Tilletie indica	Incineration of the entire lot
		Anguina tritici, granary weevil, broad-nosedgrain weevil, Mediterranean flour moth	Fumigation, heat treatment or incineration of the entire lot which is infested with quarantine injurious animals
		Pyricularia oryzae, Ustilago nuda, Tilletiacaries, Tilletia foetida.	Chemical treatment or incineration of the entire lot or a part of lot hich is infected with quarantine injurious plants
		Claviceps purpurea	Heat treatment, smash treatment or incineration of the entire lot or a part of lot which is infected with quarantine injurious plants at the rate of 0.05 percent or more
	(2) Plants other than thoselisted in (1) above	*Diplodia maydis*, *Corynebacterium fascians*	Incineration of the entire lot
		Bentgrass nematode, *Callosobruchus phaseoli,Bruchophagus roddi, meal moth, granary weevil,Dasineura leguminicola, Hylemia anthracina,*groundnut beetle*, Limonius carifornicus*	Fumigation, heat treatment or incineration of the entire lot which is infested with quarantine injurious animals
		*Cercospora belicola, Xanthomonas campestris*pr. *campestris*, cucumber green mottlemosaic virus	Heat treatment, chemical treatment of incineration of the entire lot or a part of lot which is infected with quarantine injurious plants

		Cercsopora kikuchii	Heat treatment, chemical treatment or incineration of the entire lot or a part of lot Which is infected with quarantine injurious plants at the rate of 1 percent or more
8. Plants and part of these packed in the special containers, intended for planting	All kinds of plants being cultured or tightly sealed in a glass tube etc.		
9. Plants not intended for planting such as cut flower, cut branch etc. for ornamental use	(1) Cattleya, carnation, chrysanthemum, cotoneaster, fem, plants of the genera *Dendrobium*, rose and lilac etc. (2) Heliconia and fir etc. of large size	*Black vine weevil, tarnished plant bug Dibotryon morbosum*	Incineration of the entire lot
		Bradybaena similialis, two-spotted spider mite, *Autoplusia egena*, green flatid planthopper, chrysanthemum aphid, gladiorns thrips, swift moth, *Notocelia rosaecolana, Paraphytomyza Dianticola,* Phenacoccus gossypy, Macrosiphum*rosae, Hemiberlesia lataniae, Rhynchites bicolor*	Fumigation or incineration of theentire lot which is infested withquarantine injurious animals
		Pseudomonas gladioli pv. gladioli,Leptosphaeria coniothyrium, Fusariumoxysporum f sp. dianthi	Chemical treatment or incinerationof the entire lotor a part of lot which is infectedwith quarantineinjurious plants
10. Fresh fruits andvegetables	(1) Orange, Chinese quince, grapefruit, pear, shaddock, ponkan orange, quince, apple, lemon etc. (2) Apricot, fig, mume plum, kumquat, cherry, grape, peach, lime etc.	Caribbean fruit fly, plum curculio, Natal fruit fly,peach twig borer, European cherry fruit fly, applemaggot Citrus red mite, *Epidiaspis reperii, Grapholithapackardi,* navel orange worm*, Frankliniellavaccinii, citrus psylla, citrus mealybug,* citruswhitefly*, Aleurothrixus floccosus*	Incineration of the entire lot Fumigation or incineration of theentire lot which isinfested with quarantine injurious animals
		Guignardia citricarpa, Phytophthora syringae,Xanthomonas campestris pr. pruni, Pseudomonassyringae pv. syringae	Incineration of the entire lot or a part of lot which is infected with quarantine injurious plants

	(3) Kiwi fruit, cowberry, gooseberry, blueberry etc. and cut fruit	*Erwinia nigrilTuens*	
		Alternaria cirri, Botryosphaeria ab tusa Guignardia bidwellii, Botrytis cinerea	Incineration of a part of lot which is infected with quarantine injurious plants
	(4) Coconut, durian, banana, pineapple etc.	*Anastrepha obliqua, Bactrocera passifiorae,Bactrocerafrauenfeldi,* Mexican fruit fly	Incineration of the entire lot
	(5) Avocado, papaya,mango, longan, litchi etc.	Coconut scale, brown marmorated stink bug,*Pentalonia nigronervosa, Acrocercops cramerella, Dysmicoecus neobrevipes, Erionota torus* *Phylophthora cinnamomi, Pseudomonas syringae pr. Syringae*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animalsIncineration of the entire lot or a part of lot which is infected with quarantine injurious plants
		Lasiodiplodia theobromae, *Botrytis cinema*	Incineration of a part of lot which is infected with quarantine injurious plants
	(6) Pumpkin, watermelon,melon etc.	*Heterodera curciferae*, strawberry root weevil, large cabbage white, potato *leafhopper*, *Zonosemata electa, Bactrocera cucumis*	Incineration of the entire tot
	(7) Endive, turnip, cabbage, cucumber, taro, ginger, celery, onion, tomato, egg- plant, carrot, garlic, Chinese cabbage, lettuce etc.	*Acusta despecia sieboldiana*, tawny garden slug, *Tetranychus pacificus*, greenhouse whitefly, oriental tobacco budworm, onion maggot, onion bulb fly, *Frankliniella schultzei*, southern green stink bug, green peach aphid, vegetable weevil, pea leaf miner	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals
	(8) Chive, asparagus, artichoke, udo salad plant (*Aralia cordata*), cauliflowoer	*Fusarium oxysporum* f. sp. *raphani, Alternaria brassicae, Alternaria brassicicola, Alternaria japonica, Pythum oligandrum, Clavibacter michiganensis subsp, michiganensis*	Incineration of entire lot or a part of lot which is infected with quarantine injurious plants
	broccoli, bamboo shoot,*Zingiber mioga*, scallion,leek etc.	Lonchaea lucidiventris, Atherigona orientalis BotrFtis cinerea	Fumigation of the entire lot or incineration of a part of lot which is infested with quarantine injurious animals

	(9) Strawberry, pea, okra,		

	red pepper, perilla, chicory, brussels sprouts etc. and cut vegetables.		Incineration of a part of lot which is infected with quarantine injurious plants
11. Cereal seeds not intended for planting (including primary processed grains such as cracked or crushed products etc.)	(1) Polished rice, malt etc.(2) Rice (excluding polished rice), barley, wheat, maize etc.	*Theba pisana*, granary weevil, broad-nosed grain weevil, slender-horned flour beetle, Mediterranean flour moth, confused flour beetle, khapra beetle, *Pharaxonotha kirschi*	Fumigation, heat treatment or incineration of the entire lot which is infested with quarantine injurious animals
12. Pulse seeds not intended for planting (excluding soybean and including primary processed bean such as cracked or crushed etc.)	Small red bean, kidney bean, pea, cowpea, broad bean, lima bean, groundnut, green gram etc.	Bean seed beetle, Indian meal moth, dolichos seed beetle, Mexican bean seed beetle, groundnut beetle	Fumigation, heat treatment or incineration of the entire lot which is infested with quarantine injurious animals
13. Oil seeds not intended for planting and plants for fertilizer or forage.	(1) Rape, flax. sesame, copra, soybean, castor bean, sufflower etc.	Larger grain borer, granary weevil, Indian meal moth, khapra beetle, *Ptinus fur*, coffee bean weevil	Fumigation, heat treatment or incineration of the entire lot which is infested with quarantine injurious animals
	(2) Alfalfa hay cube, alfalfa pellet, rice bran, soybean cake, wheat bran etc.	Australian spider beetle, dried currant moth, khapra beetle	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals
	(3) Alfalfa hay, timothy hay etc.	Chinch bug, tarnished plant bug	Incineration of entire lot
		Theba pisana, *alfalfa weevil, rice water weevil,Hypsopygia costalis*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals
14. Nuts not intended for planting.	(1) Chestnut, walnut etc. (2) Ginkgo, cashew nut, hazel nut, pecan nut, shelled chestnut, shelled walnut etc.	*Cydia caryana*, nut fruit moth, *Curculio davidi*, navel orange worm, *Rhagoletis compleia* Meal moth, broad-nosed grain weevil, slender-horned flour beetle, *Cryplolestes capensis*, coffee bean weevil	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Fumigation or incineration of the entire lot which is infested with quarantine injurious animals

15. Plant products for table luxuries, spices, medicines, dyes, etc. not intended for planting	Turmeric, gardenia, coffee bean, cacao bean, pepper, ginseng etc.	*Cryptolestes ugandae, meal moth, Hypothenemus hamperi*, broad-nosed grain weevil, *Stephanoderes cofeae, Setomorpha rutella*, khapra beetle	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals

16. Dried Plants (excluding hay)	(1) Dried fruit and vegetable, buckwheat husk, leaf tobacco, sphagnum moss, rice husk etc. and dried botanical specimens (2) Dried flower	*Australian spider beetle, tobacco moth, Tricorynus tabaci, Tribolium destructor*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals
17. Straws	Straw of rice, wheat, barley etc. and rope, mat and other products made of straw	Senn pest	Incineration of the entire lot
		Rice leafroller, Asiatic rice borer, timothy plant bug	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals Incineration of entire lot or a part of lot which is infected with quarantine injurious plants
		pyricularia oryzae, Puccinia graminis subsp.graminis, Cephalosporium gram ineum.	
18. Logs	(1) Logs originating in Asian tropical area, North America, Siberian area etc.	Mountain pine beetle, *Xeris spectrum, Xylothrips flavipes, Niphades paradalotus*, cryptomeria bark borer, *Dendroctonus pseudotsugae,* Oriental carpenter moth, large elm beetle	Fumigation, heat treatment, submerging treatment, chemical treatment or incineration of the entire lot or a part of lot which is infested with quarantine injurious animals
	(2) Bamboos *(Phyllostachys bombusoides, P. recticulala, P. heterocycla, P. edulis etc.)*	Bamboo longicorn beetle, *Dinoderus brevis*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals
19. Plants and their packing materials and containers other than those listed in 1-18 above		Dry wooden longicorn beetle, dried currant moth, khapra beetle, *Heterobostrychus aequalis*	Fumigation or incineration of the entire lot which is infested with quarantine injurious animals

20. Import- prohibited articles which are permitted entry		Quarantine pests excluding those permitted entry	Fumigation, heat treatment or incineration of the entire lot or a part of lot which is infested or infected with quarantine pests

Note: plants or quarantine pests listed in each column of this Table are representative examples. The standard measures shall be applicable to other correspondent plants or quarantine pests not specifically listed here.

ANNEXED TABLE 3 STANDARDS FOR DISINFECTION METHOD
(Re: Article 4)

Method	Kind of quarantine pests	Standard for disinfection measures			Remark
		Dosage or concentration	Duration of exposure	Temperature	
1. Chemical dipping	Ectoparasitic quarantine injurious plants on arboreal plants, herbaceous plants, cuttings, scions, rootstocks etc.	Thiophanate methyl wettable powder 0.2% solution	10 min.	Normal temperature	
	Ectoparasitic quarantine injurious plants on various seeds	Thirum benomyl wettable powder 5% solution	10-20 min.	Normal temperature	
	Ectoparasitic quarantine injurious plants on sweet potato, potato, flower bulb etc.	Thirum benomyl wettable powder 5% solution Copper wettable powder 1-2% solution	10-20 min. 20 min.	Normal temperature	
2. Chemical dressing	Ectoparasitic quarantine injurious plants on various seeds	Thirum wettable powder 2-5 kg/1kg of seed	Keep standing after dressing	Normal temperature	
3. Dry heat treatment	Various quarantine injurious plants and wheat seed nematode on rice, wheat, other cereals, etc.		1 hour 3 hours	100 or above 90 or above	
4. Hot water dipping	Various quarantine injurious plants and wheat seed nematode on rice, wheat, other cereals, etc.		30-45 min. 30 min.	45 60	Water temperature shall be kept precisely. Drying required after treatment.
	Bulb fly and thrips on flower bulbs		90-120min.	44	
5. Salt water sorting	Sclerotia in milk vetch seed	Salt water of 1.10 in specific gravity			Floated sclerotia and ergots shall be removed for incinerati on.
	Ergots in grains of wheat and barley	Salt water of 1.10 in specific gravity			

6. Ware-house fumigation with hydrogen cyanide	Quarantine injurious animals such as scales, aphids, thrips, white flies etc. on arboreal plants, herbaceous plants for planting and portions thereof, or the surface of fruits	Sodium cyanide/chamber space: 10.8 g/m^3 5.4g/m	30 min. 30 min.	10-20 20 or above	Care should be taken to avoid phytotoxi city in case of sweaty surface or plants with leaves.
	Scales infesting the surface of fruit	Hydrogen cyanide (liquefied)/chamber space: 1.8g/m^3	30 min.	10-20	
7. Tent fumigation with hydrogen cyanide	Scales infesting citrus and other fruit trees.	Hydrogen cyanide (liquefied)/tent space: 1.8 g/m^3 4.5 g/m^3 Sodium cyanide/ tent space: 5.4 g/m^3 10.8 g/m^3	15 min. 20-30 min. 15 min. 20-30 min.	20 or above 10 or below 20 or above 10 or below	Exposure time depends on temperature.
8. Ware-house fumigation with methyl bromide	Quarantine injurious animals such as chestnut curculio, oriental fruit moth" etc. which bore into seed or fruit	Methyl bromide/ chamber space: 48.5 g/m^3 40.5 g/m^3 32.5 g/m^3 24.5 g/m^3 16.0 g/m^3	 2 hours 2 hours 2 hours 2 hours 2 hours	 5 or above 10 or above 15 or above 20 or above 25 or above	Uniform distribution of dosed gas shall be ensured.
	Quarantine injurious animals on plants for propagation and portions thereof.	Methyl bromide/ chamber space: 48.5 g/m^3 32.5 g/m^3	 2 hours 2 hours	 15 20	
	Quarantine injurious animals (excluding wheat seed nematode) on rice, wheat, pea, copra, cacao bean, coffee bean, pepper, etc. in bags (excluding those in the state of powder or dregs)	Methyl bromide/ chamber space: 26 g/m^3 21 g/m^3 15 g/m^3	 48 hours 48 hours 48 hours	 15 or below 10-20 20 or above	Gas shall be introduced from upper portion of warehouse.
	Quarantine injurious animals (excluding wheat seed nematode) on maize, millet, sorghum etc. in bags (excluding those in the state of powder or dregs)	Methyl bromide/ chamber space: 34 g/m^3 27 g/m^3 21 g/m^3	 48 hours 48 hours 48 hours	 15 or below 10-20 20 or above	

	Quarantine injurious animals (excluding wheat seed nematode) on soybean, kidney bean, groundnut etc. in bags (excluding those in the state of powder or dregs)	Methyl bromide/ chamber space: 42 g/m^3 35 g/m^3 26 g/m^3	48 hours 48 hours 48 hours	15 or below 10-20 20 or above	
	Quarantine injurious animals (excluding wheat seed nematode) on buckwheat, castor bean, safflower seed; and powder and dust of rice, maize, soybean etc. in bags	Methyl bromide/ chamber space: 51 g/m^3 41 g/m^3 30 g/m^3	48 hours 48 hours 48 hours	15 or below 10-20 20 or above	
	Quarantine injurious animals such as bark beetles etc on timber	Methyl bromide/ chamber space: 48.5 g/m^3 32.5 g/rn^3	24 hours 24 hours	15 or below 15 or above	
9. Silo fumigation with methyl bromide	Quarantine injurious animals (excluding wheat seed nematode) on rice, wheat etc. in bulk (excluding those in the state of powder or dregs)	Methyl bromide/ chamber space: 33 g/m^3 28 g/m^3 21 g/m^3	48 hours 48 hours 48 hours	10 or below 10-20 20 or above	Gas circulation shall be kept for certain time to ensure penetration into bulk layer.
	Quarantine injurious animals (excluding wheat seed nematode) on maize, millet, sorghum, etc. m bulk (excluding those in the state of powder or dregs)	Methyl bromide/ chamber space: 45 g/m^3 37 g/m^3 28 g/m^3	48 hours 48 hours 48 hours	10 or below 10-20 20 or above	
	Quarantine injurious animals (excluding wheat seed nematode) on soybean, kidney bean, groundnut, etc. in bulk (excluding those in the state of powder or dregs)	Methyl bromide/chamber space: 49 g/m^3 40 g/m^3 29 g/m^3	48 hours 48 hours 48 hours	10 or below 10-20 20 or above	
10. Ware house fumigation with aluminum phosphide	Quarantine injurious animals (excluding granary weevil, khapra beetle and wheat seed nematode) on rice, wheat, maize, soybean, copra, etc. in bags (including primary processed products such as bran, rice bran, etc.)	Aluminum phosphide/chamber space: 0.75 g/m^3 (as evolved hydrogen phosphide)	7 days 6 days 5 days	5-10 10-20 20 or above	Not to be used below 5

11. Silo fumigation with aluminum phosphide	Quarantine injurious animals (excluding granary weevil, khapra beetle and wheat seed nematode) on rice, wheat, maize, soybean, etc. in bulk (including primary processed products such as bran, rice bran, etc.)	Aluminum phosphide/chamber space: 2.0 g/m^3 (as evolved hydrogen phosphide)	7 days 6 days 5 days	5-10 10-20 20 or above	Not to be used below 5
12. Ware-house fumigation with carbon dioxide	Quarantine injurious animals (excluding granary weevil, khapra beetle and wheat seed nematode) on rice, wheat, maize, millet, sorghum, etc. in bags (excluding those in the sate of powder or dregs)	Concentration in warehouse: 40-50%	21 days 14 days 10 days	20-25 25-30 30 or above	Gas distribution shall be ensured in warehouse. Superior class warehouse listed in Annexed Table 4 shall be used.
		Concentration in warehouse: 50% or above	14 days 10 days	20-25 25 or above	
13. Silo fumigation with carbon dioxide	Quarantine injurious animals (excluding granary weevil, khapra beetle and wheat seed nematode) on rice, wheat, maize, millet, sorghum, etc. in bulk (excluding those in the sate of powder or dregs)	Concentration in warehouse: 40-50%	21 days 14 days 10 days	20-25 25-30 30 or above	Gas circulation shall be kept for certain time to ensure penetration into bulk layer. Superior class silo listed m Annexed Table 5 shall be used.
		Concentration in warehouse: 50%or above	14 days 10 days	20-25 25 or above	
14. Warehouse fumigation with mixture gas of methyl bromide, hydrogen phosphide and carbon dioxide	Quarantine injurious animals on cut flower	Mixture gas: Methyl bromide 14g/m^3, Hydrogen phosphide 3g/m^3, Carbon dioxide 5%	4 hours	15	Carbon dioxide shall be dosed first, followed by mixture of methyl bromide and hydrogen phosphide. Gas uniformity in chamber shall be ensured. Superior class warehouse listed in Annexed Table 4 shall be used.
15. Hot water treatment	Quarantine injurious animals such as bark beetles etc. which bore into timber	Hot water bath temperature: 80 or above	12 hours		Uniform temperature of hot water shall be ensured.

16. Immer-sion in water	Quarantine injurious animals such as bark beetles etc. which bore into timber		30 days or above	Normal temperature	Timber shall be completely immersed in fresh or sea water.
17. Spraying with oil containing fenitro-thyon or malathion	Quarantine injurious animals such as bark beetles etc. which infest timber	Mixture of 2.0% fenitrothion or malathion in kerosene sprayed at 300 cm^3 or more/1 m^2 of the timbersurface		Normal temperature	

Remark: The standards for warehouse fumigation in this table (excluding Item 12-14 above) are established on the basis of class B warehouse specified in Annexed Table 4 and those for silo fumigation on the basis of class B silo specified in Annexed Table 5.

ANNEXED TABLE 4 STANDARDS FOR FUMIGATION CHAMBER
(Re: Article 4)

Classification	Superior	A	B	C
Gas holding performance (Residual rate (%) of methyl bromide gas after fumigation for 48 hours at the dose of 10 g/m3 in empty chamber	85% or above	70% or above	55% or above	40% or above
Roofing and ceiling	Materials and structure shall fall under one of the following items. (1) Plywood board 3 mm or above in thickness (2) Coated board with 10kg/21 m2 or more of asphalt footing and sealed airtight with phenolic resin. (3) Coated board with mortar or plaster 2 cm or more in thickness and completely sealed airtight with phenol resin, craft paper, etc. (4) Coated board sealed with clay or laid with earth of 6 cm or more in thickness and completely sealed airtight with phenolic resin, craft paper, etc. (5) Other makes which are deemed to possess the airtightness and durability equivalent to any one of the preceding items.			
Walls arid partitions	Materials and structure shall fall under one of the following items. (1) Reinforced concrete of 9 cm or more in thickness. (2) Slate, brick or concrete block of 15 cm or more in thickness. (3) Steel board coated with zinc layer of 0.27 mm or more in thickness. (4) Plywood board 3 mm more in thickness. (5) Mortar coated board of 3 cm or more in thickness. (6) Clay or mortar frame of 12 cm or more in thickness. (7) Other makes which are deemed to possess the airtightness and durability equivalent to any one of the preceding items.			
Flooring	Reinforced concrete of 12 cm in thickness or other materials which are deemed to possess equivalent airtightness and durability.			
Joint portions of roof, ceiling, wall, partition wall and floor	Materials and structure shall fall under one of the following items. (1) Covered with concrete or mortar. (2) Coated with plaster, phenolic resin, etc. (3) Other makes which are deemed to possess the airtightness and durability equivalent to any one of the preceding items.			
Door, window, ventilation opening and other openings	Airtightness shall be secured by completely closing with steel, zinc coated steel, wooden board door, etc. Openings for fumigant sampling and fumigant introduction shall be installed.			
Lock and screen door	Lock and screen mesh shall be provided to door or side door.			

ANNEXED TABLE 5 STANDARDS FOR SILO (Re: Article 4)

Classification	Superior	A	B	C
Gas holding performance (Residual rate (%) of methyl bromide gas after fumigation for 48 hours at the dose of l0 g/m3 in empty, silo	85% or above	70% or above	55% or above	40% or above
Construction	Reinforced concrete or steel			
Circulation system	Silo shall be provided with circulation system by which uniform gas distribution can be attained within 2 hours after dosing.			