

WORLD TRADE
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Committee on Sanitary and Phytosanitary Measures

Original: English

COMPLETE LIST OF CODEX STANDARDS,
CODES OF PRACTICE, GUIDELINES AND RELATED TEXTS

The Secretariat of the Codex Alimentarius Commission (Codex) has provided the following information.

Standard or Other Text	Reference	Rev.	Year	Type
Labelling of Prepackaged Foods	CX-STAN 001	Rev. 1	1991	Standard
Canned Pacific Salmon	CX-STAN 003	Rev. 2	1995	Standard
White Sugar	CX-STAN 004		1981	Standard
Powdered Sugar (Icing Sugar)	CX-STAN 005		1981	Standard
Soft Sugars	CX-STAN 006		1981	Standard
Dextrose, Anhydrous	CX-STAN 007		1981	Standard
Dextrose, Monohydrate	CX-STAN 008		1981	Standard
Glucose Syrup	CX-STAN 009		1981	Standard
Dried Glucose Syrup	CX-STAN 010		1981	Standard
Lactose	CX-STAN 011		1981	Standard
Honey	CX-STAN 012	Rev. 1	1987	Standard
Canned Tomatoes	CX-STAN 013		1981	Standard
Canned Peaches	CX-STAN 014		1981	Standard
Canned Grapefruit	CX-STAN 015		1981	Standard
Canned Green Beans & Canned Wax Beans	CX-STAN 016		1981	Standard
Canned Applesauce	CX-STAN 017		1981	Standard
Canned Sweet Corn	CX-STAN 018		1981	Standard
General Standard for Fats & Oils	CX-STAN 019	Rev. 1	1989	Standard
Edible Soya Bean Oil	CX-STAN 020	Rev. 1	1989	Standard
Edible Arachis Oil	CX-STAN 021	Rev. 1	1989	Standard
Edible Cottonseed Oil	CX-STAN 022	Rev. 1	1989	Standard
Edible Sunflowerseed Oil	CX-STAN 023	Rev. 1	1989	Standard
Edible Rapeseed Oil	CX-STAN 024	Rev. 1	1989	Standard
Edible Maize Oil	CX-STAN 025	Rev. 1	1989	Standard
Edible Sesameseed Oil	CX-STAN 026	Rev. 1	1989	Standard
Edible Safflowerseed Oil	CX-STAN 027	Rev. 1	1989	Standard
Lard	CX-STAN 028	Rev. 1	1989	Standard
Rendered Pork Fat	CX-STAN 029	Rev. 1	1989	Standard
Premier Jus	CX-STAN 030	Rev. 1	1989	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Edible Tallow	CX-STAN 031	Rev.1	1989	Standard
Margarine	CX-STAN 032	Rev.1	1989	Standard
Olive Oil	CX-STAN 033	Rev.1	1989	Standard
Mustardseed Oil	CX-STAN 034	Rev.1	1989	Standard
Quick-Frozen Finfish, Eviscerated and Uneviscerated	CX-STAN 036	Rev.1	1995	Standard
Canned Shrimps or Prawns	CX-STAN 037	Rev.1	1995	Standard
Edible Fungi & Fungus Products	CX-STAN 038		1981	Standard
Dried Edible Fungi	CX-STAN 039		1981	Standard
Fresh Fungus "Chanterelle"	CX-STAN 040		1981	Standard
Quick Frozen Peas	CX-STAN 041		1981	Standard
Canned Pineapple	CX-STAN 042	Rev.1	1987	Standard
Apricot, Peach & Pear Nectars	CX-STAN 044		1981	Standard
Orange Juice	CX-STAN 045		1981	Standard
Grapefruit Juice	CX-STAN 046		1981	Standard
Lemon Juice	CX-STAN 047		1981	Standard
Apple Juice	CX-STAN 048		1981	Standard
Tomato Juice	CX-STAN 049		1981	Standard
Quick Frozen Strawberries	CX-STAN 052		1981	Standard
Foods with Low-Sodium Content	CX-STAN 053		1981	Standard
Powdered Dextrose (Icing Dextrose)	CX-STAN 054		1981	Standard
Canned Mushrooms	CX-STAN 055		1981	Standard
Canned Asparagus	CX-STAN 056		1981	Standard
Processed Tomato Concentrates	CX-STAN 057		1981	Standard
Canned Green Peas	CX-STAN 058		1981	Standard
Canned Plums	CX-STAN 059		1981	Standard
Canned Raspberries	CX-STAN 060		1981	Standard
Canned Pears	CX-STAN 061		1981	Standard
Canned Strawberries	CX-STAN 062		1981	Standard
Concentrated Apple Juice	CX-STAN 063		1981	Standard
Concentrated Orange Juice	CX-STAN 064		1981	Standard
Table Olives	CX-STAN 066	Rev.1	1987	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Raisins	CX-STAN 067		1981	Standard
Canned Mandarin Oranges	CX-STAN 068		1981	Standard
Quick Frozen Raspberries	CX-STAN 069		1981	Standard
Canned Tuna & Bonito	CX-STAN 070	Rev.1	1995	Standard
Infant Formula	CX-STAN 072	Amd.	1997	Standard
Canned Baby Foods	CX-STAN 073		1981	Standard
Processed Cereal-Based Foods for Infants & Children	CX-STAN 074	Amd.	1991	Standard
Quick Frozen Peaches	CX-STAN 075		1981	Standard
Quick Frozen Bilberries	CX-STAN 076		1981	Standard
Quick Frozen Spinach	CX-STAN 077		1981	Standard
Canned Fruit Cocktail	CX-STAN 078		1981	Standard
Jams (Fruit Preserves) & Jellies	CX-STAN 079		1981	Standard
Citrus Marmalade	CX-STAN 080		1981	Standard
Canned Mature Processed Peas	CX-STAN 081		1981	Standard
Grape Juice	CX-STAN 082		1981	Standard
Concentrated Grape Juice	CX-STAN 083		1981	Standard
Sw. Conc. Labrusca Type Grape Juice	CX-STAN 084		1981	Standard
Pineapple Juice	CX-STAN 085		1981	Standard
Cocoa Butters	CX-STAN 086		1981	Standard
Chocolate	CX-STAN 087		1981	Standard
Canned Corned Beef	CX-STAN 088	Rev.1	1991	Standard
Luncheon Meat	CX-STAN 089	Rev.1	1991	Standard
Canned Crab Meat	CX-STAN 090	Rev.1	1995	Standard
Quick Frozen Shrimps or Prawns	CX-STAN 092	Rev.1	1995	Standard
Canned Sardines & Sardine-Type Products	CX-STAN 094	Rev.1	1995	Standard
Quick Frozen Lobsters	CX-STAN 095	Rev.1	1995	Standard
Cooked Cured Ham	CX-STAN 096	Rev.1	1991	Standard
Cooked Cured Pork Shoulder	CX-STAN 097	Rev.1	1991	Standard
Cooked Cured Chopped Meat	CX-STAN 098	Rev.1	1991	Standard
Canned Tropical Fruit Salad	CX-STAN 099		1981	Standard
Non-Pulpy Blackcurrant Nectar	CX-STAN 101		1981	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Fructose	CX-STAN 102		1981	Standard
Quick Frozen Blueberries	CX-STAN 103		1981	Standard
Quick Frozen Leek	CX-STAN 104		1981	Standard
Cocoa Powders (Cocoa) & Dry Cocoa Sugar Mixtures	CX-STAN 105		1981	Standard
Irradiated Foods	CX-STAN 106		1983	Standard
Labelling of Food Additives	CX-STAN 107		1981	Standard
Natural Mineral Waters	CX-STAN 108	Rev.2	1997	Standard
Quick Frozen Broccoli	CX-STAN 110		1981	Standard
Quick Frozen Cauliflower	CX-STAN 111		1981	Standard
Quick Frozen Brussels Sprouts	CX-STAN 112		1981	Standard
Quick Frozen Green & Wax Beans	CX-STAN 113		1981	Standard
Quick Frozen French-Fried Potatoes	CX-STAN 114		1981	Standard
Pickled Cucumbers (Cucumber Pickles)	CX-STAN 115		1981	Standard
Canned Carrots	CX-STAN 116		1981	Standard
Bouillons & Consommés	CX-STAN 117	Rev.1	1995	Standard
Gluten-Free Foods	CX-STAN 118		1981	Standard
Canned Finfish	CX-STAN 119	Rev.1	1995	Standard
Blackcurrant Juice	CX-STAN 120		1981	Standard
Conc. Blackcurrant Juice	CX-STAN 121		1981	Standard
Pulpy Nectars of Certain Small Fruits	CX-STAN 122		1981	Standard
Edible Low Erucic Acid Rapeseed Oil	CX-STAN 123	Rev.1	1989	Standard
Edible Coconut Oil	CX-STAN 124	Rev.1	1989	Standard
Edible Palm Oil	CX-STAN 125	Rev.1	1989	Standard
Edible Palm Kernel Oil	CX-STAN 126	Rev.1	1989	Standard
Edible Grapeseed Oil	CX-STAN 127	Rev.1	1989	Standard
Edible Babassu Oil	CX-STAN 128	Rev.1	1989	Standard
Canned Apricots	CX-STAN 129		1981	Standard
Dried Apricots	CX-STAN 130		1981	Standard
Unshelled Pistachio Nuts	CX-STAN 131		1981	Standard
Quick Frozen Whole Kernel Corn	CX-STAN 132		1981	Standard
Quick Frozen Corn-on-the-Cob	CX-STAN 133		1981	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Nectars of Certain Citrus Fruits	CX-STAN 134	Rev.1	1989	Standard
Minarine	CX-STAN 135		1981	Standard
Conc. Pineapple Juice	CX-STAN 138		1983	Standard
Conc. Pineapple Juice with Preservatives for Manufacturing	CX-STAN 139		1983	Standard
Quick Frozen Carrots	CX-STAN 140		1983	Standard
Cocoa Nib, Mass, Press Cake, Dust	CX-STAN 141		1983	Standard
Composite & Filled Chocolate	CX-STAN 142		1983	Standard
Dates	CX-STAN 143		1985	Standard
Canned Palmito	CX-STAN 144		1985	Standard
Canned Chestnuts & Chestnut Purée	CX-STAN 145		1985	Standard
Labelling of and Claims for Prepackaged Foods for Special Dietary Uses	CX-STAN 146		1985	Standard
Cocoa Butter Confectionery	CX-STAN 147		1985	Standard
Guava Nectar	CX-STAN 148		1985	Standard
Liquid Pulpy Mango products	CX-STAN 149		1985	Standard
Food Grade Salt	CX-STAN 150	Rev.1	1997	Standard
Gari	CX-STAN 151	Rev.1	1995	Standard
Wheat Flour	CX-STAN 152	Rev.1	1995	Standard
Maize (Corn)	CX-STAN 153	Rev.1	1995	Standard
Whole Maize (Corn) Meal	CX-STAN 154	Rev.1	1995	Standard
Degermed Maize (Corn) Meal & Maize (Corn) Grits	CX-STAN 155	Rev.1	1995	Standard
Follow-Up Formula	CX-STAN 156		1987	Standard
Canned Mangoes	CX-STAN 159		1987	Standard
Mango Chutney	CX-STAN 160		1987	Standard
General Standard for Fruit Nectars	CX-STAN 161		1989	Standard
Vinegar	CX-STAN 162		1987	Standard
Wheat Gluten	CX-STAN 163		1987	Standard
General Standard for Fruit Juices	CX-STAN 164		1989	Standard
Quick Frozen Blocks of Fish Fillet, etc.	CX-STAN 165	Rev.1	1995	Standard
Quick Frozen Fish Sticks (Fish Fingers), etc.	CX-STAN 166	Rev.1	1995	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Salted Fish and Dried Salted Fish of the Gadidae Family	CX-STAN 167	Rev.1	1995	Standard
Mayonnaise	CX-STAN 168		1987	Standard
Whole and Decorticated Pearl Millet Grains	CX-STAN 169	Rev.1	1995	Standard
Pearl Millet Flour	CX-STAN 170	Rev.1	1995	Standard
Certain Pulses	CX-STAN 171	Rev.1	1995	Standard
Sorghum Grains	CX-STAN 172	Rev.1	1995	Standard
Sorghum Flour	CX-STAN 173	Rev.1	1995	Standard
Vegetable Protein Products	CX-STAN 174		1989	Standard
Soy Protein Products	CX-STAN 175		1989	Standard
Edible Cassava Flour	CX-STAN 176	Rev.1	1995	Standard
Grated Desiccated Coconut	CX-STAN 177		1991	Standard
Durum Wheat Semolina & Durum Wheat Flour	CX-STAN 178	Rev.1	1995	Standard
Vegetable Juices	CX-STAN 179		1991	Standard
Foods for Special Medical Purposes; Labelling & Claims	CX-STAN 180		1991	Standard
Formula Foods for Use in Weight-Control Diets	CX-STAN 181		1991	Standard
Papaya	CX-STAN 183		1993	Standard
Mango	CX-STAN 184		1993	Standard
Nopal	CX-STAN 185		1993	Standard
Prickly Pear	CX-STAN 186		1993	Standard
Carambola	CX-STAN 187		1993	Standard
Baby Corn	CX-STAN 188		1993	Standard
Dried Shark Fins	CX-STAN 189		1993	Standard
Pineapple	CX-STAN 182		1993	Standard
General Standard for Quick Frozen Fish Fillets	CX-STAN 190		1995	Standard
Quick Frozen Raw Squid	CX-STAN 191		1995	Standard
General Standard for Food Additives	CX-STAN 192	Rev.1	1997	Standard
General Standard for Contaminants and Toxins in Foods	CX-STAN 193	Rev.1	1997	Standard
General Standard for Edible Palm Olein	CX-STAN 194		1995	Standard
General Standard for Edible Palm Stearin	CX-STAN 195		1995	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Litchi	CX-STAN 196		1995	Standard
Avocado	CX-STAN 197		1995	Standard
Rice	CX-STAN 198		1995	Standard
Wheat and Durum Wheat	CX-STAN 199		1995	Standard
Peanuts	CX-STAN 200		1995	Standard
Oats	CX-STAN 201		1995	Standard
Coucous	CX-STAN 202		1995	Standard
Formula Foods for Use in Very Low Energy Diets for Weight Reduction	CX-STAN 203		1995	Standard
Mangosteens	CX-STAN 204		1997	Standard
Bananas	CX-STAN 205		1997	Standard
Butter and Whey Butter	CX-STAN A-01		1971	Standard
Butteroil, Anhydrous Butteroil and Anhydrous Milkfat	CX-STAN A-02		1973	Standard
Evaporated Milk & Evaporated Skim Milk	CX-STAN A-03		1971	Standard
Sweetened Condensed Milk and Skimmed Sweetened Condensed Milk	CX-STAN A-04		1971	Standard
Whole Milk Powder, Partly Skimmed Milk Powder & Skimmed Milk Powder	CX-STAN A-05		1971	Standard
Cheese, General Standard	CX-STAN A-06		1978	Standard
Whey Cheese, General Standard	CX-STAN A-07		1971	Standard
Named Variety Process(ed) Cheese & Spreadable Process(ed) Cheese	CX-STAN A-08a		1978	Standard
Process(ed) Cheese & Spreadable Process(ed) Cheese	CX-STAN A-08b		1978	Standard
Process(ed) Cheese Preparations, [Process(ed) Cheese Food & Process(ed) Cheese Spread]	CX-STAN A-08c		1978	Standard
Cream for Direct Consumption	CX-STAN A-09		1976	Standard
Cream Powder, Half Cream Powder & High Fat Milk Powder	CX-STAN A-10		1971	Standard
Yoghurt & Sweetened Yoghurt	CX-STAN A-11a		1975	Standard
Flavoured Yoghurt & Products Heat-Treated after Fermentation	CX-STAN A-11b		1976	Standard
Whey Powders	CX-STAN A-15		1995	Standard
Edible Casein Products	CX-STAN A-18		1995	Standard

Standard or Other Text	Reference	Rev.	Year	Type
Cheddar	CX-STAN C-01		1966	Standard
Danbo	CX-STAN C-03		1966	Standard
Edam	CX-STAN C-04		1966	Standard
Gouda	CX-STAN C-05		1966	Standard
Havarti	CX-STAN C-06		1966	Standard
Samsøe	CX-STAN C-07		1966	Standard
Cheshire	CX-STAN C-08		1967	Standard
Emmentaler	CX-STAN C-09		1967	Standard
Tilsiter	CX-STAN C-11		1968	Standard
Limburger	CX-STAN C-12		1968	Standard
Saint-Paulin	CX-STAN C-13		1968	Standard
Svecia	CX-STAN C-14		1968	Standard
Provolone	CX-STAN C-15		1968	Standard
Cottage Cheese, including Creamed Cottage Cheese	CX-STAN C-16		1968	Standard
Butterkase	CX-STAN C-17		1969	Standard
Coulommiers	CX-STAN C-18		1969	Standard
Harzer Kase	CX-STAN C-20		1969	Standard
Herrgardsost	CX-STAN C-21		1969	Standard
Hushallsost	CX-STAN C-22		1969	Standard
Maribo	CX-STAN C-24		1969	Standard
Fynbo	CX-STAN C-25		1969	Standard
Romadur	CX-STAN C-27		1972	Standard
Amsterdam	CX-STAN C-28		1972	Standard
Leidse (Leyden)	CX-STAN C-29		1972	Standard
Friese (Frisian)	CX-STAN C-30		1972	Standard
Cream Cheese (Rahmfrischkase)	CX-STAN C-31		1973	Standard
Blue-Veined Cheeses	CX-STAN C-32	Rev. 1	1997	Standard
Camembert	CX-STAN C-33		1973	Standard
Brie	CX-STAN C-34		1973	Standard
Extra Hard Grating Cheese	CX-STAN C-35		1978	Standard
Natural Flavorings: General Requirements			1987	Guidelines

Standard or Other Text	Reference	Rev.	Year	Type
International Food Additives Numbering System			1989	Guidelines
Glossary of Terms and Definitions (Veterinary Drug Residues in Foods)			1993	Guidelines
Information on the Use of Food Additives	CAC Misc-1		1989	Guidelines
Guidelines on Claims	GL 01	Rev. 1	1991	Guidelines
Guidelines on Nutrition Labelling	GL 02	Rev. 1	1993	Guidelines
Evaluation of Food Additive Intake	GL 03		1989	Guidelines
Utilization of Vegetable Protein Products in Foods	GL 04		1989	Guidelines
Radionuclides in Foods	GL 05		1989	Guidelines
Acrylonitrile/Vinyl Chloride Monomer	GL 06		1991	Guidelines
Methyl Mercury in Fish	GL 07		1991	Guidelines
Formulated Supplementary Foods for Older Infants & Young Children	GL 08		1991	Guidelines
Addition of Essential Nutrients to Foods	GL 09		1991	Guidelines
Vitamin Compounds & Mineral Salts; List of	GL 10		1991	Guidelines
Mixed Fruit Juices	GL 11		1991	Guidelines
Mixed Fruit Nectars	GL 12		1991	Guidelines
Preservation of Raw Milk by Lactoperoxidase System	GL 13		1991	Guidelines
Spices & Herbs Used in Processed Meat & Poultry Products; Microbiological Quality	GL 14		1991	Guidelines
Standardized Non-Meat Protein Products in Processed Meat and Poultry Products	GL 15		1991	Guidelines
Establishment of a Regulatory Programme for the Control of Veterinary Drugs in Foods	GL 16		1993	Guidelines
Procedures for the Visual Inspection of Lots of Canned Foods	GL 17		1993	Guidelines
Exchange of Information in Food Control Emergency Situations	GL 19		1995	Guidelines
Principles for Food Import and Export Certification and Inspection	GL 20		1995	Guidelines
Principles for the Establishment and Application of Microbiological Criteria for Foods	GL 21		1997	Guidelines
Design of Control Measures for Street-Vended Foods in Africa	GL 22		1997	Guidelines

Standard or Other Text	Reference	Rev.	Year	Type
Nutrition Claims, Use of	GL 23		1997	Guidelines
Use of the Term <i>Halal</i> , General Guidelines	GL 24		1997	Guidelines
Exchange of Information between Countries on Rejections of Imported Foods	GL 25		1997	Guidelines
Design, Operation, Assessment and Accreditation of Food Import and Export Inspection and Certification Systems	GL 26		1997	Guidelines
Assessment of the Competence of Testing Laboratories involved in the Import and Export Control of Foods	GL 27		1997	Guidelines
Food Control Laboratory Management: Recommendations	GL 28		1997	Guidelines
General Principles of Food Hygiene	RCP 01	Rev.3	1997	Code
Canned Fruit & Vegetable Products	RCP 02		1969	Code
Dried Fruits	RCP 03		1969	Code
Desiccated Coconut	RCP 04		1971	Code
Dehydrated Fruits & Vegetables including Fungi	RCP 05		1971	Code
Tree Nuts	RCP 06		1972	Code
Int'l System for Description of Carcasses	RCP 07		1974	Code
Quick Frozen Foods	RCP 08		1983	Code
Fresh Fish	RCP 09		1976	Code
Canned Fish	RCP 10		1976	Code
Fresh Meat	RCP 11	Rev.1	1993	Code
Processed Meat & Poultry Products	RCP 13	Rev.1	1985	Code
Poultry Processing	RCP 14		1976	Code
Egg Products	RCP 15		1978	Code
Frozen Fish	RCP 16		1978	Code
Shrimps & Prawns	RCP 17		1978	Code
Molluscan Shellfish	RCP 18		1978	Code
Irradiation Facilities used for the Treatment of Foods	RCP 19		1979	Code
Code of Ethics for International Trade in Foods	RCP 20	Rev.1	1985	Code
Foods for Infants & Children	RCP 21		1979	Code
Groundnuts	RCP 22		1979	Code

Standard or Other Text	Reference	Rev.	Year	Type
Low-Acid & Acidified Low-Acid Canned Foods	RCP 23	Rev.2	1993	Code
Lobsters	RCP 24		1979	Code
Smoked Fish	RCP 25		1979	Code
Salted Fish	RCP 26		1979	Code
Minced Fish prepared by Mechanical Separation	RCP 27		1983	Code
Crabs	RCP 28		1983	Code
Game	RCP 29	Rev.1	1993	Code
Frog Legs	RCP 30		1983	Code
Dried Milk	RCP 31		1983	Code
Mechanically Separated Meat & Poultry Meat	RCP 32		1983	Code
Natural Mineral Waters	RCP 33		1985	Code
Ante-Mortem & Post-Mortem Judgement of Slaughter Animals & Meat	RCP 34		1985	Code
Frozen Battered and/or Breaded Fishery Products	RCP 35		1985	Code
Storage & Transport of Edible Oils & Fats in Bulk	RCP 36		1987	Code
Cephalopods	RCP 37		1989	Code
Control and Use of Veterinary Drugs	RCP 38		1993	Code
Pre-Cooked and Cooked Foods in Mass Catering	RCP 39		1993	Code
Aseptically Processed and Packaged Low-Acid Foods	RCP 40		1993	Code
Ante- and Post-Mortem Inspection of Slaughter Animals and Ante- and Post-Mortem Judgement of Slaughter Animals and Meat	RCP 41		1993	Code
Spices and Dried Aromatic Plants	RCP 42		1995	Code
Preparation and Sale of Street-Vended Foods (Regional: Latin America and the Caribbean)	RCP 43		1995	Code
Packaging and Transport of Tropical Fresh Fruit and Vegetables	RCP 44		1995	Code
Reduction of Aflatoxin _{B₁} in Raw Materials and Supplemental Feedingstuffs for Milk-Producing Animals	RCP 45		1997	Code

Annex 1

CODEX MAXIMUM RESIDUE LIMITS FOR PESTICIDES AND
CODEX EXTRANEEOUS MAXIMUM RESIDUE LIMITS

BASIS FOR ESTABLISHMENT OF CODEX MAXIMUM RESIDUE LIMITS FOR PESTICIDES

Codex Maximum Residue Limits are recommended on the basis of appropriate residue data obtained mainly from supervised trials. The residue data thus obtained reflect registered or approved usage of the pesticide in accordance with "good agricultural practices". These may vary considerably from region to region owing to differences in local pest control requirements which are due to a variety of reasons. Consequently, residues in food, particularly at a point close to harvest may also vary. In establishing Codex MRLs, these variations in residues due to differences in "good agricultural practices" are taken into consideration, as far as possible on the basis of available data.

As Codex MRLs cover a wide spectrum of use patterns and "good agricultural practices" and need to reflect residue levels closely following harvest, they may occasionally be higher than the levels of residues found in national surveillance activities. This may be especially so with easily degradable pesticides and when analysis is carried out at a point in the distribution chain far removed from the last application of the pesticide.

Codex MRLs are established only where there is supporting evidence concerning the safety to humans of the resulting residues as determined by the Joint FAO/WHO Meeting on Pesticide Residues and this means that Codex Maximum Residue Limits represent residue levels which are toxicologically acceptable.

BASIS FOR ESTABLISHMENT OF CODEX EXTRANEEOUS MAXIMUM RESIDUE LIMITS

Another type of Codex Maximum Limit, the Codex Extraneous Maximum Residue Limit refers to residues of compounds, which were used as pesticides but are not any more registered as pesticides, arising from environmental contamination (including former agricultural use of pesticides) or uses of these compounds other than agricultural uses. These residues are treated as contaminants. Recommendations of EMRLs are mainly based on residue data obtained from national food control or monitoring activities. Codex EMRLs need to cover widely varying residue levels in food reflecting differing situations in respect of contamination of food by environmental and persistent pesticide residues. For this reason, Codex EMRLs cannot always reflect strictly the actual local residue situation existing in given countries or regions. Codex EMRLs represent acceptable residue levels which are intended to facilitate international trade in food while protecting the health of the consumer. They are established only when there is supporting evidence concerning the safety to humans of the residues as determined by the Joint FAO/WHO Meeting on Pesticide Residues.

CODEX MAXIMUM RESIDUE LIMITS/EXTRANEIOUS MAXIMUM RESIDUE LIMITS AND CONSUMER PROTECTION: DETERMINATION OF TOTAL DAILY INTAKE OF PESTICIDE RESIDUES

The primary purpose of setting maximum limits for pesticide residues in or on food and in some cases, in animal feeds, is to protect the health of the consumer. Codex MRLs and EMRLs serve that primary purpose as they help to ensure that only the minimum amount of pesticide is applied to food consistent with real pest control needs. Codex MRLs are based on residue data from supervised trials and not directly derived from Acceptable Daily Intakes (ADIs), which are a quantitative expression of acceptable daily amounts of residue which persons may ingest on a long term basis and which are established on the basis of appropriate toxicological data mainly from animal studies.

The acceptability of Codex MRLs is judged on the basis of a comparison of the acceptable daily intake with estimated daily intakes, as determined on the basis of suitable intake studies. Intake data from such studies, compared with acceptable daily intakes, help in determining the safety of foods in respect of pesticide residues. Guidelines for predicting Dietary Intakes of Pesticide Residues have been prepared under the joint sponsorship of UNEP, FAO and WHO.¹

CODEX MAXIMUM RESIDUE LIMITS/EXTRANEIOUS MAXIMUM RESIDUE LIMITS FOR MILK AND MILK PRODUCTS

Codex MRLs/EMRLs for fat-soluble pesticide residues in milk and milk products are expressed on a whole product basis.

For a "milk product" with a fat content less than 2%, the MRL applied should be half those specified for milk. The MRL for "milk products" with a fat content of 2% or more should be 25 times the maximum residue limit specified for milk, expressed on a fat basis.

Fat soluble pesticide residues to which the above general provision applies are indicated with the letter "F" in conjunction with the MRL specified for milk. However, in case of an MRL or EMRL set at or about the limit of determination, the letter "F" is not used.

CODEX MAXIMUM RESIDUE LIMITS/EXTRANEIOUS MAXIMUM RESIDUE LIMITS FOR PROCESSED FOODS

As a rule, Codex MRLs and EMRLs are established for raw agricultural commodities. However, where it is considered necessary for consumer protection and facilitation of trade, MRLs and EMRLs are also established for certain processed foods on a case-by-case basis, taking into consideration information on the influence of processing on residues.

¹ Guidelines for Predicting Dietary Intake of Pesticide Residues, Joint UNEP/FAO/WHO, World Health Organization, Geneva 1989.

INDEX OF PESTICIDES IN ALPHABETICAL ORDER

23	1,2-DIBROMOETHANE	15	CHLORMEQUAT	184	ETHOFENPROX
24	1,2-DICHLOROETHANE	16	CHLOROBENZILATE	149	ETHOPROPHOS
121	2,4,5-T	81	CHLOROTHALONIL	35	ETHOXYQUIN
20	2,4-D	17	CHLORPYRIFOS	108	E T H Y L E N E
56	2-PHENYLPHENOL	90	CHLORPYRIFOS-		THIOUREA (ETU)
177	ABAMECTIN		METHYL	123	ETRIMFOS
95	ACEPHATE	156	CLOFENTEZINE	85	FENAMIPHOS
117	ALDICARB	18	COUMAPHOS	109	FENBUTATIN OXIDE
1	ALDRIN AND DIELDRIN	19	CRUFOMATE	36	FENCHLORPHOS
134	AMINOCARB	91	CYANOFENPHOS	37	FENITROTHION
122	AMITRAZ	179	CYCLOXYDIM	185	FENPROPATHRIN
79	AMITROLE	157	CYFLUTHRIN	38	FENSULFOTHION
163	ANILAZINE	146	CYHALOTHRIN	39	FENTHION
68	AZINPHOS-ETHYL	67	CYHEXATIN	40	FENTIN
2	AZINPHOS-METHYL	118	CYPERMETHRIN	119	FENVALERATE
129	AZOCYCLOTIN	169	CYROMAZINE	152	FLUCYTHRINATE
155	BENALAXYL	104	DAMINOZIDE	165	FLUSILAZOLE
137	BENDIOCARB	21	DDT	41	FOLPET
69	BENOMYL	135	DELTAMETHRIN	42	ORMOTHION
172	BENTAZONE	92	DEMETON	175	GLUFOSINATE-
178	BIFENTHRIN	73	DEMETON-S-METHYL		AMMONIUM
3	BINAPACRYL	164	DEMETON-S-METHYL	158	GLYPHOSATE
93	BIORESMETHRIN		SULPHON	114	GUAZATINE
144	BITERTANOL	98	DIALIFOS	43	HEPTACHLOR
47	BROMIDE ION	22	DIAZINON	44	HEXACHLOROENZENE
4	BROMOPHOS	82	DICHOFLUANID	170	HEXACONAZOLE
5	BROMOPHOS-ETHYL	25	DICHLORVOS	176	HEXYTHIAZOX
70	BROMOPROPYLATE	83	DICLORAN	45	HYDROGEN CYANIDE
173	BUPROFEZIN	26	DICOFOL	46	HYDROGEN PHOSPHIDE
139	BUTOCARBOXIM	130	DIFLUBENZURON	110	IMAZALIL
174	CADUSAFOS	151	DIMETHIPIN	111	IPRODIONE
71	CAMPHECHLOR	27	DIMETHOATE	131	ISOFENPHOS
6	CAPTAFOL	87	DINOCAP	88	LEPTOPHOS
7	CAPTAN	28	DIOXATHION	48	LINDANE
8	CARBARYL	29	DIPHENYL	49	MALATHION
72	CARBENDAZIM	30	DIPHENYLAMINE	102	MALEIC HYDRAZIDE
96	CARBOFURAN	31	DIQUAT	50	MANCOZEB
9	CARBON DISULPHIDE	74	DISULFOTON	124	MECARBAM
10	C A R B O N	180	DITHIANON	138	METALAXYL
	TETRACHLORIDE	105	DITHIOCARBAMATES	125	METHACRIFOS
11	CARBOPHENOTHION	84	DODINE	100	METHAMIDOPHOS
145	CARBOSULFAN	99	EDIFENPHOS	51	METHIDATHION
97	CARTAP	32	ENDOSULFAN	132	METHIOCARB
80	CHINOMETHIONAT	33	ENDRIN	94	METHOMYL
12	CHLORDANE	106	ETHEPHON	147	METHOPRENE
13	CHLORDIMEFORM	107	ETHIOFENCARB	52	METHYL BROMIDE
14	CHLORFENVINPHOS	34	ETHION	53	MEVINPHOS

54 MONOCROTOPHOS
181 MYCLOBUTANIL
140 NITROFEN
55 OMETHOATE
126 OXAMYL
166
OXYDEMETON-METHYL
161 PACLOBUTRAZOL
57 PARAQUAT
58 PARATHION
59 PARATHION-METHYL
182 PENCONAZOLE
120 PERMETHRIN
127 PHENOTHRIN
128 PHENTHOATE
112 PHORATE
60 PHOSALONE
103 PHOSMET
61 PHOSPHAMIDON
141 PHOXIM
62 PIPERONYL BUTOXIDE
101 PIRIMICARB
86 PIRIMIPHOS-METHYL
142 PROCHLORAZ
136 PROCYMIDONE
171 PROFENOFOS
148 PROPAMOCARB
113 PROPARGITE
183 PROPHAM
160 PROPICONAZOLE
75 PROPOXUR
150 PROPYLENE THIOUREA
(PTU)
153 PYRAZOPHOS
63 PYRETHRINS
64 QUINTOZENE
89 *SEC*-BUTYLAMINE
115 TECNAZENE
167 TERBUFOS
65 THIABENDAZOLE
154 THIODICARB
76 THIOMETON
77 THIOPHANATE-
METHYL
162 TOLYLFLUANID
133 TRIADIMEFON
168 TRIADIMENOL
143 TRIAZOPHOS
66 TRICHLORFON
116 TRIFORINE
78 VAMIDOTHION
159 VINCLOZOLIN

Annex 2

CODEX MAXIMUM RESIDUE LIMITS FOR VETERINARY DRUGS

Albendazole

ADI: 0-50 µg/kg body weight
Residue Definition: 2-Aminosulfone metabolite

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	100	1993
sheep	muscle	100	1993
cattle	liver	5000	1993
sheep	liver	5000	1993
cattle	kidney	5000	1993
sheep	kidney	5000	1993
cattle	fat	100	1993
sheep	fat	100	1993
cattle	milk	100	1993
sheep	milk	100	1993

Benzylpenicillin

ADI: 30 µg/person/day (daily intake of the parent drug should be kept below this level)
Residue Definition: Benzylpenicillin

Species	Tissue	MRL µg/kg	Adoption
all species	muscle	50	1993
all species	liver	50	1993
all species	kidney	50	1993
all species	milk	4	1993

Carbadox

ADI: Acceptable
Residue Definition: Quinoxaline-2-carboxylic acid

Species	Tissue	MRL (µg/kg)	Adoption
pig	muscle	5	1993
pig	liver	30	1993

Closantel

ADI: 0-30 µg/kg body weight

Residue Definition: Closantel

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	1000	1993
sheep	muscle	1500	1993
cattle	liver	1000	1993
sheep	liver	1500	1993
cattle	kidney	3000	1993
sheep	kidney	5000	1993
cattle	fat	3000	1993
sheep	fat	2000	1993

Diminazene

ADI: 0-100 µg/kg-body weight

Residue Definition: Diminazene

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	500	1997
cattle	liver	12000	1997
cattle	kidney	6000	1997
cattle	milk	150 (µg/l)*	1997

* Quantitation limit of the analytical method.

Doramectin

ADI: 0-0.5 µg/kg-body weight

Residue Definition: Doramectin

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	10	1997
cattle	liver	100	1997
cattle	kidney	30	1997
cattle	fat	150	1997

Estradiol - 17Beta

ADI: Unnecessary

Residue Definition: Estradiol - 17Beta

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	unnecessary	1995
cattle	liver	unnecessary	1995
cattle	kidney	unnecessary	1995
cattle	fat	unnecessary	1995

Flubendazole

ADI: 0-12 µg/kg body weight
Residue Definition: Flubendazole

Species	Tissues	MRL (µg/kg)	Adoption
pig	muscle	10	1995
poultry	muscle	200	1995
pig	liver	10	1995
poultry	liver	500	1995
poultry	eggs	400	1995

Isometamidium

ADI: 0-100 µg/kg body weight
Residue Definition: Isometamidium

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	100	1995
cattle	liver	500	1995
cattle	kidney	1000	1995
cattle	fat	100	1995
cattle	milk	100	1995

Ivermectin

ADI: 0-1 µg/kg body weight
Residue Definition: 22,23-Dihydroavermectin B_{1a} (H₂B_{1a})

Species	Tissue	MRL (µg/kg)	Adoption
cattle	liver	100	1993
pig	liver	15	1993
sheep	liver	15	1993
cattle	fat	40	1993
pig	fat	20	1993
sheep	fat	20	1993

Levamisole

ADI: 0-6 µg/kg-body weight

Residue Definition: Levamisole

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	10	1997
pig	muscle	10	1997
sheep	muscle	10	1997
poultry	muscle	10	1997
cattle	liver	100	1997
pig	liver	100	1997
sheep	liver	100	1997
poultry	liver	100	1997
cattle	kidney	10	1997
pig	kidney	10	1997
sheep	kidney	10	1997
poultry	kidney	10	1997
cattle	fat	10	1997
pig	fat	10	1997
sheep	fat	10	1997
poultry	fat	10	1997

Moxidectin

ADI: 0-2 µg/kg-body weight

Residue Definition: Moxidectin

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	20	1997
sheep	muscle	50	1997
deer	muscle	20	1997
cattle	liver	100	1997
sheep	liver	100	1997
deer	liver	100	1997
cattle	kidney	50	1997
sheep	kidney	50	1997
deer	kidney	50	1997
cattle	fat	500	1997
sheep	fat	500	1997
deer	fat	500	1997

Oxytetracycline (Only)

ADI: 0-3 µg/kg-body weight (Group ADI for chlortetracycline, oxytetracycline and tetracycline)

Residue Definition: Oxytetracycline

Species	Tissue	MRL (µg/kg)	Adoption
Giant prawn*	-----	100	1997
fish	muscle	100	1993

* *Penaeus monodon*

Progesterone

ADI: Unnecessary

Residue Definition: Progesterone

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	unnecessary	1995
cattle	liver	unnecessary	1995
cattle	kidney	unnecessary	1995
cattle	fat	unnecessary	1995

Spiramycin

ADI: 0-50 µg/kg-body weight

Residue Definition: Cattle and chickens: sum of spiramycin and neospiramycin
Pigs: spiramycin equivalents (antimicrobially active residues)

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	200	1997
pig	muscle	200	1997
chicken	muscle	200	1997
cattle	liver	600	1997
pig	liver	600	1997
chicken	liver	600	1997
cattle	kidney	300	1997
pig	kidney	300	1997
chicken	kidney	800	1997
cattle	fat	300	1997
pig	fat	300	1997
chicken	fat	300	1997
cattle	milk	200 (µg/l)*	1997

* Changed to 200 µg/l at the 48th JECFA

Sulfadimidine

ADI: 0-50 µg/kg body weight

Residue Definition: sulfadimidine

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	100	1995
pig	muscle	100	1995
sheep	muscle	100	1995
poultry	muscle	100	1995
cattle	liver	100	1995
pig	liver	100	1995
sheep	liver	100	1995
poultry	liver	100	1995
cattle	kidney	100	1995
pig	kidney	100	1995
sheep	kidney	100	1995
poultry	kidney	100	1995
cattle	fat	100	1995
pig	fat	100	1995
sheep	fat	100	1995
poultry	fat	100	1995
cattle	milk	25 (µg/l)	1995

Testosterone

ADI: Unnecessary

Residue Definition: Testosterone

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	unnecessary	1995
cattle	liver	unnecessary	1995
cattle	kidney	unnecessary	1995
cattle	fat	unnecessary	1995

Thiabendazole

ADI: 0-100 µg/kg body weight
Residue Definition: sum of thiabendazole and 5-hydroxythiabendazole

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	100	1995
pig	muscle	100	1995
sheep	muscle	100	1995
goat	muscle	100	1995
cattle	liver	100	1995
pig	liver	100	1995
sheep	liver	100	1995
goat	liver	100	1995
cattle	kidney	100	1995
pig	kidney	100	1995
sheep	kidney	100	1995
goat	kidney	100	1995
cattle	fat	100	1995
pig	fat	100	1995
sheep	fat	100	1995
goat	fat	100	1995
cattle	milk	100	1995
goat	milk	100	1995

1/ MRLs established by the 40th JECFA were not reconsidered at the 48th JECFA.

Trenbolone Acetate

ADI: 0-0.02 µg/kg body weight
Residue Definition: β - Trenbolone (cattle muscle)
(- Trenbolone (cattle liver)

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	2	1995
cattle	liver	10	1995

Triclabendazole

ADI: 0-3 µg/kg-body weight

Residue Definition: 5-Chloro-6-(2',3'-dichlorophenoxy)-benzimidazole-2-one

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	200	1997
sheep	muscle	100	1997
cattle	liver	300	1997
sheep	liver	100	1997
cattle	kidney	300	1997
sheep	kidney	100	1997
cattle	fat	100	1997
sheep	fat	100	1997

Zeranol

ADI: 0-0.5 µg/kg body weight

Residue Definition: Zeranol

Species	Tissue	MRL (µg/kg)	Adoption
cattle	muscle	2	1995
cattle	liver	10	1995

KEY

ADI	Acceptable Daily Intake (expressed in micrograms per kilogram body weight)
Tissue	Muscle, Liver, Kidney, Fat, Fat/Skin or Milk
MRL	Maximum Residue Limit (unless noted otherwise, expressed in micrograms per kilogram)
Adoption	Year of Adoption by the Codex Alimentarius Commission