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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

JUL 26 1989

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

Memorandum

**Subject:** Tolerances for milk, milk fat,  
and cheese.

**From:** Francis B. Suhre, Acting Section Head *FBSuhre*  
Special Registration Section II  
Dietary Exposure Branch  
Health Effects Division (H7509C)

**Thru:** Edward Zager, Acting Deputy Branch Chief *EZager*  
Dietary Exposure Branch  
Health Effects Division (H7509C)

**To:** Deborah Sisco  
Office of the Director  
Office of Pesticide Programs (H7501C)

As per your request, we are providing you with a list of pesticide tolerances for milk, milk fat, and cheese. This list was obtained from the National Pesticide Information Retrieval System (NPIRS). Please note that there are no tolerances for butter.

cc:R.F., Circu, Reviewer, PMSD/ISB  
H7509C:DEB:FBS:fbs:557-1883:CM#2:RM814:7/26/89

TOLERANCES FOR MILK AND MILK PRODUCTS

7/26/89

| COMMODITY   | CFR      | TOLERANCE<br>(PPM) | CHEMICAL NAME                                    |
|-------------|----------|--------------------|--|
| <b>MILK</b> |          |                    |  |
|             | 180.416  | 0.05               | Ethalfuralin (113101)                            |
|             | 180.431  | 0.1                | 3,6-Dichloro-2-pyridinecarboxylic aci** (117401) |
|             | 180.31   | 0.01T0388          | Mefluidide ( N-(2,4-dimethyl-5-((tri** (114001)  |
|             | 180.434  | 0.05               | 1-((2-(2,4-Dichlorophenyl)-4-propyl-1** (122101) |
|             | 180.31   | 0.001T588          | Avermectin B1 (B1 = B1a (R = C2H5) + ** (122804) |
|             | 180.31   | 0.01T 588          | (**)-Cyano-3-phenoxybenzyl(1S+1R)-cis** (128897) |
|             | 180.319  | 0.05I              | Isopropyl carbanilate (47601)                    |
|             | 180.31   | 0.01T0788          | N-[2-Chloro-4-trifluoromethyl)phenyl]** (109302) |
|             | 180.368  | 0.02               | Metolachlor ( 2-chloro-N-(2-ethyl-6-m** (108801) |
|             | 180.300  | 0.1                | Ethephon ( (2-chloroethyl)phosphonic ** (99801)  |
|             | 180.420  | 0.05               | Fluridone (112900)                               |
|             | 180.379  | 0.3                | Fenvalerate (109301)                             |
|             | 180.272  | 0.002N             | S,S,S-Tributyl phosphorotrithioate (74801)       |
|             | 180.405  | 0.1                | 2-Chloro-N-(4-methoxy-6-methyl-1,3,** (118601)   |
|             | 180.317  | 0.02N              | Propyzamide (101701)                             |
|             | 180.339  | 0.1N               | 2-Methyl-4-chlorophenoxyacetic acid (30501)      |
|             | 180.321  | 0.75               | sec-Butylamine (4214)                            |
|             | 180.215  | 0.05               | Naled ( 1,2-dibromo-2,2-dichloroethyl** (34401)  |
|             | 180.269  | 0.002              | Aldicarb ( 2-methyl-2-(methylthio)pro** (98301)  |
|             | 180.246  | 0.02N              | Daminozide ( butanedioic acid mono(2,** (35101)  |
|             | 180.280  | 0.02N              | Crotoxyphos (58801)                              |
|             | 180.1021 | EXEMPT             | Cuprous oxide (25601)                            |
|             | 180.294  | 0.1                | Methyl 1-(butylcarbamoyl)-2-benzimida** (99101)  |
|             | 180.355  | 0.02               | Sodium bentazon ( 3-isopropyl-1H-2,1,** (103901) |
|             | 180.257  | 0.05N              | Chloroneb (27301)                                |
|             | 180.404  | 0.01               | O-(4-Bromo-2-chlorophenyl)-O-ethyl S-** (111401) |
|             | 180.104  | 0.0                | Heptachlor (44801)                               |
|             | 180.413  | 0.01               | 1-(2-(2,4-Dichlorophenyl)-2-(2-propen** (111901) |
|             | 180.227  | 0.3                | Dicamba ( 3,6-dichloro-o-anisic acid ) (29801)   |
|             | 180.230  | 0.01N              | Diphenamid (36601)                               |
|             | 180.108  | 0.1                | Acephate ( O,S-dimethyl acetylphospho** (103301) |
|             | 180.206  | 0.02N              | Phorate ( O,O-diethyl S-((ethylthio)m** (57201)  |
|             | 180.205  | 0.01N              | Paraquat dichloride ( 1,1'-dimethyl-4** (61601)  |
|             | 180.211  | 0.02N              | 2-Chloro-N-isopropylacetanilide (19101)          |
|             | 180.292  | 0.05               | Picloram (5101)                                  |
|             | 180.174  | 0.0                | Tetradifon ( 4-chlorophenyl 2,4,5-tri** (79202)  |
|             | 180.249  | 0.02               | Alachlor ( 2-chloro-2',6'-diethyl-N-(** (90501)  |

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|-----------|--------|--------------------|--|
| 180.403   |        | 0.05               | Thidiazuron (120301)                             |
| 180.349   |        | 0.01               | Fenamiphos (100601)                              |
| 180.370   |        | 0.05               | 5-Ethoxy-3-(trichloromethyl)-1,2,4-th** (84701)  |
| 180.171   |        | 0.0                | Dioxathion (37801)                               |
| 180.172   |        | 0.0                | Dodine (44301)                                   |
| 180.169   |        | 0.3                | Carbaryl ( 1-naphthylmethylcarbamate ) (56801)   |
| 180.285   |        | 0.05               | Chlordimeform ( N'-(4-chloro-o-tolyl)** (59701)  |
| 180.301   |        | 0.01               | Carboxin ( 5,6-dihydro-2-methyl-1,4-o** (90201)  |
| 180.316   |        | 0.01N              | Pyrazon (69601)                                  |
| 180.190   |        | 0.0                | Diphenylamine (38501)                            |
| 180.204   |        | 0.002N             | Dimethoate ( O,O-dimethyl S-((methylc** (35001)  |
| 180.214   |        | 0.01N              | Fenthion ( O,O-dimethyl O-(4-(methylt** (53301)  |
| 180.330   |        | 0.01               | Oxydemeton-methyl (58702)                        |
| 180.220   |        | 0.02N              | Atrazine ( 2-chloro-4-(ethylamino)-6-** (80803)  |
| 180.198   |        | 0.01N              | Trichlorphon (57901)                             |
| 180.412   |        | 0.05N              | 2-1-(Ethoxyimino)butyl -5-2-(ethylt** (121001)   |
| 180.213   |        | 0.02N              | Simazine ( 2-Chloro-4,6-bis(ethylamin** (80807)  |
| 180.150   |        | 0.1N               | Dalapon ( 2,2-Dichloropropionic acid ) (28901)   |
| 180.235   |        | 0.02N              | Dichlorvos (84001)                               |
| 180.154A  |        | 0.04N              | O,O-Dimethyl S-((4-oxo-1,2,3-benzotri** (58001)  |
| 180.156   |        | 0.0                | Carbophenothion ( S-(((p-chlorophenyl** (58102)  |
| 180.242   |        | 0.4                | Thiabendazole (60101)                            |
| 180.348   |        | 0.02N              | Profluralin ( N-(cyclopropylmethyl)-a** (106601) |
| 180.142H  |        | 0.1                | 2,4-Dichlorophenoxyacetic acid (30001)           |
| 180.226   |        | 0.02               | Diquat dibromide ( 6,7-dihydrodipyrid** (32201)  |
| 180.143   |        | 0.004N             | Dipropyl isocinchomerate (47201)                 |
| 180.332   |        | 0.05               | 1,2,4-Triazin-5(4H)-one, 4-amino-6-(1** (101101) |
| 180.408   |        | 0.02               | N-(2,6-Dimethylphenyl)-N-(methoxyacet** (113501) |
| 180.274   |        | 0.05N              | 3',4'-Dichloropropionanilide (28201)             |
| 180.338   |        | 0.01N              | 6-Methyl-2,3-quinoxalinedithiol cycli** (54101)  |
| 180.139   |        | 0.0                | Diethyl diphenyl dichloroethane and r** (32101)  |
| 180.418   |        | 0.05T1289          | alpha-Cyano-(3-phenoxyphenyl)methyl-c** (109702) |
| 180.390   |        | 0.3                | Tebuthiuron ( N-(5-(1,1-dimethylethyl** (105501) |
| 180.399   |        | 0.5                | 3-(3,5-Dichlorophenyl)-N-(1-methyleth** (109801) |
| 180.410   |        | 0.04               | 1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1** (109901) |
| 180.400   |        | 0.1                | (+)-Cyano(3-phenoxyphenyl)methyl(+)-4** (118301) |
| 180.438   |        | 0.01T0891          | (**)-Cyano-3-phenoxybenzyl- (1RS)-cis** (128867) |
| 180.1078  | EXEMPT |                    | alpha-Hydro-omega-hydroxypoly(oxy-1,2** (127101) |
| 180.374   |        | 0.01               | O-Ethyl O-(4-(methylthio)phenyl) S-pr** (111501) |
| 180.298   |        | 0.03               | Methidathion ( O,O-dimethyl phosphoro** (100301) |
| 180.319   |        | 0.05I              | Isopropyl N-(3-chlorophenyl)carbamate (18301)    |
| 180.319   |        | 0.05I              | Toxaphene ( Technical chlorinated cam** (80501)  |
| 180.356   |        | 0.1                | Norflurazon ( 4-chloro-5-(methylamino** (105801) |
| 180.359   |        | 0.05               | Methoprene ( isopropyl (E,E)-11-metho** (105401) |
| 180.371   |        | 1.0                | Thiophanate-methyl ( dimethyl ((1,2-p** (102001) |
| 180.387   |        | 0.02               | Isofenphos (109401)                              |
| 180.381   |        | 0.05               | Oxyfluorfen (111601)                             |
| 180.384   |        | 0.05               | N,N-Dimethylpiperidinium chloride (109101)       |

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|---------------------|---------|--------------------|---|
|                     | 180.396 | 0.1                | Hexazinone ( 3-cyclohexyl-6-(dimethyl** (107201)  |
|                     | 180.417 | 0.01               | Triclopyr (116001)                                |
|                     | 180.383 | 0.02               | Sodium acifluorfen ( 5-(2-chloro-4-(t** (114402)  |
|                     | 180.401 | 0.05               | Thiobencarb (108401)                              |
|                     | 180.411 | 0.05               | Butyl (RS)-2-(4-((5-(trifluoromethyl)** (122805)  |
|                     | 180.419 | 0.05               | O,O-Dimethyl O-(3,5,6-trichloro-2-pyr** (59102)   |
|                     | 180.427 | 0.01               | N-[2-Chloro-4-trifluoromethyl)phenyl]** (109302)  |
|                     | 180.428 | 0.05               | Methyl 2-[[[(4-methoxy-6-methyl-1,3,** (122010)   |
|                     | 180.423 | 0.05               | Potassium 1-(p-chlorophenyl)-1,4-dihy** (119001)  |
|                     | 180.31  | 0.05T0389          | 3,6-Bis(2-chlorophenyl)-1,2,4,5-tetra** (125501)  |
|                     | 180.287 | 0.03               | Amitraz (N'-(2,4-dimethylphenyl)-N-(** (106201)   |
|                     | 180.421 | 0.003              | Fenarimol (206600)                                |
|                     | 180.31  | 0.2T0887           | Methyl 2-[[[(4-methoxy-6-methyl-1,3,** (122010)   |
|                     | 180.436 | 0.01               | Cyano (4-fluoro-3-phenoxyphenyl)methyl** (128831) |
|                     | 180.31  | 0.02T0289          | alpha-Butyl-alpha-(4-chlorophenyl)-1H** (128857)  |
|                     | 180.31  | 0.05T0489          | 1-1-4-Chloro-2-(trifluoromethyl)ph** (128879)     |
|                     | 180.441 | 0.01               | Propionic acid, 2-4-(6-chloro-2-qui** (128711)    |
|                     | 180.442 | 0.02T1092          | (2-Methyl[1,1'-biphenyl]-3-yl)methyl~** (128825)  |
|                     | 180.31  | 0.03T 789          | (2-Methyl[1,1'-biphenyl]-3-yl)methyl~** (128825)  |
|                     | 180.443 | 0.05               | alpha-Butyl-alpha-(4-chlorophenyl)-1H** (128857)  |
|                     | 180.31  | 0.1T 1290          | CGA-131036 (128985)                               |
| MILK (REFLECTING    | 0.25    | PPM IN             | WHOLE MILK  |
|                     | 180.378 | 6.25               | Permethrin (109701)                               |
| MILK; NMT           | 0.02    | CARB.              |   |
|                     | 180.254 | 0.1                | Carbofuran ( 2,3-dihydro-2,2-dimethyl** (90601)   |
| MILK, FAT           |         |                    |   |
|                     | 180.367 | 0.3                | N-Octyl bicycloheptene dicarboximide (57001)      |
|                     | 180.362 | 0.1                | Hexakis(2-methyl-2-phenylpropyl)dista** (104601)  |
|                     | 180.252 | 0.5N               | 2-Chloro-1-(2,4,5-trichlorophenyl)vin** (83701)   |
|                     | 180.128 | 0.5N               | Pyrethrin I (69001)                               |
|                     | 180.127 | 0.25N              | Piperonyl butoxide ( butylcarbityl)(** (67501)    |
|                     | 180.379 | 7.0                | Fenvalerate (109301)                              |
|                     | 180.120 | 1.25               | Methoxychlor ( 2,2-bis(p-methoxypheny** (34001)   |
|                     | 180.400 | 2.0                | (+)-Cyano(3-phenoxyphenyl)methyl(+)-4** (118301)  |
|                     | 180.419 | 1.25               | O,O-Dimethyl O-(3,5,6-trichloro-2-pyr** (59102)   |
|                     | 180.287 | 0.3                | Amitraz (N'-(2,4-dimethylphenyl)-N-(** (106201)   |
|                     | 180.441 | 0.05               | Propionic acid, 2-4-(6-chloro-2-qui** (128711)    |
| MILK, FAT (= N IN   |         |                    | WHOLE MILK)                                       |
|                     | 180.189 | 0.5                | O,O-Diethyl O-(3-chloro-4-methyl-2-ox** (36501)   |
|                     | 180.326 | 0.15N              | Dialifor ( O,O-diethyl S-(2-chloro-1-** (102501)  |
|                     | 180.173 | 0.5N               | Ethion ( O,O,O',O'-tetraethyl S,S'-me** (58401)   |
|                     | 180.177 | 1.25               | Ronnel ( O,O-dimethyl O-(2,4,5-trichl** (58301)   |
|                     | 180.182 | 0.5                | Endosulfan ( hexachlorohexahydrometha** (79401)   |
|                     | 180.144 | 0.05               | Cyhexatin (tricyclohexylhydroxystanna** (101601)  |
|                     | 180.346 | 0.1N               | Oxadiazon (109001)                                |
| MILK, FAT (= 0.1 IN |         |                    | WHOLE MILK)                                       |
|                     | 180.209 | 0.5                | Terbacil (12701)                                  |

| COMMODITY                             | CFR      | TOLERANCE<br>(PPM) | CHEMICAL NAME                                   |
|---------------------------------------|----------|--------------------|---|
| MILK, FAT (FROM APPLI TO DAIRY COWS)  | 180.111  | 0.5                | Malathion ( 0,0-dimethyl dithiophosph** (57701) |
| MILK, FAT (ON A FAT BASIS)            | 180.322  | 0.2                | Chlorfenvinphos (84101)                         |
| MILK, FAT (0.02 PPM IN WHOLE MILK)    | 180.342  | 0.5                | Chlorpyrifos ( 0,0-diethyl O-(3,5,6-t** (59101) |
| MILK, FAT (0.08 IN WHOLE MILK)        | 180.259  | 2.0                | Propargite ( 2-(p-tert-butylphenoxy)c** (97601) |
| MILK, FAT (0.1 PPM (N) IN WHOLE MILK) | 180.409  | 3.0                | Pirimiphos-methyl (108102)                      |
| MILK, WHOLE                           |          |                    |   |
| CHEESE, PARMESAN                      | 185.3700 | 325.0              | Inorganic bromides resulting from fum** (53200) |
| CHEESE, ROUQUEFORT                    | 185.3700 | 325.0              | Inorganic bromides resulting from fum** (53200) |