

هيئة التقييس لدول مجلس التعاون لدول الخليج العربية
STANDARDIZATION ORGANIZATION FOR G.C.C (GSO)



GSO 383/ 1994

الحدود القصوى لبقايا مبيدات الآفات في المنتجات
الزراعية والغذائية - الجزء الثاني

**MAXIMUM LIMITS OF PESTICIDE RESIDUES
PERMITTED IN AGRICULTURAL AND
FOOD PRODUCTS - PART 2**

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**MAXIMUM LIMITS OF PESTICIDE RESIDUES
PERMITTED IN AGRICULTURAL AND
FOOD PRODUCTS - PART 2**

1. SCOPE AND FIELD OF APPLICATION

This standard is concerned with the maximum limits of the following pesticide residues permitted in agricultural and food products intended for human consumption: dimethoate, chlorfenvinphos, crufomate, diazinon, dioxathion, diphenyl, diphenylamine, ethoxyquin and folpet.

2. COMPLEMENTARY REFERENCES

- 2.1 GSO Standard on Methods of Test for Pesticide Residues Permitted in Agricultural and Food Products”.

3. DEFINITIONS

The definitions mentioned in GSO 382/1994 “Maximum Limits of Pesticide Residues Permitted in Agricultural and Food Products - Part 1”, shall be used.

4. REQUIREMENTS

Pesticides mentioned in Tables 1 to 9 are permitted for use only in food products, provided that their limits shall not exceed the proportions mentioned against each in the tables.

- 4.1 Dimethoate:

Residue: Sum of Dimethoate and Omethioate

**Table 1
Maximum residue limit of dimethoate**

| Food Product | Maximum Residue Limit (ppm) | Notes |
|--------------|--------------------------------|-------|
| Apples | 2.0 | |
| Beans | 2.0 | |
| Beetroot | 0.2 | |
| Broccoli | 2.0 | |
| Cabbage | 2.0 | |
| Carrot | 1.0 | |
| Cattle | 0.02 | |
| Cauliflower | 2.0 | |
| Celery | 2.0 | |
| Cherries | 2.0 | |
| Corn grain | 0.1 | |
| Eggs | 0.02 | |

| Food Product | Maximum Residue Limit (ppm) | Notes |
|----------------------|-----------------------------|-------|
| Cotton seed | 0.1 | |
| Goats | 0.02 | |
| Grapefruits | 2.0 | |
| Grapes | 1.0 | |
| Lemons | 2.0 | |
| Lettuce | 2.0 | |
| Melon | 1.0 | |
| Milk | 0.002 | |
| Mustard green | 2.0 | |
| Olive oil, refined | 0.05 | |
| Olive | 1.00 | |
| Olives, processed | 0.05 | |
| Onion | 0.2 | |
| Orange | 2.0 | |
| Pears | 2.0 | |
| Peas | 0.5 | |
| Pecan | 0.1 | |
| Peppers | 1.0 | |
| Potatoes | 0.05 | |
| Poultry | 0.02 | |
| Safflower, seed | 0.1 | |
| Sheep | 0.02 | |
| Sorghum, grain | 0.1 | |
| Soybeans | 0.05 | |
| Soybeans hay | 2.0 | |
| Spinach | 2.0 | |
| Sugar beet | 0.05 | |
| Sugar beet leaves | 1.0 | |
| Tomato | 1.0 | |
| Wheat, grain | 0.04 | |
| Wheat, straw | 2.0 | |
| Wheat (used as feed) | 2.0 | |
| Turnip | 0.5 | |

4.2 Chlorfenvinphos

Residue: Sum of alpha and beta-chlorfenvinphos.

Table 2

Maximum residue limit of chlorfenaviphos

| Food Product | Maximum Residue Limit (ppm) | Notes |
|--------------|-----------------------------|-------------------|
| Broccoli | 0.05 | |
| Cabbage | 0.05 | |
| Carcase meat | 0.2 | Carcase fat basis |

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|--|--------------------|
| Carrot | 0.4 | |
| Citrus fruit | 1.00 | |
| Cauliflower | 0.1 | |
| Cottonseed | 0.05 | |
| Eggplant | 0.05 | |
| Horseradish | 0.1 | |
| Leeks | 0.05 | |
| Maize | 0.05 | (Kernels) |
| Milk | 0.008 | Fat basis |
| Mushroom | 0.05 | |
| Onion | 0.05 | |
| Peanuts | 0.05 | Shell - free basis |
| Potato | 0.05 | |
| Radish | 0.1 | |
| Rice | 0.05 | |
| Sweet Potato | 0.05 | |
| Tomato | 0.1 | |
| Turnip | 0.05 | |
| Wheat | 0.05 | |

4.3 Crufomate

Residue: Crufomate

Table 3

Maximum residue limit of crufomate

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|--|--------------|
| Meat | 1.0 | |
| Milk | 0.05 | Fat basis |

Table 4
Maximum residue limit of diazinon

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---|--|--------------------------|
| Almonds | 0.1 | Shell - free basis |
| Barley | 0.1 | |
| Cattle, carcass meat | 0.7 | On the carcass fat basis |
| Citrus fruit | 0.7 | |
| Cotton seed | 0.1 | |
| Filberts | 0.1 | Shell - free basis |
| Fruit (except cherries, grape, melon, carrot, cucumber) | 0.5 0.75 | |
| Leafy vegetables | 0.70 | |
| Milk | 0.02 | |
| Olive oil | 2.0 | |
| Olive (unprocessed) | 2.0 | |
| Peaches | 0.7 | |
| Peanuts | 0.1 | Shell - free basis |
| Pecans | 0.1 | Shell - free basis |
| Rice (polished) | 0.1 | |
| Safflower seed | 0.1 | |
| Sheep, carcass meat | 0.7 | On the carcass fat basis |
| Sunflower seed | 0.1 | |
| Sweet corn | 0.7 | |
| Vegetables (except leafy vegetables) | 0.5 | |
| Walnuts | 0.1 | Shell - free basis |
| Wheat | 0.1 | |

4.5

Dioxathion

Residue: Sum of cis and trans - dioxathion

Table 5
Maximum residue Limit of dioxathion

| Food Product | Maximum Residue Limit (ppm) | Notes |
|----------------------|--|--------------------------|
| Apple | 5 | |
| Apricots | 0.1 | |
| Cattle, carcass meat | 1 | On the carcass fat basis |

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|--|--------------------------|
| Cherries | 0.1 | On the carcass fat basis |
| Citrus fruit | 3 | |
| Goats, carcass meat | 1 | |
| Grapes | 2 | |
| Milk | 0.008 | |
| Peaches | 0.1 | |
| Pears | 5 | |
| Plums | 0.1 | |
| Quinces | 5 | |
| Sheep, carcass meat | 1 | |

- 4.6 Diphenyl
Residue: Diphenylamine

Table 6
Maximum residue limit of diphenyl

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|--|--------------|
| Citrus fruit | 110 | |

- 4.7 **Diphenylamine**
Residue: Diphenylamine

Table 7
Maximum residue limit of diphenylamine

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|--|--------------|
| Apple | 10 | |

4.8 Ethoxyquin

Residue: Ethoxyquin

Table 8
Maximum residue limit of Ethoxyquin

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|------------------------------------|--------------|
| Apple | 3 | |
| Pears | 3 | |

4.9 Folpet

Residue: Folpet

Table 9
Maximum residue limit of Folpet

| Food Product | Maximum Residue Limit (ppm) | Notes |
|---------------------|------------------------------------|--------------|
| Apple | 25 | |
| Blue berries | 25 | |
| Cherries | 15 | |
| Citrus fruit | 10 | |
| Carrots (fresh) | 30 | |
| Cucumber | 2 | |
| Grapes | 25 | |
| Lettuce | 15 | |
| Onion | 2 | |
| Raspberries | 15 | |
| Strawberries | 20 | |
| Tomato | 5 | |
| Watermelon | 2 | |

5. SAMPLING

Samples shall be taken according to the method mentioned in the relevant food product standard.

6. METHODS OF TEST

6 . 1 Pesticide residue shall be determined according to the GSO standard mentioned in 2. 1.

6 . 2 Tests for determination of pesticide residues shall be carried out according to 5. 1 to determine their compliance with this standard.