Design of the Domestic Scheduled Sampling Plan for Pesticides

I. Selecting and Ranking Candidate Pesticides

The candidate pesticides of concern selected by members of the Surveillance Advisory Team (SAT) from the Environmental Protection Agency (EPA). The candidates selected for the 2007 NRP are presented in *Table 25, Scoring Table for Pesticides*. Since the Food Safety and Inspection Service (FSIS) wishes to prioritize which *analyses* should be conducted, compounds that are, or are likely to be, detected by the same analytical methodology have been grouped together.

Compound Scoring

Using a 4-point scale (4 = high; 3 = moderate; 2 = low; 1 = none), members of the SAT scored each of the pesticides in each of the following categories. Note that some of these categories differ from those used for the veterinary drugs:

- FSIS Historical Testing Information on Violations
- Regulatory Concern
- Pre-slaughter Interval
- Bioconcentration Factor
- Endocrine Disruption
- Toxicity

Definitions of each of these categories, and the criteria used for scoring, appear below in the section, "*Scoring Key for Pesticides*."

The results of the compound scoring process are presented in *Table 25*. Where compounds were grouped together, the score assigned to each category is the highest score for all members of the group.

Compound Ranking

1. Background

   Using *Equation 1*[1]:

   Risk = Exposure x Toxicity
   = Consumption x Residue Levels x Toxicity
   = Consumption x "Risk per Unit of Consumption"

FSIS chose to employ techniques and principles from the field of risk assessment to obtain a ranking of the relative public health concern represented by each of the candidate compounds or compound classes. However, unlike the case with veterinary drugs, FSIS does not have historical data on a sufficient range of different pesticide compounds or compound classes to predict violation scores (and thus risk per unit of consumption) using a regression equation. Therefore, a somewhat different approach (although related to that used for the veterinary drugs) was necessary to estimate the "Risk per Unit of Consumption" term.

1 See the Section, *Design of the Domestic Scheduled Sampling Plan for Veterinary Drugs.*

2. Rating the Pesticides According to Relative Public Health Concern

The categories of "Regulatory Concern," "Pre-slaughter Interval" and "Bioconcentration Factor" were employed as predictors of risk per unit of consumption from pesticides in animal products. As indicated above, the "Regulatory Concern" category reflects EPA's professional judgment of the likelihood that a compound or compound class will exceed EPA's level of concern in meat, poultry, or egg products. Thus, it combines residue level and toxicity information. As with the "Withdrawal Time" category for veterinary drugs, the "Pre-slaughter Interval" category is expected to correlate with residue level because longer pre-slaughter intervals are less likely to be properly observed. When the pre-slaughter interval is not observed, the carcass may contain violative levels of residues since the time necessary for sufficient metabolism and/or elimination of the pesticide may not have passed. Bioconcentration is a measure of the extent to which a pesticide concentrates within the fat deposits of animals. Pesticides that bioconcentrate are more likely to accumulate to higher levels within animal tissue, which is expected to increase the potential for human exposure.

The "Toxicity" category reflects both the dose required to achieve a toxic effect and the severity of that effect. Since the numerical value assigned to toxicity is independent of other parameters, it can be used directly as a term in *Equation 1*.

EPA assigns a value to regulatory concern, pre-slaughter interval and bioconcentration factor to each pesticide compound or class of compounds. These values are multiplied by a weighted average and then by the toxicity value to give an estimate of the relative risk per unit of consumption, as shown in *Equation 12*.

Equation 12

Relative Public Health Concern

= Estimated relative risk per unit of consumption x *modifier for* "Lack of FSIS Testing Information on Violations"
= Estimated relative exposure x Relative toxicity x *modifier for* "Lack of FSIS Testing Information on Violations"
= Weighted average of {"Regulatory Concern," "Pre-slaughter Interval," "Bioconcentration factor"} x "Toxicity."

Comparing *Equation 12* to *Equation 3*, it can be seen that the "Weighted average of {'Regulatory Concern,' 'Pre-slaughter Interval,' "Bioconcentration factor'}" has been used in place of "Predicted or Actual Score for 'FSIS Historical Testing Information on Violations'." Endocrine Disruption" was not included in *Equation 12*, because scores for this category were not available for most of the pesticides.

The pesticides in *Table 25* are rated according to their relative public health concern by combining the scoring categories presented in *Equation 12* using a weighting formula. The formula is presented in *Equation 13* and in *Table 25*. FSIS selected this formula, based on a consensus about the relative importance of each modifier, and of how much each modifier should be allowed to alter the underlying risk-based score for Relative Public Health Concern. The value of the selected mathematical formula is that it formalizes the basis of FSIS's judgement. This enables others to observe and understand the adjustments that were made, and it ensures consistency in how these adjustments were applied across a wide range of compounds.

Equation 13

Relative public health concern rating, pesticides = ((2*R+P+B)/4))*T

Where: R = score for "Regulatory Concern"
P = score for "Pre-slaughter Interval"
B = score for "Bioconcentration Factor"
T = score for "Toxicity."

In *Equation 13*, the variable for regulatory concern (R) is given twice as much weight as the pre-slaughter interval (P) and bioconcentration factor (B) because FSIS considers regulatory concern to be more of a direct measurement of exposure.

Equation 13 for pesticides and *Equation 4* for veterinary drugs have been normalized to give the same maximum value so that their values appear to be comparable. However, because Equation 13 uses variables that are derived from terms (scoring categories) that are not the same as the terms used in *Equation 4*, their scores are not comparable. The scores for the pesticides and drugs were normalized to provide a rough comparison between these two different categories of compounds.

In *Table 26*, *Rank and Status for Pesticides*, the pesticides are ranked by their rating scores, as generated using the selected weighting scheme given in *Equation 13*. The scores presented in *Table 26* enable FSIS to bring consistency, grounded in formal risk-based considerations, to its efforts to differentiate among a very diverse range of pesticides and pesticide classes in a situation that is marked by minimal data on relative exposures**.** These rankings do not account for differences in exposure due to differences in overall consumption. Data on relative consumption are applied subsequently, in Phase IV, when relative exposure values for each compound/production class (C/PC) pair are estimated.

II. Prioritizing Candidate Pesticides

Once SAT completed ranking the pesticides according to their relative public health concern, the ranking scores were used to select compounds for the 2007 NRP. Using professional judgment, SAT participants decided that the pesticide compounds and compound classes that received a ranking of 21 or greater, as shown in *Table 26* represent a potential public health concern that is sufficient to justify their inclusion in the 2007 NRP. In addition, EPA indicated that pesticide compounds one through seven in *Table 26* have more potential for concern than their scores indicate. For this reason, these compounds were moved to the top of the priority list**.**

Once these high-priority compounds and compound classes had been identified, it was necessary for FSIS to apply considerations beyond those related to public health to determine the compounds that would be sampled. The principal consideration that was not related to public health was the availability of laboratory resources, especially the availability of appropriate analytical methods within the FSIS laboratories. Based on this constraint, only the chlorinated hydrocarbon/chlorinated organophosphate (CHC/COP) compound class can currently be included in the NRP. There are 39 compounds in this compound class that FSIS will analyze for quantity and chemical identity. There are 4 additional compounds that will only be identified. The compounds are:

HCB, alpha-BHC, lindane, heptachlor, dieldrin, aldrin, endrin, ronnel, linuron, oxychlordane, chlorpyrifos, nonachlor, heptachlor epoxide A, heptachlor epoxide B, endosulfan I, endosulfan I sulfate, endosulfan II, trans-chlordane, cis-chlordane, chlorfenvinphos, p,p'-DDE, p, p'-TDE, o,p'-DDT, p,p'-DDT, carbophenothion, captan, tetrachlorvinphos [stirofos], kepone, mirex, methoxychlor, phosalone,

coumaphos-O, coumaphos-S, toxaphene, famphur, PCB 1242, PCB 1248, PCB 1254, PCB 1260, dicofol*, PBBs*, polybrominated diphenyl ethers*, and deltamethrin* (*identification only; not quantitated)

The sampling status of each compound or compound class in the 2007 scheduled sampling plan is provided in *Table 26*. For each highly ranked compound or compound class that was not scheduled for inclusion in the 2007 NRP, a brief explanation of the reason for its exclusion is provided. This table will be used to identify future method development needs for pesticides for the FSIS NRP.

It can be seen that a number of highly ranked pesticides could not be included in the 2007 NRP due to methodological limitations. FSIS will apply methodology capable of capturing chlorinated hydrocarbons and chlorinated and non-chlorinated organophosphates when such methodology can be implemented.

III. Identifying the Compound/Production Class (C/PC) Pairs

The CHC/COP class includes pesticides that may be present in the foods animals eat, creating the potential for the occurrence of "secondary residues" (i.e., residues that are not the result of direct treatment) in all classes of animals. Other compounds within this class (such as the PCBs) are environmental contaminants to which any animal may be exposed.

For the 2007 NRP, FSIS has suspended scheduled sampling testing for CHCs and COPs for the following production classes: minor species (ducks, geese, ratites, rabbits, squab, and bison); young chickens; market hogs; steers; young turkeys; mature chickens; bulls; formula-fed veal; mature turkeys; roaster pigs; and bob veal. Not scheduling these species will allow FSIS to focus those resources on the development of methodologies in areas that are of high public health concern. FSIS will continue sampling for CHCs and COPs as a means of scheduled sampling for the occurrence of accidental contamination incidents.

IV. Allocation of Sampling Resources

Since only the CHC/COP compound class will be included in the 2007 NRP, this phase is relatively straightforward. FSIS has sufficient analytical capability to implement CHC/COP analysis in all production classes. To establish a relative sampling priority for each C/PC pair, the ranking score for the CHC/COPs were calculated (*Table 25*) and multiplied by the estimated relative percent of domestic consumption for each production class (presented in *Table 4*) and shown in *Equation 14*. This is identical to *Equation 6*, which was used to calculate the relative sampling priorities for the veterinary drugs:

Equation 14

$$(\text{Rel. sampling priority})_{C/PC} = (\text{Ranking score})_{C} \times (\text{Est. rel. \% domestic consumption})_{PC}$$

As stated above for veterinary drugs, *Equation 14* is analogous to the equation used to estimate risk in *Equation 1*, in which risk per unit of consumption is multiplied by consumption. While the results of *Equation 14* do not constitute an estimate of risk, they provide a numerical representation of the relative public health concern associated with each C/PC pair, and thus can be used to prioritize FSIS analytical sampling resources according to the latter. Note that the risk ranking provided by *Equation 14* is based upon average consumption across the entire U.S. population, rather than upon maximally exposed individuals.

A ranking of the C/PC pairs within this single compound class could be obtained merely using the estimated relative percent of domestic consumption for each production class. In other words, the *rank order and the relative magnitude of the score* assigned to each of the C/PC pairs within this compound class is not changed by multiplying all the relative consumption values by the ranking score, since the ranking score is a constant term. Nevertheless, to maintain a rough parity between the sampling numbers assigned to the veterinary drugs and those assigned to the pesticides, all of the relative consumption figures were multiplied by the ranking score for the CHC/COP compound class. Then, rather than simply dividing the production classes into quartiles, the initial sampling levels were chosen using the same cutoff numbers employed in *Table 5* for the veterinary drugs. The cutoff scores are as follows: for a priority score greater than 15, a sample number of 300 was applied and for a priority score of less than 15, a sample number of 230 was applied. The results are presented in *Table 27, Pesticide Compound/Production Class Pairs, Sorted by Sampling Priority Score, with Adjusted Number of Analyses*. These sampling levels provide varying probabilities of detecting residue violations. Larger sample sizes, which provide the greater chance of detecting violations, are directed towards those C/PC pairs that have been identified as representing higher levels of relative public health concern.

Adjusting Relative Sampling Numbers

Adjusting for historical data on violation rates of individual C/PC pairs

Extensive FSIS historical testing information on violations, subdivided by production class, is available for the CHC/COP compound class. This information has been used to further refine the relative priority of sampling each C/PC pair. *Table 27* lists, for the period 01/01/1995 -12/31/2004 the total number of samples analyzed by FSIS in each production class under its scheduled sampling plan (i.e., random sampling only), and the percent of samples found to be violative (i.e., present at a level in excess of the action level or regulatory tolerance; or, for those compounds that are prohibited, present at any detectable level). Using these data, the following rules were applied to adjust the sampling numbers:

1. Less than 300 samples from the C/PC pair tested over the 10-year period: +1 level (i.e., increase by one sampling level, e.g., from 230 samples to 300 samples).
2. At least 300 samples tested over the 10-year period, violation rate $\geq$ 0.25%: +1 level.
3. At least 300 samples tested over the 10-year period, violation rate = 0.00%: -1 level.
4. The maximum number of samples to be scheduled for testing is 300.

Exceptions to these rules are:

1. Because the use of the CHC/COP method to test for phenylbutazone did not start until recently, FSIS has limited data on the occurrence of this drug in the production classes of interest. Therefore, all production classes for which phenylbutazone was designated as of potential concern (in Table 3A, with a "●") were assigned a minimum of 300 samples.
2. For the 2007 NRP, FSIS has suspended scheduled sampling testing for for CHCs and COPs for the following production classes: minor species (ducks, geese, ratites, rabbits, squab, and bison); young chickens; market hogs; steers; young turkeys; mature chickens; bulls; formula-fed veal; mature turkeys; roaster pigs; and bob veal.

All of the above adjustments were applied. The sampling numbers obtained following these adjustments are listed in *Table 27* under the heading, "Initial Adjust," (initial adjusted number of samples).

Adjusting for laboratory capacity

No adjustment for laboratory capacity was necessary for the 2007 NRP.

Adjustment for the Number of Slaughter Facilities

An adjustment to the total number of scheduled samples was made based on the number of production facilities (*Table 27*). For this adjustment, FSIS considered the total number of production facilities (USDA Inspected Establishments for 2003) for each production class. If the total number of production facilities for a production class was found to be low relative to other production classes, the total number of scheduled samples was reduced for that production class. The number of samples selected for the reduction is based on FSIS professional judgment. If the number of facilities is less than 100, the number of scheduled samples was adjusted down by 1 level (if 300 were assigned initially, decrease to 230 samples). The total number of samples will not be reduced below 230. Based on these parameters, the number of scheduled samples was adjusted for the following production classes: "Formula-fed veal", "Bob Veal", "Young Turkeys", "Mature Chickens", and "Mature Turkeys." No adjustment will be made for the minor species (bison, ducks, rabbits, geese, squab, and ratites) since these minor species are suspended from testing for the 2007 NRP.

V. Scoring Key for Pesticides

FSIS Historical Testing Information on Violations (01/01/199 -12/31/2004)

Violation rate scores were calculated by two different methods, A and B, using violation rate data from FSIS random sampling of animals entering the food supply:

Method A: Maximum Violation Rate. Identify the production class exhibiting the highest average violation rate (the number of violations over the period from 1995-2004, divided by the total number of samples analyzed). Score as follows:

4 = > 0.5%
3 = 0.25% - 0.5 %
2 = 0.07% - 0.24%
1 = < 0.07%
NT = Not tested by FSIS.
NA = Tested by FSIS, but violation information does not apply.

Method B: Violation Rate Weighted by Size of Production Class. For each production class analyzed, multiply the average violation rate (defined above) by the relative consumption value for that class (weight annual U.S. production for that class, divided by total production for all classes for which FSIS has regulatory responsibility). Add together the values for all production classes. Score as follows:

4 = > 0.08%
3 = 0.035% - 0.08%
2 = 0.003% - 0.034%
1 = < 0.003%
NT = Not tested by FSIS.
NA = Tested by FSIS, but violation information does not apply.

The final score is determined by assigning, to each pesticide or pesticide class, the greater of the scores from Method A and Method B.

It can be seen that Method A identifies those pesticides that are of regulatory concern because they exhibit high violation rates, independent of the relative consumption value of the production class in which the violations have occurred. Method B identifies those pesticides that may not have the highest violation rates, but would nevertheless be of concern because they exhibit moderate violation rates in a relatively large proportion of the U.S. meat supply. By employing Methods A and B together, and assigning a final score based on the highest score received from each, both of the above concerns are captured.

Regulatory Concern

These scores represent EPA's professional assessment of the extent to which the acute or chronic dietary exposure to this compound may exceed EPA's level of concern. For compounds other than carcinogens, this was determined by comparing a compound's Acute or Chronic Population Adjusted Dose (PAD) (whichever was lower) to the estimated level of exposure. The Acute and Chronic PAD's are calculated as follows:

The Acute Reference Dose (Acute RfD) is an estimate (with uncertainty spanning an order of magnitude or greater) of a single oral exposure level for the human population, including sensitive subpopulations, that is likely to be without an appreciable risk of deleterious effects.

The Chronic Reference Dose (Chronic RfD) is an estimate (with uncertainty spanning an order of magnitude or greater) of a daily oral exposure level for the human population, including sensitive subpopulations, that is likely to be without an appreciable risk of deleterious effects during a lifetime.

The Acute and Chronic RFD's are calculated by dividing the No Observed Adverse Effect Level (NOAEL) (i.e., the highest dose that gave no observable adverse effect) or the Lowest Observed Adverse Effect Level (LOAEL) (i.e., the lowest dose at which an adverse effect was seen) by Uncertainty Factors (UF). UF's are used to account for differences between different humans (intraspecies variability) and for differences between the test animals and humans (interspecies extrapolation). If the LOAEL is used, an additional UF is required.

RfD = (NOAEL or LOAEL)/Total UF

The Acute and Chronic Population Adjusted Dose (PAD) are the Acute and Chronic RfD, respectively, modified by the FQPA Safety Factor:

Acute or Chronic PAD = (Acute or Chronic RfD)/FQPA Safety Factor

The acute and chronic dietary risks are expressed as a percentage of the Acute or Chronic PAD. A dietary risk of 100% of the Acute or Chronic PAD (*whichever is lower*) is the target level of exposure that should not be exceeded (i.e., the estimated risk associated with any exposure that is less than 100% of the PAD has been judged not to be of concern). In the following, "PAD" is the lower of the Acute and Chronic PAD's.

4 = PAD exceeder or carcinogen.

3 = Close to PAD.

2 = Exposure estimated to be a low percentage of PAD.

1 = Exposure estimated to be a very low percentage of PAD.

Lack of FSIS Testing Information on Violations

The category, "Lack of FSIS Testing Information on Violations," has been removed from the expression for the 2007 NRP. SAT and other residue experts observed that the scores for the category lacked variability and, therefore, did not result in significant variability in the relative public health concern for a residue.

Pre-Slaughter Interval

A numerical value of 1, 2, 3 or 4 is assigned by EPA to pesticides for the category "Pre-Slaughter Interval" (*Table 25*). Pesticides in this category have been accepted for direct dermal application and have a minimum pre-slaughter interval, which is the interval between the last dermal application and the time of slaughter. FSIS determines a value for a pesticide in this category as follows:

- A value of 4 is assigned when dermal application is permitted and the pre-slaughter interval is 1 day or greater.
- A value of 3 is assigned when dermal application is permitted and pre-slaughter interval 0 days.
- A value of 2 is assigned when dermal application is not permitted, but the treatment of premises (e.g., holding cells, feedlots, barns, etc.) is permitted.
- A value of 1 is assigned when neither dermal application nor premise treatment are permitted.

Bioconcentration Factor

A numerical value of 1, 2, 3 or 4 is assigned by EPA to pesticides for the category "Bioconcentration Factor" (*Table 25*). Bioconcentration is a measure of a compound's relative affinity for fat, as measured by the $K_{o/w}$. The $K_{o/w}$ is defined as the logarithm of the partition coefficient between octanol and water ($\log P_{o/w}$). Compounds that have a high affinity for octanol (and thus a high $K_{o/w}$) tend to bioaccumulate in body fat. A bioconcentration value is determined according to the following criteria:

- A value of 4 is assigned if the $\log K_{o/w}$ is greater than 3.
- A value of 3 is assigned if the $\log K_{o/w}$ is between 2 and 3.
- A value of 2 is assigned if the $\log K_{o/w}$ is between 1 and 2.
- A value of 1 is assigned if the $\log K_{o/w}$ is less than 1.

Endocrine Disruption

A numerical value of 3 or 4 (or NT if not tested) is assigned by EPA to pesticides for the category "Endocrine Disruption" (*Table 25*). Endocrine disruption is a measure of the extent to which the compound changes endocrine function and causes adverse effects to individual organisms and/or their progeny, or to organism populations and subpopulations. A value for endocrine disruption is assigned as follows:

- A value of 4 is assigned if endocrine disruption is likely.
- A value of 3 is assigned if endocrine disruption is suspected.
- NT is reported if the compound has not been tested.

Toxicity

A numerical value of 1, 2, 3 or 4 is assigned by EPA to pesticides for the category "Toxicity" (*Table 25*). The toxicity value represents EPA's professional judgment of the toxicity of the compound, including both the dose required to achieve a toxic effect, and the severity of the toxic effect. In the following, "RfD" is the lower of the Acute and Chronic RfD's. [An explanation of Acute and Chronic RfD is provided in the description of Regulatory Concern, above.] A value for toxicity is determined as follows:

- A value of 4 is assigned if the pesticide compound is a cholinesterase inhibitor, carcinogen or has a low RfD.
- A value of 3 is assigned if the pesticide compound has a low RfD.
- A value of 2 is assigned if the pesticide compound has a medium RfD.
- A value of 1 is assigned if the pesticide compound has a high RfD.

Table 25
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations[1]* *(V)*	*Regulatory Concern[2]* *(R)*	*Pre-Slaughter Interval[3]* *(P)*	*Bioconcentration[4]* *(B)*	*Endocrine Disruption[5]*	*Toxicity[6]* *(T)*	*(((2*R)+P+B)/4)*T*
Benzimidazole Pesticides – compounds in FSIS benzimidazole MRM[7]	Not Tested[8]	3	1	4	3	4	11.0
Carbamates in FSIS Carbamate – compounds in the FSIS MRM[9]	Not Tested	4	4	2	3	4	14.0
Carbamates – compounds not in the FSIS carbamate MRM[10]	Not Tested	4	1	3	Not Available	4	12.0
Chlorinated hydrocarbons and chlorinated organophosphates (CHCs and COPs) – compounds in the FSIS CHC/COP MRM[11]	3	4	4	4	Not Available	4	16.0
Chlorinated organophosphates and organophosphates (COPs and OPs) not in the FSIS CHC/COP MRM[12]	Not Tested	4	4	4	Not Available	4	16.0
Synthetic Pyrethrins – compounds in the FSIS Synthetic Pyrethrin MRM[13]	Not Tested	3	4	4	3	4	14.0
Triazines – compounds in the FSIS triazine MRM[14]	Not Tested	4	2	3	4	4	13.0
Triazines – compounds not in the FSIS triazine MRM[15]	Not Tested	4	4	3	4	4	15.0
1-(2,4-dichlorophenyl)-2-(1H-imidazole-1-yl)-1-ethanol	Not Tested	3	4	4	Not Available	4	14.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
1,1-(2,2-dichloroethylidene)bis(4-methoxybenzene)	Not Tested	3	4	4	Not Available	4	14.0
1,1,3,3,-tetrakis(2-methyl-2-phenylpropyl)-1,3-dihydroxydistannoxane	Not Tested	2	1	4	Not Available	3	6.8
1-methoxy-4-(1,2,2,2-tetrachloroethyl)benzene)	Not Tested	3	4	4	Not Available	4	14.0
1-methyl cyromazine	Not Tested	3	4	2	Not Available	4	12.0
1,2,4-Triazole	Not Tested	4	1	3	Not Available	4	12.0
2-((2-ethyl-6-methylphenyl)-amino)-1-propanol	Not Tested	3	1	3	3	4	10.0
2-(1-hydroxyethyl)-6-ethylaniline	Not Tested	4	1	3	3	4	12.0
2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid	Not Tested	3	1	4	Not Available	4	11.0
2,3-dihydro-3,3-dimethyl-2-oxo-5-benzofuranyl methyl sulfonate	Not Tested	2	1	2	Not Available	2	3.5
2,4-D	Not Tested	3	2	1	3	2	4.5

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
2,5-dichloro-4-methoxyphenol	Not Tested	1	1	2	Not Available	3	3.8
2,6-diethylaniline	Not Tested	4	1	3	3	4	12.0
2-aminobenzimidazole	Not Tested	3	1	2	3	4	9.0
2-amino-n-isopropylbenzamide	Not Tested	3	1	2	Not Available	3	6.8
2-carboxyisopropyl-4-(2,4-dichloro)-5-isopropoxyphenyl)-1,3,4-oxadiazolin-5-one	Not Tested	3	1	4	Not Available	4	11.0
2-hydroxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methyl sulfonate	Not Tested	2	1	2	Not Available	2	3.5
2-t-butyl-4-(2,4-dichloro-5-hydroxyphenyl)-delta 2-1,3,4-oxadiazolin-1,3,4,5-one	Not Tested	3	1	4	Not Available	4	11.0
3-(1-(2,4-dichlorophenyl)-2-(1H-imidazole-1-yl)ethoxy)-1,2-propane diol	Not Tested	3	4	4	Not Available	4	14.0
3-(2-chloro-4-hydroxyphenyl)-6-(2-chlorophenyl)-1,2,4,5-tetrazine	Not Tested	3	1	1	Not Available	4	8.0
3-(3,4-dichlorophenyl)-1-methoxyurea	Not Tested	3	2	3	Not Available	4	11.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
3,4-Dichloroaniline	Not Tested	3	2	3	Not Available	4	11.0
3,4-dichlorophenylurea	Not Tested	3	2	3	Not Available	4	11.0
3-carboxy-5-ethoxy-1,2,4-thiadiazole	Not Tested	3	1	4	Not Available	3	8.3
3-t-butyl-5-chloro-6-hydroxymethyluracil	Not Tested	1	1	1	Not Available	3	3.0
4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone	Not Tested	3	1	3	3	4	10.0
4-chloro-2-trifluoromethylaniline	Not Tested	3	1	4	Not Available	3	8.3
4-hydrocythidiazuron	Not Tested	2	1	2	Not Available	4	7.0
6-chloro-2,3-dihydro-3,3,7-trimethyl-5H-oxazolo(3,2a)pyrimidin-5-one	Not Tested	1	1	1	Not Available	3	3.0
6-chloro-2,3-dihydro-7-hydroxymethyl-3,3-dimethyl-5H-oxazolo(3,2-a)pyrimidin-5-one	Not Tested	1	1	1	Not Available	3	3.0
6-chloro-2,3-dihydro-benzoxazol-2-one	Not Tested	3	1	4	Not Available	4	11.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
6-chloronicotinic acid	Not Tested	3	1	1	Not Available	3	6.0
6-chloropicolinic acid	Not Tested	1	1	4	Not Available	3	5.3
6-methyl-2,3-quinoxalinedithiol	Not Tested	3	1	2	Not Available	4	9.0
Abamectin	Not Tested	2	1	4	Not Available	4	9.0
Abamectin delta 8,9 geometric isomer	Not Tested	2	1	4	Not Available	4	9.0
Acifluorfen, amino analog	Not Tested	3	1	2	Not Available	3	6.8
Alachlor	Not Tested	4	1	3	3	4	12.0
Allophanate	Not Tested	3	1	2	Not Available	4	9.0
Aminomethylphosphonic acid	Not Tested	1	2	1	Not Available	1	1.3
Arsanilic acid	Not Tested	4	1	4	Not Available	4	13.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Azoxystrobin	Not Tested	1	1	3	Not Available	2	3.0
Azoxystrobin Z isomer	Not Tested	1	1	3	Not Available	2	3.0
Benoxacor	Not Tested	1	1	3	Not Available	4	6.0
Bensulfuron methyl ester	Not Tested	Not Available	1	1	Not Available	2	1.0
Bentazon, 6-hydroxy bentazon, 8-hydroxy bentazon	Not Tested	3	1	2	Not Available	3	6.8
Bifenthrin	Not Tested	3	1	4	Not Available	4	11.0
Bifenthrin, 4'-hydroxy	Not Tested	3	1	4	Not Available	4	11.0
Bis(trichloromethyl)disulfide	Not Tested	3	1	4	Not Available	4	11.0
Bromoxynil	Not Tested	3	1	1	Not Available	4	8.0
Buprofezin	Not Tested	2	1	2	Not Available	4	7.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Butylamine, sec-	Not Tested	2	1	2	Not Available	2	3.5
Cacodylic acid	Not Tested	3	3	3	3	4	12.0
Captan epoxide	Not Tested	3	1	4	Not Available	4	11.0
Carboxin	Not Tested	3	1	2	Not Available	4	9.0
Carboxin sulfoxide	Not Tested	3	1	2	Not Available	4	9.0
Carfentrazone Ethyl	Not Tested	1	1	4	Not Available	1	1.8
CGA 150829	Not Tested	2	1	1	Not Available	4	6.0
CGA 161149	Not Tested	1	1	1	Not Available	3	3.0
CGA 171683	Not Tested	2	1	1	Not Available	4	6.0
CGA 195654	Not Tested	1	1	1	Not Available	3	3.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Chlorfenapyr	Not Tested	1	1	2	Not Available	4	5.0
Chlorobenzilate	Not Tested	3	1	4	Not Available	3	8.3
Chloroneb	Not Tested	1	1	2	Not Available	3	3.8
Chloroneb, hydroxy-	Not Tested	1	1	2	Not Available	3	3.8
Chlorsulfuron	Not Tested	3	1	2	Not Available	3	6.8
Chlorsulfuron, 5-hydroxy-	Not Tested	3	1	2	Not Available	3	6.8
Clethodim	Not Tested	Not Available	1	2	Not Available	3	2.3
Clofencet	Not Tested	1	1	2	Not Available	3	3.8
Clofentezine	Not Tested	3	1	1	Not Available	4	8.0
Cloprop	Not Tested	1	1	1	Not Available	3	3.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Clopyralid	Not Tested	1	2	1	Not Available	2	2.5
Compound 125670	Not Tested	2	1	2	Not Available	2	3.5
CP 101394	Not Tested	4	1	3	3	4	12.0
CP 108064	Not Tested	4	1	3	3	4	12.0
CP 108065	Not Tested	4	1	3	3	4	12.0
CP 108267	Not Tested	4	1	3	3	4	12.0
CP 51214	Not Tested	4	1	3	3	4	12.0
Cyclanilide	Not Tested	3	1	4	Not Available	4	11.0
Cyclohexylstannoic acid	Not Tested	2	1	2	Not Available	4	7.0
Cyfluthrin	Not Tested	4	4	2	Not Available	3	10.5

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Cyhalothrin, lambda-	Not Tested	4	4	2	Not Available	4	14.0
Cyhexatin	Not Tested	2	1	2	Not Available	4	7.0
Cyromazine	Not Tested	3	4	2	Not Available	4	12.0
Dalapon	Not Tested	2	2	2	Not Available	3	6.0
Dialifor	Not Tested	3	1	4	Not Available	4	11.0
Dialifor oxon	Not Tested	3	1	4	Not Available	4	11.0
Dicamba	Not Tested	3	2	3	Not Available	4	11.0
Dicyclohexyltin oxide	Not Tested	2	1	2	Not Available	4	7.0
Difenoconazole	Not Tested	4	1	4	Not Available	3	9.8
Difenzoquat	Not Tested	1	1	1	Not Available	4	4.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Diflubenzuron	Not Tested	3	4	4	Not Available	2	7.0
Diflufenzopyr	Not Tested	1	1	2	Not Available	4	5.0
Dimethenamid	Not Tested	2	1	1	Not Available	2	3.0
Dimethipin	Not Tested	1	1	1	Not Available	3	3.0
Dioxathion	Not Tested	3	1	3	Not Available	4	10.0
Diphenamid	Not Tested	3	1	1	Not Available	3	6.0
Diphenamid, desmethyl	Not Tested	3	1	1	Not Available	3	6.0
Diphenylamine	Not Tested	3	3	1	Not Available	3	7.5
Dipropyl isocinchomerate	Not Tested	3	4	4	Not Available	2	7.0
Diquat dibromide	Not Tested	1	1	3	Not Available	4	6.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Diuron	Not Tested	3	2	3	Not Available	4	11.0
Dodine	Not Tested	2	1	1	Not Available	3	4.5
Emamectin	Not Tested	2	1	4	Not Available	3	6.8
Esfenvalerate	Not Tested	3	4	3	Not Available	3	9.8
Ethalfluralin	Not Tested	3	1	2	Not Available	4	9.0
Ethephon	Not Tested	3	1	1	Not Available	2	4.0
Ethofumesate	Not Tested	2	1	2	Not Available	2	3.5
Ethoxyquin	Not Tested	4	2	4	Not Available	2	7.0
Etridiazole .	Not Tested	4	1	4	Not Available	3	9.8
ETU	Not Tested	3	1	2	3	4	9.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Fenarimol	Not Tested	1	1	4	Not Available	3	5.3
Fenarimol metabolite B	Not Tested	1	1	4	Not Available	3	5.3
Fenarimol metabolite C	Not Tested	1	1	4	Not Available	3	5.3
Fenbuconazole	Not Tested	4	1	4	Not Available	3	9.8
Fenbutatin Oxide	Not Tested	2	1	4	Not Available	3	6.8
Fenoxaprop ethyl	Not Tested	3	1	4	Not Available	4	11.0
Fenpropathrin	Not Tested	4	1	1	Not Available	3	7.5
Fenridazon	Not Tested	2	1	2	Not Available	3	5.3
Fipronil	Not Tested	3	4	4	Not Available	4	14.0
Fluazifop-butyl	Not Tested	3	1	2	Not Available	3	6.8

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Fludioxanil	Not Tested	1	1	4	Not Available	1	1.8
Flufenacet (thiafluamide)	Not Tested	3	1	4	Not Available	3	8.3
Fluridone	Not Tested	2	1	2	Not Available	3	5.3
Fluroxypyr	Not Tested	2	1	1	Not Available	2	3.0
Fluthiacet-Methyl (CGA-248757)	Not Tested	1	1	1	Not Available	1	1.0
Flutolanil	Not Tested	2	1	4	Not Available	2	4.5
Fluvalinate	Not Tested	4	1	4	Not Available	3	9.8
Glufosinate-Ammonium	Not Tested	1	2	1	Not Available	3	3.8
Glyphosate	Not Tested	1	2	1	Not Available	1	1.3
Glyphosate-Trimesium	Not Tested	1	1	1	Not Available	2	2.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Halosulfuron	Not Tested	1	1	2	Not Available	2	2.5
Hexazinone	Not Tested	3	1	2	Not Available	3	6.8
HOE-061517	Not Tested	1	2	1	Not Available	3	3.8
HOE-099730	Not Tested	1	2	1	Not Available	3	3.8
Imazalil	Not Tested	4	4	4	Not Available	4	16.0
Imidacloprid	Not Tested	3	1	1	Not Available	3	6.0
IN-A3928	Not Tested	3	1	2	Not Available	3	6.8
IN-B2838	Not Tested	3	1	2	Not Available	3	6.8
Indoxacarb (DPX-MP062)	Not Tested	Not Available	1	Not Available	Not Available		0.0
IN-T3935	Not Tested	3	1	2	Not Available	3	6.8

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
IN-T3936	Not Tested	3	1	2	Not Available	3	6.8
IN-T3937	Not Tested	3	1	2	Not Available	3	6.8
Iprodione	Not Tested	3	1	3	Not Available	4	10.0
Iprodione isomer	Not Tested	3	1	3	Not Available	4	10.0
Iprodione metabolite	Not Tested	3	1	3	Not Available	4	10.0
Iprodione metabolite 2	Not Tested	3	1	3	Not Available	4	10.0
Isoxaflutole	Not Tested	4	1	3	Not Available	3	9.0
Kresoxim-methyl	Not Tested	4	1	4	Not Available	3	9.8
Maleic hydrazide	Not Tested	3	1	4	Not Available	1	2.8
Mancozeb	Not Tested	3	1	2	3	4	9.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Maneb	Not Tested	3	1	2	3	4	9.0
MB 45950	Not Tested	3	4	4	Not Available	4	14.0
MB 46136	Not Tested	3	4	4	Not Available	3	10.5
MB 46513	Not Tested	3	4	4	Not Available	4	14.0
MCPA	Not Tested	1	1	1	Not Available	4	4.0
Mepiquat chloride	Not Tested	3	1	1	Not Available	4	8.0
Methoprene	Not Tested	2	1	3	Not Available	2	4.0
Methoxychlor olefin	Not Tested	3	4	4	4	4	14.0
Methyl 3,5-dichlorobenzoate	Not Tested	3	1	4	Not Available	3	8.3
Metiram	Not Tested	3	1	2	3	4	9.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Metolachlor	Not Tested	3	1	3	3	4	10.0
Metsulfuron Methyl	Not Tested	1	1	1	Not Available	2	2.0
Myclobutanil, myclobutanil alcohol metabolite, myclobutanol dihydroxy metabolite	Not Tested	3	1	2	Not Available	2	4.5
N-(3,4-dichlorophenyl)-N'-methylurea	Not Tested	3	2	3	Not Available	4	11.0
N-(4-chloro-2-trifluoromethylphenyl)-propoxyacetamide	Not Tested	3	1	4	Not Available	3	8.3
Nicotine	Not Tested	1	1	3	Not Available	4	6.0
Nitrapyrin	Not Tested	1	1	4	Not Available	3	5.3
Norfluraxon, desmethyl-	Not Tested	3	1	1	Not Available	4	8.0
Norflurazon	Not Tested	3	1	1	Not Available	4	8.0
N-phenylurea	Not Tested	2	1	2	Not Available	4	7.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
NTN33823	Not Tested	3	1	1	Not Available	3	6.0
NTN35884	Not Tested	3	1	1	Not Available	3	6.0
Octyl bicycloheptene dicarboximide (MGK-264)	Not Tested	3	4	4	Not Available	3	10.5
Oxadiazon	Not Tested	3	1	4	Not Available	4	11.0
Oxyfluorfen	Not Tested	3	1	4	Not Available	4	11.0
Oxythioquinox	Not Tested	3	1	1	Not Available	4	8.0
Paraquat dichloride	Not Tested	3	1	1	Not Available	4	8.0
PB-7	Not Tested	2	1	1	Not Available	4	6.0
PB-9	Not Tested	2	1	2	Not Available	4	7.0
Phosalone oxon	Not Tested	4	1	3	Not Available	4	12.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Picloram	Not Tested	1	2	1	Not Available	2	2.5
Piperonyl butoxide	Not Tested	3	4	2	Not Available	3	9.0
PP 890	Not Tested	3	4	2	Not Available	4	12.0
Primisulfuron-methyl	Not Tested	2	1	1	Not Available	4	6.0
Propanil	Not Tested	1	1	3	Not Available	4	6.0
Propargite	Not Tested	3	1	2	Not Available	3	6.8
Propargite	Not Tested	3	1	2	Not Available	3	6.8
Propiconazole	Not Tested	4	1	3	Not Available	4	12.0
Propiconazole metabolite 1,2,4-triazole	Not Tested	4	1	3	Not Available	4	12.0
Propiconazole metabolite CGA 118244	Not Tested	4	1	3	Not Available	4	12.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Propiconazole metabolite CGA 91305	Not Tested	4	1	3	Not Available	4	12.0
Propyzamide	Not Tested	3	1	4	Not Available	3	8.3
Prosulfuron	Not Tested	1	1	3	Not Available	3	4.5
Pymetrozine	Not Tested	1	1	1	Not Available	1	1.0
Pyradostrobin	Not Tested	1	1	3	Not Available	2	3.0
Pyrazon	Not Tested	3	1	1	Not Available	4	8.0
Pyrazon metabolite A	Not Tested	3	1	2	Not Available	4	9.0
Pyrazon metabolite B	Not Tested	3	1	2	Not Available	4	9.0
Pyrethrin I	Not Tested	2	4	4	Not Available	3	9.0
Pyridaben	Not Tested	2	1	2	Not Available	4	7.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Pyriproxifen	Not Tested	1	1	4	Not Available	1	1.8
Quinclorac	Not Tested	2	1	2	Not Available	2	3.5
Quizalofop-ethyl	Not Tested	3	1	2	Not Available	4	9.0
SD 31723	Not Tested	2	1	4	Not Available	3	6.8
SD 33608	Not Tested	2	1	4	Not Available	3	6.8
SD 54597	Not Tested	3	4	3	Not Available	3	9.8
Sethoxydim	Not Tested	2	1	2	Not Available	2	3.5
Sethoxydim hydroxylate sulfone	Not Tested	2	1	2	Not Available	2	3.5
Sethoxydim sulfoxide	Not Tested	2	1	2	Not Available	2	3.5
Sodium acifluorfen	Not Tested	3	1	2	Not Available	3	6.8

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Spinosad	Not Tested	1	1	4	Not Available	1	1.8
Sulfosulfuron	Not Tested	2	1	1	Not Available	2	3.0
TCP=3,5,6-trichloro-2-pyridinol	Not Tested	3	2	1	Not Available	4	9.0
Tebuconazole	Not Tested	4	1	2	Not Available	3	8.3
Tebufenozide	Not Tested	3	1	4	Not Available	3	8.3
Tebuthiuron	Not Tested	2	1	2	Not Available	3	5.3
Teflubenzuron	Not Tested	Not Available	1	Not Available	Not Available		0.0
Terbacil	Not Tested	1	1	1	Not Available	3	3.0
Tetradifon	Not Tested	1	1	2	Not Available	4	5.0
Thiamethoxam	Not Tested	4	2	1	Not Available	4	11.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Thidiazuron	Not Tested	2	1	2	Not Available	4	7.0
Thiophanate methyl	Not Tested	3	1	2	Not Available	4	9.0
THPI	Not Tested	3	1	4	Not Available	4	11.0
Tralkoxydim	Not Tested	2	1	2	Not Available	2	3.5
Triadimefon	Not Tested	3	1	4	Not Available	4	11.0
Triadimefon metabolite KWG 1323	Not Tested	3	1	4	Not Available	4	11.0
Triadimefon metabolite KWG 1342	Not Tested	3	1	4	Not Available	4	11.0
Triadimefon metabolite KWG 1732	Not Tested	3	1	4	Not Available	4	11.0
Triadimenol (for metabolites see triadimefon)	Not Tested	3	1	4	Not Available	4	11.0
Triasulfuron	Not Tested	1	1	1	Not Available	3	3.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound / Compound Class	*Historical Testing for Violations*[1] *(V)*	*Regulatory Concern*[2] *(R)*	*Pre-Slaughter Interval*[3] *(P)*	*Bioconcentration*[4] *(B)*	*Endocrine Disruption*[5]	*Toxicity*[6] *(T)*	*(((2*R)+P+B)/4)*T*
Triazole analine	Not Tested	4	1	3	Not Available	4	12.0
Triazole lactic acid	Not Tested	4	1	3	Not Available	4	12.0
Triclopyr	Not Tested	3	2	1	Not Available	4	9.0
Trifloxystrobin	Not Tested	1	1	3	Not Available	2	3.0
Triflumazole	Not Tested	4	1	4	Not Available	3	9.8
Triphenyltin hydroxide	Not Tested	1	1	4	Not Available	4	7.0
WAK4103	Not Tested	3	1	1	Not Available	3	6.0

Table 25 - *continued*
Scoring Table for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

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[1] Scores for historical testing information for residue violations, *V*, are provided by USDA's Food Safety Inspection Service (FSIS).
[2] Scores for regulatory concern, *R*, are provided by FDA's Center for Veterinary Medicine (CVM).
[3] Scores for withdrawal time *P*, are provided by EPA.
[4] Scores for bioconcentration factor are provided by EPA.
[5] Scores for endocrine disruption are provided by EPA.
[6] Scores for toxicity are provided by EPA.
[7] 5-Hydroxythiabendazole, benomyl (as carbendazim), thiabendazole
[8] Not Tested = not scheduled for sampling by FSIS during the 10 year period, 01/01/1995 - 12/31/2004.
[9] Aldicarb, aldicarb sulfoxide, aldicarb sulfone, carbaryl, carbofuran, carbofuran 3-hydroxy
[10] Carbaryl 5,6-dihydroxy, chlorpropham, propham, thiobencarb, 4-chlorobenzylmethylsulfone,4-chlorobenzylmethylsulfone sulfoxide
[11] HCB, alpha-BHC, coumaphos, coumaphos oxon, lindane, heptachlor, dieldrin, aldrin, endrin, ronnel, linuron, oxychlordane, chlorpyrifos, nonachlor, heptachlor epoxide A, heptachlor epoxide B, endosulfan I, endosulfan I sulfate, endosulfan II, trans-chlordane, cis-chlordane, chlorfenvinphos, p,p'-DDE, p, p'-TDE, o,p'-DDT, p,p'-DDT, carbophenothion, captan, tetrachlorvinphos [stirofos], kepone, mirex, methoxychlor, phosalone, coumaphos-O, coumaphos-S, toxaphene, famphur, PCB 1242, PCB 1248, PCB 1254, PCB 1260, dicofol*, PBBs*, polybrominated diphenyl ethers*, deltamethrin*) (*identification only).
[12] Azinphos-methyl, azinphos-methyl oxon, chlorpyrifos, diazinon, diazinon oxon, diazinon met G-27550, dichlorvos, dimethoate, dimethoate oxon, dioxathion, ethion, ethion monooxon, fenthion, fenthion oxon, fenthion oxon sulfone, fenthion oxon sulfoxide, fenthion sulfone, fenthion sulfoxide, malathion, malathion oxon, naled, phosmet, phosmet oxon, pirimiphos-methyl, trichlorfon, tetrachlorvinphos, tetrachlorvinphos-4 metabolites, acephate, methamidophos, chlorpyrifos-methyl, fenamiphos, fenamiphos sulfoxide,fenamiphos sulfone, fenamiphos sulfoxide desisopropyl, fenamiphos sulfone desisopropyl, isofenphos, isofenphos oxon, isofenphos desisopropyl, isofenphos oxon desisopropyl, methidathion, ODM, parathion (ethyl), parathion oxon, parathion methyl, parathion methyl oxon, phorate, phorate oxon, phorate oxon sulfone, phorate oxon sulfoxide, phorate sulfone, phorate sulfoxide, profenofos, sulprofos, sulprofos oxon, sulprofos oxon sulfone, sulprofos oxon sulfoxide, sulprofos sulfone, sulprofos sulfoxide, tribufos (DEF).
[13] Cypermethrin, cis-permethrin, trans-permethrin, fenvalerate, zeta-cypermethrin.
[14] Atrazine, simazine, propazine, terbuthylazine
[15] Atrazine, chloro metabolites, metribuzin, metribuzin DADK, metribuzin DA, metribuzin DK, amitraz, amitraz 2,4-DMA metabs., desdiethyl simazine, desethyl simazine, simazine chloro metabs.

Table 26
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
1	Benzimidazole Pesticides – those compounds in the FSIS multi-residue method (MRM)[2]	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
2	Imazalil	16.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
3	Arsanilic acid	13.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
4	1,2,4-Triazole	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
5	Propiconazole metabolite 1,2,4-triazole	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
6	Triazole analine	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
7	Triazole lactic acid	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Based on Surveillance Advisory Team (SAT) expert opinion, compounds above this point represent more of a potential public health risk than is indicated by their priority scores.

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
8	Chlorinated hydrocarbons (CHCs) and chlorinated organophosphates (COPs) – those compounds in the FSIS multi-residue method (MRM)[3]	16.0	90, 300, 300, 300, 300, 300, 230, 230, and 230 samples are scheduled for horses, heifers, dairy cows, beef cows, sows, boars/stags, sheep and lambs, respectively.	908 samples are acheduled for cattle, pigs, sheep, goat, turkey, chicken and other fowls	3,188
9	Chlorinated organophosphates (COPs) and organo phosphates (OPs) - those compounds not in FSIS COP and OP multi-residue method (MRM)[4]	16.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
10	Triazines – those compounds not in FSIS triazine multi-residue method (MRM)[5]	15.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
11	Carbamates – those compounds in the FSIS carbamate triazine multi-residue method (MRM)[6]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
12	Synthetic Pyrethrins – those compounds in the FSIS synthetic pyrethrin multi-residue method (MRM)[7]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
13	1-(2,4-Dichlorophenyl)-2-(1H-imidazole-1-yl)-1-ethanol[8]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
14	1,1-(2,2-Dichloroethylidene)bis(4-methoxybenzene)[9]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
15	1-Methoxy-4-(1,2,2,2-tetrachloroethyl)benzene)[10]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
16	3-(1-(2,4-Dichlorophenyl)-2-(1H-imidazole-1-yl)ethoxy)-1,2-propane diol[11]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
17	Cyhalothrin, lambda	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
18	Fipronil[12]	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
19	MB45950	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
20	MB46513	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
21	Methoxychlor olefin	14.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
Based on consultation with Environmental Protection Agency (EPA) and other agencies, compounds below this point were not considered to represent a broad potential public health risk. However, some of these compounds may be sampled on a specific, as needed basis.					
22	Triazines – those compounds in the FSIS synthetic pyrethrin multi-residue method (MRM)[13]	13.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
23	Carbamates – those compounds not in the FSIS Carbamate multiresidue method (MRM)[14]	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
24	1-methyl cyromazine	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
25	2-(1-hydroxyethyl)-6-ethylaniline	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
26	2,6-Diethylaniline	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
27	Alachlor[15]	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
28	Cacodylic acid	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
29	CP 101394	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
30	CP 108064	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
31	CP 108065	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
32	CP 108267	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
33	CP 51214	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
34	Cyromazine[16]	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
35	Phosalone oxon	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
36	PP 890	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
37	Propiconazole	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
38	Propiconazole metabolite CGA 118244	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
39	Propiconazole metabolite CGA 91305	12.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
40	2-(4-((6-chloro-2-benzoxazolyl)oxy)phenoxy)propanoic acid	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
41	2-carboxyisopropyl-4-(2,4-dichloro)-5-isopropoxyphenyl)-1,3,4-oxadiazolin-5-one	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
42	2-t-butyl-4-(2,4-dichloro-5-hydroxyphenyl)-delta 2-1,3,4-oxadiazolin-1,3,4,5-one	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
43	3-(3,4-dichlorophenyl)-1-methoxyurea	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
44	3,4-dichloroaniline	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
45	3,4-dichlorophenylurea	11.0			
46	6-chloro-2,3-dihydro-benzoxazol-2-one	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
47	Bifenthrin	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
48	Bifenthrin, 4'-hydroxy	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
49	Bis(trichloromethyl)disulfide	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
50	Captan epoxide	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
51	Cyclanilide	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
52	Dialifor	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
53	Dialifor oxon	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
54	Dicamba	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
55	Diuron	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
56	Fenoxaprop ethyl	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
57	N-(3,4-dichlorophenyl)-N'-methylurea	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
58	Oxadiazon	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
59	Oxyfluorfen	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
60	Thiamethoxam	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
61	THPI	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
62	Triadimefon	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
63	Triadimefon metabolite KWG 1323	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
64	Triadimefon metabolite KWG 1342	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
65	Triadimefon metabolite KWG 1732	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
66	Triadimenol (for metabolites see triadimefon)	11.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
67	Cyfluthrin	10.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
68	MB 46136	10.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
69	Octyl bicycloheptene dicarboximide (MGK-264)	10.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
70	2-((2-ethyl-6-methylphenyl)-amino)-1-propanol	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
71	4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
72	Dioxathion	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
73	Iprodione	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
74	Iprodione isomer	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
75	Iprodione metabolite	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
76	Iprodione metabolite 2	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
77	Metolachlor	10.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
78	Difenoconazole	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
79	Esfenvalerate	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
80	Etridiazole .	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
81	Fenbuconazole	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
82	Fluvalinate	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
83	Kresoxim-methyl	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
84	SD 54597	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
85	Triflumazole	9.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
86	2-aminobenzimidazole	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
87	6-methyl-2,3-quinoxalinedithiol	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
88	Abamectin	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
89	Abamectin delta 8,9 geometric isomer	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
90	Allophanate	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
91	Carboxin	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
92	Carboxin sulfoxide	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
93	Ethalfluralin	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
94	ETU	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
95	Isoxaflutole	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
96	Mancozeb	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
97	Maneb	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
98	Metiram	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
99	Piperonyl butoxide	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
100	Pyrazon metabolite A	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
101	Pyrazon metabolite B	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
102	Pyrethrin I	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
103	Quizalofop-ethyl	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
104	TCP=3,5,6-trichloro-2-pyridinol	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
105	Thiophanate methyl	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
106	Triclopyr	9.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
107	3-carboxy-5-ethoxy-1,2,4-thiadiazole	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
108	4-chloro-2-trifluoromethylaniline	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
109	Chlorobenzilate	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
110	Flufenacet (thiafluamide)	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
111	Methyl 3,5-dichlorobenzoate	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
112	N-(4-chloro-2-trifluoromethylphenyl)-propoxyacetamide	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
113	Propyzamide	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
114	Tebuconazole	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
115	Tebufenozide	8.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
116	3-(2-chloro-4-hydroxyphenyl)-6-(2-chlorophenyl)-1,2,4,5-tetrazine	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
117	Bromoxynil	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
118	Clofentezine	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
119	Mepiquat chloride	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
120	Norfluraxon, desmethyl-	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
121	Norflurazon	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
122	Oxythioquinox	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
123	Paraquat dichloride	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
124	Pyrazon	8.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
125	Diphenylamine	7.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
126	Fenpropathrin	7.5	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
127	4-hydrocythidiazuron	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
128	Buprofezin	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
129	Cyclohexylstannoic acid	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
130	Cyhexatin	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
131	Dicyclohexyltin oxide	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
132	Diflubenzuron	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
133	Dipropyl isocinchomerate	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
134	Ethoxyquin	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
135	N-phenylurea	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
136	PB-9	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
137	Pyridaben	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
138	Thidiazuron	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
139	Triphenyltin hydroxide	7.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
140	1,1,3,3,-tetrakis(2-methyl-2-phenylpropyl)-1,3-dihydroxydistannoxane	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
141	2-amino-n-isopropylbenzamide	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
142	Acifluorfen, amino analog	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
143	Bentazon, 6-hydroxy bentazon, 8-hydroxy bentazon	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
144	Chlorsulfuron	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
145	Chlorsulfuron, 5-hydroxy-	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
146	Emamectin	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
147	Fenbutatin Oxide	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
148	Fluazifop-butyl	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
149	Hexazinone	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
150	IN-A3928	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
151	IN-B2838	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
152	IN-T3935	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
153	IN-T3936	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
154	IN-T3937	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
155	Propargite	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
156	Propargite	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
157	SD 31723	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
158	SD 33608	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
159	Sodium acifluorfen	6.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
160	6-chloronicotinic acid	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
161	Benoxacor	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
162	CGA 150829	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
163	CGA 171683	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
164	Dalapon	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
165	Diphenamid	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
166	Diphenamid, desmethyl	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
167	Diquat dibromide	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
168	Imidacloprid	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
169	Nicotine	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
170	NTN33823	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
171	NTN35884	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
172	PB-7	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
173	Primisulfuron-methyl	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
174	Propanil	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
175	WAK4103	6.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
176	6-chloropicolinic acid	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
177	Fenarimol	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
178	Fenarimol metabolite B	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
179	Fenarimol metabolite C	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
180	Fenridazon	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
181	Fluridone	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
182	Nitrapyrin	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
183	Tebuthiuron	5.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
184	Chlorfenapyr	5.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
185	Diflufenzopyr	5.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
186	Tetradifon	5.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
187	2,4-D	4.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
188	Dodine	4.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
189	Flutolanil	4.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
190	Myclobutanil, myclobutanil alcohol metabolite, myclobutanol dihydroxy metabolite	4.5	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
191	Prosulfuron	4.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
192	Difenzoquat	4.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
193	Ethephon	4.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
194	MCPA	4.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
195	Methoprene	4.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
196	2,5-dichloro-4-methoxyphenol	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
197	Chloroneb	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
198	Chloroneb, hydroxy-	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
199	Clofencet	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
200	Glufosinate-Ammonium	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
201	HOE-061517	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
202	HOE-099730	3.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
203	2,3-dihydro-3,3-dimethyl-2-oxo-5-benzofuranyl methyl sulfonate	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
204	2-hydroxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methyl sulfonate	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
205	Butylamine, sec-	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
206	Compound 125670	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
207	Ethofumesate	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
208	Quinclorac	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
209	Sethoxydim	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
210	Sethoxydim hydroxylate sulfone	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
211	Sethoxydim sulfoxide	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
212	Tralkoxydim	3.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
213	3-t-butyl-5-chloro-6-hydroxymethyluracil	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
214	6-chloro-2,3-dihydro-3,3,7-trimethyl-5H-oxazolo(3,2a)pyrimidin-5-one	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
215	6-chloro-2,3-dihydro-7-hydroxymethyl-3,3-dimethyl-5H-oxazolo(3,2-a)pyrimidin-5-one	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
216	Azoxystrobin	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
217	Azoxystrobin Z isomer	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
218	CGA 161149	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
219	CGA 195654	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
220	Cloprop	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
221	Dimethenamid	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
222	Dimethipin	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
223	Fluroxypyr	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
224	Pyradostrobin	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
225	Sulfosulfuron	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
226	Terbacil	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
227	Triasulfuron	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
228	Trifloxystrobin	3.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
229	Maleic hydrazide	2.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
230	Clopyralid	2.5	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
231	Halosulfuron	2.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
232	Picloram	2.5	Not in the 2007 NRP.	Not in the 2007 NRP.	
233	Clethodim		Not in the 2007 NRP.	Not in the 2007 NRP.	
234	Glyphosate-Trimesium	2.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
235	Metsulfuron Methyl	2.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
236	Carfentrazone Ethyl	1.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
237	Fludioxanil	1.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
238	Pyriproxifen	1.8	Not in the 2007 NRP.	Not in the 2007 NRP.	

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Rank	*Compound / Compound Class*[1]	*Score*	*Status in the 2007 NRP*		*Total*
			Domestic Scheduled Sampling	*Import Scheduled sampling*	
239	Spinosad	1.8	Not in the 2007 NRP.	Not in the 2007 NRP.	
240	Aminomethylphosphonic acid	1.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
241	Glyphosate	1.3	Not in the 2007 NRP.	Not in the 2007 NRP.	
242	Bensulfuron methyl ester		Not in the 2007 NRP.	Not in the 2007 NRP.	
243	Fluthiacet-Methyl (CGA-248757)	1.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
244	Pymetrozine	1.0	Not in the 2007 NRP.	Not in the 2007 NRP.	
245	Indoxacarb (DPX-MP062)		Not in the 2007 NRP.	Not in the 2007 NRP.	
246	Teflubenzuron				

Table 26 - *continued*
Rank and Status for Pesticides
2007 FSIS NRP, Domestic Scheduled Sampling Plan

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[1] Only those pesticides that have been designated as representing a broad potential public health risk are included in this summary table. For a complete list of pesticides that were considered for the 2006 NRP, see Table 28.
[2] 5-Hydroxythiabendazole, benomyl (as carbendazim), and thiabendazole.
[3] HCB, alpha-BHC, lindane, heptachlor, dieldrin, aldrin, endrin, ronnel, linuron, oxychlordane, chlorpyrifos, nonachlor, heptachlor epoxide A, heptachlor epoxide B, endosulfan I, endosulfan I sulfate, endosulfan II, trans-chlordane, cis-chlordane, chlorfenvinphos, p,p'-DDE, p, p'-TDE, o,p'-DDT, p,p'-DDT, carbophenothion, captan, tetrachlorvinphos [stirofos], kepone, mirex, methoxychlor, phosalone, coumaphos-O, coumaphos-S, toxaphene, famphur, PCB 1242, PCB 1248, PCB 1254, PCB 1260, dicofol*, PBBs*, polybrominated diphenyl ethers*, deltamethrin*) (*identification only).
[4] Regulatory method is needed; Azinphos-methyl, azinphos-methyl oxon, chlorpyrifos, coumaphos, coumaphos oxon, diazinon, diazinon oxon, diazinon met G-27550, dichlorvos, dimethoate, dimethoate oxon, dioxathion, ethion, ethion monooxon, fenthion, fenthion oxon, fenthion oxon sulfone, fenthion oxon sulfoxide, fenthion sulfone, fenthion sulfoxide, malathion, malathion oxon, naled, phosmet, phosmet oxon, pirimiphos-methyl, trichlorfon, tetrachlorvinphos, tetrachlorvinphos-4 metabolites, acephate, methamidophos, chlorpyrifos-methyl, fenamiphos, fenamiphos sulfoxide,fenamiphos sulfone, fenamiphos sulfoxide desisopropyl, fenamiphos sulfone desisopropyl, isofenphos, isofenphos oxon, isofenphos desisopropyl, isofenphos oxon desisopropyl, methidathion, ODM, parathion (ethyl), parathion oxon, parathion methyl, parathion methyl oxon, phorate, phorate oxon, phorate oxon sulfone, phorate oxon sulfoxide, phorate sulfone, phorate sulfoxide, profenofos, sulprofos, sulprofos oxon, sulprofos oxon sulfone, sulprofos oxon sulfoxide, sulprofos sulfone, sulprofos sulfoxide, tribufos (DEF).
[5] Regulatory method is needed; Atrazine chloro metabolites, metribuzin, metribuzin DADK, metribuzin DA, metribuzin DK, amitraz, amitraz 2,4-DMA metabs., desdiethyl simazine, desethyl simazine, simazine chloro metabolites.
[6] Regulatory method is needed; Aldicarb, aldicarb sulfoxide, aldicarb sulfone, carbaryl, carbofuran, carbofuran, 3-hydroxy.
[7] Cypermethrin, *cis*-permethrin, *trans*-permethrin, fenvalerate, *zeta*-cypermethrin.
[8] Regulatory method is needed.
[9] Regulatory method is needed.
[10] Regulatory method is needed.
[11] Regulatory method is needed.
[12] Regulatory method is needed.
[13] Regulatory method is needed; Atrazine, simazine, propazine, terbuthylazine.
[14] Carbaryl 5,6-dihydroxy, chlorpropham, propham, thiobencarb, 4-chlorobenzylmethylsulfone,4-chlorobenzylmethylsulfone sulfoxide
[15] Method is available.
[16] Method is available.

Table 27
Pesticide Compound/Production Class Pairs, Sorted by Sampling Priority Score, with Adjusted Number of Analyses
2007 FSIS NRP, Domestic Scheduled Sampling Plan

Compound Class	*Production Class*	*Priority Score*	*Unadjusted Number of Samples*	*First Adjustment*[1]	*Adjusted Number*[2]	*Second Adjustment*[3]	*Third Adjustment*[4]	*Final*[5]
CHCs/COPs	Heifers	117.74	300		300			300
CHCs/COPs	Beef cows	50.48	300		300			300
CHCs/COPs	Dairy cows	22.24	300		300			300
CHCs/COPs	Sows	16.48	300		300			300
CHCs/COPs	Lambs	2.78	230		230			230
CHCs/COPs	Boars/Stags	1.12	230		300			300
CHCs/COPs	Equine	0.46	90		90			90
CHCs/COPs	Goats	0.46	230		230			230
CHCs/COPs	Sheep	0.16	230		230			230
Totals			**2280**		**2280**			**2280**

[1] Adjustment based on FSIS Historical Testing Information (refer to text discussion in Section 4); +1 level or -1 level. There are three sampling levels: 90, 230 and 300. Sampling levels were increased or decreased based on the rules described in the section, *Design of the Domestic Scheduled Sampling Plan for Pesticides*.
[2] Number of samples proposed following adjustment for lack of testing information.
[3] Adjustment for Laboratory Capacity as discussed in the section, *Design of the Domestic Scheduled Sampling Plan for Pesticides*
[4] Adjustment for Production Volume as discussed in the section, *Design of the Domestic Scheduled Sampling Plan for Pesticides*
[5] Final adjustment numbers were obtained following an assessment of laboratory capacity and production volume. In addition, FSIS has suspended scheduled sampling for CHCs/COPs in bob veal, horses and minor species (ducks, ratites, geese, rabbits, and squab) for the 2006 NRP

Design of the Import Scheduled Sampling Plan for Pesticides

I. Selecting and Ranking Candidate Pesticides

The list of compounds of concern for the import scheduled sampling plan is identical to that for the Domestic Scheduled Sampling Plan (*Table 25*). In ranking pesticides for inclusion in the import scheduled sampling plan, FSIS chose to employ the ranking scores generated for the domestic scheduled sampling plan because FSIS does not have sufficient historical data on pesticides in imported products to predict their violation rates. However, if FSIS has reason to believe that a compound is being misused in a foreign country then it would add that compound/country pair to the import scheduled sampling plan.

II. Prioritizing Candidate Pesticides

The list of high priority compounds chosen for the import scheduled sampling plan by the Surveillance Advisory Team (SAT) is the same as that for the domestic plan. Once the high-priority compounds and compound classes had been identified, FSIS applies non-public health considerations to determine which compounds FSIS should sample. The principal non-public health factor was the availability of laboratory resources, especially the availability of appropriate analytical methods within the FSIS laboratories. Based on these constraints, only the chlorinated hydrocarbon/chlorinated organophosphate (CHCs/COPs) compound class can be included in the 2007 NRP. The compounds that can be identified by this multiresidue method (MRM) are listed in the section, *Design of the Domestic Scheduled Sampling Plan for Pesticides*.

III. Identifying the Compound/Production Class (C/PC) Pairs

As with the domestic scheduled sampling plan, the import sampling for CHCs and COPs is used as a means of monitoring incidents of accidental and environmental contamination.

IV. Allocation of Sampling Resources

Egg Products

The samples for residue analysis for imported egg products are selected in a different manner than the other product classes. In order to establish a history of compliance with the U.S. requirements for each category for egg products, the first ten shipments from individual foreign establishments are subjected to 100 % reinspection. If the egg product is in compliance, the rate of inspection is reduced to a random selection of one reinspection out of eight product lots from each foreign establishment. This reinspection rate will continue as long as the product is in compliance.

Animal Product Classes

Table 8, Estimated Annual Amount (in lbs.) of Product Imported, lists the estimated amounts of all product classes imported into the U.S. and the percentage of each of the product classes. The percentage of each product class imported annually is calculated using the following equation:

Equation 15

$$\%\ \text{Specific Product Class Imported}(P_C) = \frac{\text{Amount of Specific Product Class Imported}}{\text{Total Product Imported}} \times 100$$

The relative sampling priority is obtained by multiplying the percent product class imported (P_C) by the pesticide scores, using the following equation:

Equation 16

Relative Sampling Priority = (P_C) x Pesticide Score

Based on the scores, one of the following sampling options is chosen: (1) high regulatory concern (300 analyses/year); (2) moderate regulatory concern (230 samples/year); or (3) low regulatory concern (90 samples/year). This is indicated in *Table 25, Number of Pesticide Samples/Product Class,* in the column "Number of Samples."

In the import scheduled sampling plan, FSIS will not test processed products (1) from foreign countries eligible to ship fresh products to the United States; and (2) from eligible countries in which the source of raw materials is from other foreign countries that are eligible to ship fresh products and are actively exporting to the United States. Processed pork from Canada, Denmark, Ireland, Mexico, Netherlands; varied combination products and processed chicken from Canada and processed beef from Australia, Canada, Mexico, New Zealand and Uruguay will not be sampled since the raw materials used are from the fore mentioned countries eligible to ship raw products to the U.S.

If a product class represents less than one percent (by weight) of total combined U.S. imports of meat, poultry and egg products, then the total number of samples analyzed for any compound or compound class is eight times the number of countries from which that product is imported. For example, if veal fresh is imported from only three countries and the amount imported is 0.10 % relative to total U.S. imports, 24 samples of veal fresh would be taken for each analysis, eight samples from each country.

The adjusted number of samples is listed in *Table 25, Number of Pesticide Samples/Product Class*, in the column labeled "Adjusted Number. of Samples." The final number of samples for a compound/product class is obtained after the allocation of samples among different countries is completed. The final number of samples is listed in *Table 25* in the column labeled "Final Number of Samples." The numbers in columns labeled "Adjusted Number of Samples" and "Final Number of Samples" may vary slightly because of the rounding upwards or downwards of the samples.

Allocation of Samples among Different Countries

The total number of samples chosen for each compound/product class pair is subdivided among the different countries. The number of samples for each country is based on the relative amount of total product class imported: less than one percent and greater than one percent.

Allocation of Samples in Product Classes where the Total Volume Imported is Less Than 1%

If the amount of an import product class is less than 1% in a specific country, eight samples per compound/compound class are taken from that country. The relative amounts of lamb/mutton processed, goat fresh, turkey fresh and processed, varied combination fresh and processed are less than 1%. Also, as stated above, if a country is exporting both fresh and processed products or sources all their raw materials from eligible sources then no residue samples will be scheduled for the

processed products from that country. The numbers of samples per country per product class for each compound/compound class are listed in *Tables 29-41*.

Allocation if Samples in Product Classes where the Total Volume Imported is Greater than 1%

For major product classes, the number of samples was allocated to each country depending upon the relative amount of product imported from that country. *Table 9, Estimated Annual Amount (in lbs.) of Product Imported/Country*, lists the amount of product imported from each country. The percent of a product class imported from a country was calculated as follows and is in *Table 10, Relative Annual Amount of Product Imported/Country.*

Equation 17

$$\text{Percent Product Class Imported per Country } (P_{C/C}) = \frac{\text{Amount of Product Class from Country}}{\text{Total Amount of Product Class}} \times 100$$

Based upon the relative amount of product class imported per country, the number of samples that should be taken at the port of entry was calculated using the following formula:

Equation 18

$$\text{Unadjusted Number of Samples per Country } (U_{C/S}) = \frac{\text{Total Number of Samples}}{100} \times (P_{C/C})$$

This is indicated in the column labeled "Unadjusted Number of Samples ($U_{C/S}$)," in *Tables 29-41*.

After the determining of the number of samples required from each country, each country with less than eight samples was assigned a minimum of eight samples. This is indicated in the column labeled "Adjustment # 1" in *Tables 29-41*. The results of this adjustment are in the column labeled "Initial Adj." If the total number of samples for a compound/product class resulted in more than the total number of samples allocated to that compound/product class pair, then a second adjustment had to be made so that the total number of samples would be within an allocated number. This adjustment was made only to those countries from which greater than eight samples were to be taken. This adjustment will be accomplished by using the following equation:

Equation 19

$$\text{Number of Samples after Adjustment Number 2} = (U_{C/S}) - \frac{[N \times (P_{C/C})]}{(P_{T/C})}$$

where,

$N = (N_1) - (N_T)$
N_1 = Total Number of Samples after Adjustment #1
N_T = Total Number of Samples Allocated
$P_{T/C}$ = Total Percent of Product Class from the Countries That Had Greater Than Eight Samples
$P_{C/C}$ = Percent Product Class Imported per Country
$U_{C/S}$ = Unadjusted Number of Samples

If a country is exporting both fresh and processed products or sources all of their raw materials from eligible sources, then no residue samples will be processed from that country.

Table 28
Number of Pesticide Samples/Product Class
2007 FSIS NRP, Import Monitoring Plan

No. of Countries	Product	Pesticide	Pesticide Score	Percent Product	Relative Sampling Priority	Number of Samples	Adjusted Number of Samples	Final Number of Samples
9	Beef, fresh	CHCs/COPs	16	58.32	933.17	300	300	304
7	Beef, processed	CHCs/COPs	16	6.19	99.09	90	90	75
10	Pork, fresh	CHCs/COPs	16	20.65	330.47	230	230	231
15	Pork, processed	CHCs/COPs	16	4.66	74.64	90	90	72
3	Veal, fresh	CHCs/COPs	16	1.60	25.52	90	90	0
3	Veal, processed	CHCs/COPs	16	0.0002	0.00	90	24	0
5	Lamb/Mutton, fresh	CHCs/COPs	16	4.4	70.14	90	90	90
4	Lamb/Mutton, processed	CHCs/COPs	16	0.01	0.20	90	32	24
3	Goat, fresh	CHCs/COPs	16	0.1	1.02	90	24	24
2	Turkey , fresh	CHCs/COPs	16	0.20	3.22	90	16	8
1	Chicken, fresh	CHCs/COPs	16	1.10	18.08	90	90	8
3	Chicken, processed	CHCs/COPs	16	1.80	28.66	90	90	16
3	Turkey, processed	CHCs/COPs	16	0.33	5.25	90	24	24
1	Varied combination, fresh	CHCs/COPs	16	0.01	0.10	90	8	8
4	Varied combination, processed	CHCs/COPs	16	0.50	8.50	90	32	24
	Total/country			100.00%		**1700**	**1230**	**908**

Table 29
Number of Samples/Product Class – Pork Processed
2007 FSIS NRP, Import Monitoring Plan

PORK PROCESSED/ CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Argentina	0.02	0	8
Belgium	1.14	1	0[1]
Brazil	0.05	0	8
Canada	69.00	62	0[1]
Croatia	0.18	0	8
Denmark	13.00	12	0[1]
France	0.06	0	8
Germany	0.58	1	8
Hungary	0.76	1	8
Italy	2.93	3	8
Mexico	1.47	1	0[1]
Netherlands	2.91	3	0[1]
Poland	6.89	6	8
Spain	0.55	0	8
Total	**99.54**	**90**	**72**

Table 30
Number of Samples/Product Class – Mutton/Lamb Processed
2007 FSIS NRP, Import Monitoring Plan

MUTTON/LAMB, PROCESSED/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Australia	36	0	0[1]
France	0.44	8	8
Mexico	5.4	8	8
New Zealand	39	0	0[1]
Uruguay	19	8	8
Total	**99.84**	**24**	**24**

Table 31
Number of Samples /Product Class - Goat, Fresh
2007 Import Residue Plan

GOAT, FRESH/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Australia	94	8	8
Mexico	0.01	8	8
New Zealand	5.84	8	8
Total	**99.85**	**24**	**24**

Table 32
Number of Samples /Product Class – Turkey, Fresh
2007 Import Residue Plan

TURKEY, FRESH/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Canada	100	8	8
Total		**8**	**8**

Table 33
Number of Samples /Product Class – Turkey, Processed
2007 Import Residue Plan

TURKEY, FRESH/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Canada	64	8	0[1]
France	0.04	8	8
Israel	10	8	8
Mexico	26	8	8
Total	**100.04**	**32**	**24**

Table 34
Number of Samples /Product Class – Chicken, Fresh
2007 Import Residue Plan

CHICKEN, FRESH/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Canada	100	8	8
Total		**8**	**8**

Table 35
Number of Samples /Product Class – Varied Combination, Fresh
2007 Import Residue Plan

VARIED COMBINATIONS, FRESH/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Canada	100	8	8
Total		**8**	**8**

Table 36
Number of Samples /Product Class - Varied Combination, Processed
2007 FSIS NRP, Import Monitoring Plan

VARIED COMBINATION, PROCESSED/CHC/COP	PERCENT PRODUCT	UNADJUSTED NUMBER OF SAMPLES	FINAL NUMBER OF SAMPLES
Australia	0.15	8	8
Canada	82.42	8	0[1]
France	0.25	8	8
Mexico	17.16	8	8
Total	**99.98**	**32**	24

Table 37
Number of Samples/Product Class - Beef, Fresh
2007 FSIS NRP, Import Monitoring Plan

BEEF, FRESH/ CHC/COP	PERCENT PRODUCT ($P_{C/C}$)	UNADJUSTED NUMBER OF SAMPLES (U) = 300*[($P_{C/C}$)/100]	ADJUSTMENT #1 (8 MINIMUM/ COUNTRY)	INITIAL ADJ.#	ADJUST. # 2	FINAL NUMBER OF SAMPLES
Australia	28.44	85.32	0	78	78	78
Canada	33.25	99.75	0	91	91	91
Costa Rica	0.78	2.34	8	8	8	8
Honduras	0.1	0.3	8	8	8	8
Japan	0	0	8	8	8	8
Mexico	0.74	2.22	8	8	8	8
New Zealand	16.36	49.08	0	45	45	45
Nicaragua	1.91	5.73	8	8	8	8
Uruguay	18.42	55.26	0	50	50	50
Total	**100**	**300**	**40**	**304**	**304**	**304**

Table 38
Number of Samples/Product Class - Beef, Processed
2007 FSIS NRP, Import Monitoring Plan

BEEF, PROCESSED/ CHC/COP	PERCENT PRODUCT ($P_{C/C}$)	UNADJUSTED NUMBER OF SAMPLES (U) = 90*[($P_{C/C}$)/100]	ADJUSTMENT #1 (8 MINIMUM/ COUNTRY)	INITIAL ADJ.#	ADJUST. # 2	FINAL NO OF SAMPLES
Argentina	29.14	27	0	27	26	26
Australia	1.27	1.143	0	0	0	0
Brazil	53.27	47.943	0	50	46	49
Canada	5.76	5.184	0	0	1	0
Mexico	2.99	2.691	0	0	0	0
New Zealand	2.75	2.475	0	0	0	0
Uruguay	4.82	4.338	0	0	0	0
Total	**100**	**63.774**	**0**	**77**	**74**	**75**

Table 39
Number of Samples/Product Class - Pork, Fresh
2007 FSIS NRP, Import Monitoring Plan

PORK, FRESH/ CHC/COP	PERCENT PRODUCT ($P_{C/C}$)	UNADJUSTED NUMBER OF SAMPLES ($U_{c/s}$) =230*[($P_{C/C}$)/100]	ADJUSTMENT #1 (8 MINIMUM/ COUNTRY)	INITIAL ADJ.#	ADJUST. # 2	FINAL NO OF SAMPLES
Australia	0.02	0.046	1	8	8	8
Canada	88	202.4	202	202	152	152
Denmark	9.19	21.137	21	21	15	15
Finland	0.4	0.92	1	8	8	8
Ireland	0.59	1.357	1	8	8	8
Mexico	0.27	0.621	1	8	8	8
Netherlands	0.55	1.265	1	8	8	8
New Zealand	0.02	0.046	1	8	8	8
Sweden	0.14	0.322	1	8	8	8
United Kingdom	0.25	0.575	1	8	8	8
Total	**99.43**	**230**	**231**	**287**	**231**	**231**

Table 40
Number of Samples /Product Class - Lamb/Mutton, Fresh
2007 FSIS NRP, Import Monitoring Plan

LAMB/ MUTTON, FRESH/ CHC/COP	PERCENT PRODUCT ($P_{C/C}$)	UNADJUSTED NUMBER OF SAMPLES ($U_{c/s}$) =90*[($P_{C/C}$)/100]	ADJUSTMENT #1 (8 MINIMUM/ COUNTRY)	INITIAL ADJ.#	ADJUST. # 2	FINAL NO OF SAMPLES
Australia	76.32	68.688	69	69	51	51
Canada	0.22	0.198	0	8	8	8
Iceland	0.11	0.099	0	8	8	8
Mexico	0.01	0.009	0	8	8	8
New Zealand	23.32	20.988	21	21	15	15
Total	99.98	**89.982**	**90**	**114**	**90**	**90**

Table 41
Number of Samples/Product Class - Chicken, Processed
2007 FSIS NRP, Import Monitoring Plan

CHICKEN, PROCESSED/ CHC/COP	PERCENT PRODUCT ($P_{C/C}$)	UNADJUSTED NUMBER OF SAMPLES (U)= 90*[($P_{C/C}$)/100]	ADJUSTMENT #1 (8 MINIMUM/ COUNTRY)	INITIAL ADJ.#	ADJUST.# 2	FINAL NO OF SAMPLES
Australia	76.32	68.688	69	69	51	51
Canada	0.22	0.198	0	8	8	8
Iceland	0.11	0.099	0	8	8	8
Mexico	0.01	0.009	0	8	8	8
New Zealand	23.32	20.988	21	21	15	15
Total	**99.98**	**89.982**	**90**	**114**	**90**	**90**

Scheduled Sampling Plans for Environmental and Processing Contaminants

A. Environmental Contaminants

- Heavy metals
- Mycotoxins

B. Processing Contaminants

- Nitrosamines
- Maillard reaction products (from charring)
- Compounds migrating from packaging
- Polyaromatic hydrocarbons
- Breakdown products of oils used in deep frying

Heavy metals were identified by the Surveillance Advisory Team as meriting inclusion in the NRP. FSIS will conduct a exploratory assessment of the heavy metals, lead and cadmium in the production class, "Mature Chickens." An exploratory assessment sampling for lead and cadmium began in 2003 (October through December; heifers and dairy cows) and continued through 2004 (boars and stags, dairy cows, heifers, and mature chickens), 2005 for steers, 2006 for mature chickens and 2007 for mature turkeys. Sampling for 2007 is summarized in Table 42.

No processing contaminants have been designated for analysis in year 2007.

Even if a contaminant is not scheduled for inclusion in the FSIS NRP, should a contamination incident occur during the year, FSIS can initiate residue sampling as part of an exploratory assessment plan.

Table 42
2007 FSIS NRP Domestic Specifically Designed Survey
Number of Samples/Product Class for Lead and Cadmium

Production Class	**Compound**	**Number of Samples**
Mature Turkeys	Lead	300
Mature Turkeys	Cadmium	300
Total		**600**

Sampling Plan for Exploratory Assessments

Bob Veal Antibiotic Retained (BOVAR)

Bob veal antibiotic retained (BOVAR) is a scheduled sampling exploratory assessment that is reactive to the unacceptable antibiotic violation rate obtained from previous scheduled sampling exposure assessments for bob veal calves. There are two purposes for BOVAR. The first is to determine what effect condemning antibiotic violative bob veal calf carcasses will have on the violation rate of the scheduled sampling for antibiotics in bob veal calves. The hypothesis is that BOVAR will reduce the antibiotic violation rate in scheduled sampling of bob veal calves. Further analysis will be necessary to verify that Establishment Hazard Analysis and Critical Control Point (HACCP) Plans are in control. The second purpose of BOVAR is to initiate hold and test in bob veal calves to assess the implementation.

Table 43

2007 FSIS NRP Exploratory Domestic Assessments for Bob Veal Antibiotic Retained (BOVAR)

Compound or Compound Class	*Production Class*	*Number of Samples*
Antibiotics	Bob veal calves	312
Total	**Total Samples**	**312**

Summary of Domestic and Import Sampling Plans

Domestic Sampling Plan

The number of scheduled samples for veterinary drugs, environmental contaminants and pesticides in all production classes is listed in *Table 44, Domestic Sampling Plan: Summary I, 2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments*. The table also specifies, for each combination of compound and production class, which FSIS laboratory will be conducting the analyses and the sampling plan type. For the convenience of the reader, this information is also presented in summary form (including all sampling numbers, but not including the laboratory and sampling plan designation), in *Table 45, Detailed Sampling Plan: Summary II, 2007 FSIS NRP, Domestic Sampling and Exploratory Assessments*.

Import Sampling Plan

The final detailed import plan sample numbers for all compounds (veterinary drugs, pesticides and unavoidable contaminants), in all production classes and all countries, are listed in *Table 46, Summary, 2007 FSIS NRP, Import Monitoring Plan*. A summary of the total number of samples per compound per production class is presented in *Table 47, Number of Compounds/Product Class, 2007 FSIS NRP, Import Monitoring Plan.* In *Table 48, Number of Samples/Country/Product Class, 2007 FSIS NRP, Import Monitoring Plan*, the number of samples per country per production class is listed.

A summary of all sampling plans (domestic and import) is provided in *Table 49, Combined Summary, 2007 FSIS NRP, Domestic and Import Sampling Plans and Exploratory Assessment.*

Table 44
Domestic Sampling Plan: Summary I
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Analysis	Lab	Production Class	Number of Samples	Plan Type
Antibiotics by Bioassay	ML	Market hogs		Not Scheduled
Antibiotics by Bioassay	ML	Dairy cows	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Formula-fed veal	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Young chickens	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Steers		Not Scheduled
Antibiotics by Bioassay	ML	Heifers	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Young turkeys	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Bob veal		Scheduled Sampling
Antibiotics by Bioassay	ML	Horses	90	Scheduled Sampling
Antibiotics by Bioassay	ML	Beef cows	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Sows	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Lambs		Not Scheduled
Antibiotics by Bioassay	ML	Roaster pigs	230	Scheduled Sampling
Antibiotics by Bioassay	ML	Bison		Not Scheduled
Antibiotics by Bioassay	ML	Ratites		Not Scheduled
Antibiotics by Bioassay	ML	Rabbits		Not Scheduled
Antibiotics by Bioassay	ML	Bulls		Not Scheduled
Antibiotics by Bioassay	ML	Mature chickens		Not Scheduled
Antibiotics by Bioassay	ML	Ducks		Not Scheduled
Antibiotics by Bioassay	ML	Boars/stags	300	Scheduled Sampling
Antibiotics by Bioassay	ML	Mature turkeys		Not Scheduled
Antibiotics by Bioassay	ML	Goats		Not Scheduled
Antibiotics by Bioassay	ML	Heavy calves	230	Scheduled Sampling
Antibiotics by Bioassay	ML	Sheep		Not Scheduled
Antibiotics by Bioassay	ML	Non-formula-fed veal	230	Scheduled Sampling
Antibiotics by Bioassay	ML	Geese		Not Scheduled
Antibiotics by Bioassay	ML	Squab		Not Scheduled
Total Antibiotics by Bioassay			**3,180**	

Table 44 - *continued*
Domestic Sampling Plan: Summary I
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Analysis	Lab	Production Class	Number of Samples	Plan Type
Avermectins	EL	Steers	300	Scheduled Sampling
Avermectins	EL	Horses	90	Scheduled Sampling
Avermectins	EL	Market hogs		Not Scheduled
Avermectins	EL	Heifers	300	Scheduled Sampling
Avermectins	EL	Dairy cows	300	Scheduled Sampling
Avermectins	EL	Beef cows		Not Scheduled
Avermectins	EL	Bulls	300	Scheduled Sampling
Avermectins	EL	Lambs	230	Scheduled Sampling
Avermectins	EL	Goats	230	Scheduled Sampling
Avermectins	EL	Sows		Not Scheduled
Avermectins	EL	Formula-fed veal		Not Scheduled
Avermectins	EL	Bob veal		Not Scheduled
Avermectins	EL	Heavy calves	300	Scheduled Sampling
Avermectins	EL	Roaster pigs		Not Scheduled
Avermectins	EL	Bison		Not Scheduled
Avermectins	EL	Ratites		Not Scheduled
Avermectins	EL	non-Formula-fed veal	230	Scheduled Sampling
Avermectins	EL	Boars/stags		Not Scheduled
Avermectins	EL	Sheep	230	Scheduled Sampling
Total Avermectins			**2,510**	
Arsenicals	EL	Young chickens	300	Scheduled Sampling
Arsenicals	EL	Young turkeys		Not Scheduled
Arsenicals	EL	Egg products		Not Scheduled
Arsenicals	EL	Market hogs	300	Scheduled Sampling
Arsenicals	EL	Beef cows		Not Scheduled
Arsenicals	EL	Goats		Not Scheduled
Arsenicals	EL	Sows		Not Scheduled
Arsenicals	EL	Mature chickens		Not Scheduled
Arsenicals	EL	Ducks		Not Scheduled
Arsenicals	EL	Roaster pigs		Not Scheduled
Arsenicals	EL	Boars/stags		Not Scheduled
Arsenicals	EL	Mature turkeys		Not Scheduled
Arsenicals	EL	Geese		Not Scheduled
Total Arsenicals	**EL**		**600**	

Table 44 - *continued*
Domestic Sampling Plan: Summary I
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Analysis	Lab	Production Class	Number of Samples	Plan Type
Sulfonamides	EL	Market hogs	300	Scheduled Sampling
Sulfonamides	EL	Steers	300	Scheduled Sampling
Sulfonamides	EL	Egg products		Not Scheduled
Sulfonamides	EL	Dairy cows	300	Scheduled Sampling
Sulfonamides	EL	Beef cows	300	Scheduled Sampling
Sulfonamides	EL	Sows		Not Scheduled
Sulfonamides	EL	Bulls	300	Scheduled Sampling
Sulfonamides	EL	Young chickens	300	Scheduled Sampling
Sulfonamides	EL	Lambs	300	Not Scheduled
Sulfonamides	EL	Boars/stags		Not Scheduled
Sulfonamides	EL	Mature turkeys	300	Scheduled Sampling
Sulfonamides	EL	Bob veal	300	Scheduled Sampling
Sulfonamides	EL	Roaster pigs	300	Scheduled Sampling
Sulfonamides	EL	Sheep	300	Scheduled Sampling
Sulfonamides	EL	Goats	300	Scheduled Sampling
Sulfonamides	EL	Heavy calves	300	Scheduled Sampling
Sulfonamides	EL	Young turkeys	300	Scheduled Sampling
Sulfonamides	EL	Non-formula-fed veal	300	Scheduled Sampling
Total Sulfonamides			**4500**	
Carbadox	WL	Market hogs	300	Scheduled Sampling
Carbadox	WL	Roaster pigs	300	Scheduled Sampling
Total Carbadox			**600**	

Table 44 - *continued*
Domestic Sampling Plan: Summary I
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Analysis	Lab	Production Class	Number of Samples	Plan Type
CHCs/COPs	WL	Horses	90	Scheduled Sampling
CHCs/COPs	WL	Young chickens		Not Scheduled
CHCs/COPs	WL	Market hogs		Not Scheduled
CHCs/COPs	WL	Steers		Not Scheduled
CHCs/COPs	WL	Heifers	300	Scheduled Sampling
CHCs/COPs	WL	Young turkeys		Not Scheduled
CHCs/COPs	WL	Egg products		Not Scheduled
CHCs/COPs	WL	Dairy cows	300	Scheduled Sampling
CHCs/COPs	WL	Beef cows	300	Scheduled Sampling
CHCs/COPs	WL	Sows	300	Scheduled Sampling
CHCs/COPs	WL	Bulls		Not Scheduled
CHCs/COPs	WL	Mature chickens		Not Scheduled
CHCs/COPs	WL	Roaster pigs		Not Scheduled
CHCs/COPs	WL	Lambs	230	Scheduled Sampling
CHCs/COPs	WL	Formula-fed veal		Not Scheduled
CHCs/COPs	WL	Ducks		Not Scheduled
CHCs/COPs	WL	Boars/stags	300	Scheduled Sampling
CHCs/COPs	WL	Mature turkeys		Not Scheduled
CHCs/COPs	WL	Goats	230	Scheduled Sampling
CHCs/COPs	WL	Bob veal		Not Scheduled
CHCs/COPs	WL	Heavy calves		Not Scheduled
CHCs/COPs	WL	Bison		Not Scheduled
CHCs/COPs	WL	Sheep	230	Scheduled Sampling
Total CHCs/COPs			**2280**	

Table 44 - *continued*
Domestic Sampling Plan: Summary I
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Analysis	Lab	Production Class	Number of Samples	Plan Type
Chloramphenicol	EL	Dairy cows	300	Scheduled Sampling
Chloramphenicol	EL	Formula-fed veal	300	Scheduled Sampling
Chloramphenicol	EL	Young Chickens	300	Scheduled Sampling
Chloramphenicol	EL	Young Turkeys	300	Scheduled Sampling
Total Chloramphenicol			**1200**	
beta-Agonists[1]	WL	Heifers	300	Scheduled Sampling
beta-Agonists	WL	Formula-fed veal	300	Scheduled Sampling
beta-Agonists	WL	Non-Formula-fed veal	300	Scheduled Sampling
beta-Agonists	WL	Bob veal	300	Scheduled Sampling
Total *beta*-Agonists[1]			**1200**	
Florfenicol	EL	Dairy cows	300	Scheduled Sampling
Florfenicol	EL	Formula-fed veal	300	Scheduled Sampling
Florfenicol	EL	non-Formula-fed veal	230	Scheduled Sampling
Total Florfenicol			**830**	
Total Lead and Cadmium	**EL**	**Mature turkeys**	**300**	**Exploratory Assessment**
Total Melengesterol Acetate (MGA)	**WL**	**Heifers**	**300**	**Scheduled Sampling**
Nitrofurans	WL	Market hogs	300	Scheduled Sampling
Nitrofurans	WL	Sows	300	Scheduled Sampling
Nitrofurans	WL	Roaster Pigs	300	Scheduled Sampling
Total Nitrofurans			**900**	
Total Nitroimidazoles	**EL**	**Young chickens**	**300**	
Total Thyreostats	**EL**	**Formula fed veal**	**300**	**Scheduled Sampling**
Total Trenbolone	**ML**	**Formula-fed veal**	**300**	**Scheduled Sampling**
Total Zeranol	**ML**	**Formula-fed veal**	**300**	**Scheduled Sampling**

Key:
CHCs = Chlorinated hydrocarbons
COPs = Chlorinated organophosphates
EL = FSIS Eastern Laboratory, Athens, GA
ML = FSIS Midwestern Laboratory, St. Louis, MO
WL = FSIS Western Laboratory, Alameda, CA
FDA = Food and Drug Administration, National Center for Toxicological Research, Jefferson, AR
MGA = Melengesterol acetate
FAST samples will be screened for Phenylbutazone and flunixins as part of enforcement program

Table 45
Domestic Sampling Plan: Summary II
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Production Class	Antibiotics	Arsenicals	Avermectins	ß-Agonists	Carbadox	CHCs/COPs
Bulls			300			
Beef cows	300					300
Dairy cows	300		300			300
Heifers	300		300	300		300
Steers			300			
Bob veal						
Formula-fed veal	300			300		
Non-Formula-fed veal	230		230	300		
Heavy calves	230		300			
Subtotal, Cattle	**1660**	**0**	**1,730**	**900**	**0**	**900**
Market hogs		300		300	300	
Roaster pigs	230				300	
Boars/Stags	300					300
Sows	300					300
Subtotal, Swine	**830**	**300**	**0**	**300**	**600**	**600**
Sheep			230			230
Lambs			230			230
Goats			230			230
Subtotal, Ovine	**0**	**0**	**690**	**0**	**0**	**690**
Horses	90		90			90
Bison						
Subtotal, Other Livestock	**90**	**0**	**90**	**0**	**0**	**90**
Total, All Livestock	**2,580**	**300**	**2,510**	**900**	**600**	**2280**
Young chickens	300	300				
Mature chickens						
Young turkeys	300					
Mature turkeys						
Ducks						
Geese						
Ratites						
Squab						
Subtotal, Poultry	**600**	**300**	**0**	**0**	**0**	**0**
Rabbits						
Egg products						
Total, All Production Classes	**3,180**	**600**	**2,510**	**1,200**	**600**	**2,280**

Table 45 - *continued*
Domestic Sampling Plan: Summary II
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Production Class	Chloramphenicol	Florfenicol	Flunixin	Lead and Cadmium
Bulls				
Beef cows				
Dairy cows	300	300		
Heifers				
Steers				
Bob veal				
Formula-fed veal	300	300		
non-Formula-fed veal		230		
Heavy calves				
Subtotal, Cattle	**600**	**830**	**0**	**0**
Market hogs				
Roaster pigs				
Boars/Stags				
Sows				
Subtotal, Swine	**0**	**0**	**0**	**0**
Goats				
Sheep				
Lambs				
Subtotal, Ovine	**0**	**0**	**0**	**0**
Horses				
Bison				
Subtotal, Other Livestock	**0**	**0**	**0**	**0**
Total, All Livestock	**600**	**830**	**0**	**0**
Young chickens	300			
Mature chickens				
Young turkeys	300			
Mature turkeys				300
Ducks				
Geese				
Ratites				
Squab				
Subtotal, Poultry	**600**	**0**	**0**	**300**
Rabbits				
Egg products				
Total, All Production Classes	**1,200**	**830**	**0**	**300**

Table 45 - *continued*
Domestic Sampling Plan: Summary II
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Production Class	Melengesterol acetate (MGA)	Nitrofurans	Nitroimidazoles	Phenylbutazone (ELISA)
Bulls				
Beef cows				
Dairy cows				
Heifers	300			
Steers				
Bob veal				
Formula-fed veal				
non-Formula-fed veal				
Heavy calves				
Subtotal, Cattle	**300**	**0**	**0**	**0**
Market hogs		300		
Roaster pigs		300		
Boars/Stags				
Sows		300		
Subtotal, Swine	**0**	**900**	**0**	**0**
Sheep				
Lambs				
Goats				
Subtotal, Ovine	**0**	**0**	**0**	**0**
Horses				
Bison				
Subtotal, Other Livestock	**0**	**0**	**0**	**0**
Total, All Livestock	**300**	**900**	**0**	**0**
Young chickens				
Mature chickens				
Young turkeys			300	
Mature turkeys				
Ducks				
Geese				
Ratites				
Squab				
Subtotal, Poultry	**0**	**0**	**300**	**0**
Rabbits				
Egg products				
Total, All Production Classes	**300**	**900**	**300**	**0**

Table 45 - *continued*
Domestic Sampling Plan: Summary II
2007 FSIS NRP, Domestic Scheduled Sampling and Exploratory Assessments

Production Class	Sulfonamides	Thyreostats	Trenbolone	Zeranol
Bulls	300			
Beef cows	300			
Dairy cows	300			
Heifers				
Steers	300			
Bob veal	300			
Formula-fed veal	230	300	230	230
non-Formula-fed veal	300			
Heavy calves	300			
Subtotal, Cattle	**2,330**	**300**	**230**	**230**
Market hogs	300			
Roaster pigs	300			
Boars/Stags				
Sows				
Subtotal, Swine	**600**	**0**	**0**	**0**
Sheep	300			
Lambs	300			
Goats	300			
Subtotal, Ovine	**900**	**0**	**0**	**0**
Horses				
Bison				
Subtotal, Other Livestock	**0**	**0**	**0**	**0**
Total, All Livestock	**3,830**	**300**	**230**	**230**
Young chickens	300			
Mature chickens				
Young turkeys	300			
Mature turkeys	300			
Ducks				
Geese				
Ratites				
Squab				
Subtotal, Poultry	**900**	**0**	**0**	**0**
Rabbits				
Egg products				
Total, All Production Classes	**4,730**	**300**	**230**	**230**

Table 46
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
Australia	Beef Fresh	Antibiotics	78
Canada	Beef Fresh	Antibiotics	91
Costa Rica	Beef Fresh	Antibiotics	8
Honduras	Beef Fresh	Antibiotics	8
Japan	Beef Fresh	Antibiotics	8
Mexico	Beef Fresh	Antibiotics	8
New Zealand	Beef Fresh	Antibiotics	45
Nicaragua	Beef Fresh	Antibiotics	8
Uruguay	Beef Fresh	Antibiotics	50
Australia	Beef Fresh	Avermectins	78
Canada	Beef Fresh	Avermectins	91
Costa Rica	Beef Fresh	Avermectins	8
Honduras	Beef Fresh	Avermectins	8
Japan	Beef Fresh	Avermectins	8
Mexico	Beef Fresh	Avermectins	8
New Zealand	Beef Fresh	Avermectins	45
Nicaragua	Beef Fresh	Avermectins	8
Uruguay	Beef Fresh	Avermectins	50
Australia	Beef Fresh	CHCs/COPs	78
Canada	Beef Fresh	CHCs/COPs	91
New Zealand	Beef Fresh	CHCs/COPs	45
Australia	Beef Fresh	Chloramphenicol	10
Canada	Beef Fresh	Chloramphenicol	12
Costa Rica	Beef Fresh	Chloramphenicol	8
Honduras	Beef Fresh	Chloramphenicol	8
Japan	Beef Fresh	Chloramphenicol	8
Mexico	Beef Fresh	Chloramphenicol	8
New Zealand	Beef Fresh	Chloramphenicol	8
Nicaragua	Beef Fresh	Chloramphenicol	8
Uruguay	Beef Fresh	Chloramphenicol	8
Australia	Beef Fresh	Florfenicol	5
Canada	Beef Fresh	Florfenicol	5
COUNTRY	**PRODUCT**	**COMPOUND**	**NUMBER OF SAMPLES**
Costa Rica	Beef Fresh	Florfenicol	5
Honduras	Beef Fresh	Florfenicol	5
Japan	Beef Fresh	Florfenicol	5
Mexico	Beef Fresh	Florfenicol	5

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
New Zealand	Beef Fresh	Florfenicol	5
Nicaragua	Beef Fresh	Florfenicol	5
Uruguay	Beef Fresh	Florfenicol	5
Australia	Beef Fresh	Flunixin	10
Canada	Beef Fresh	Flunixin	12
Costa Rica	Beef Fresh	Flunixin	8
Honduras	Beef Fresh	Flunixin	8
Japan	Beef Fresh	Flunixin	8
Mexico	Beef Fresh	Flunixin	8
New Zealand	Beef Fresh	Flunixin	8
Nicaragua	Beef Fresh	Flunixin	8
Uruguay	Beef Fresh	Flunixin	8
Australia	Beef Fresh	Sulfonamides	78
Canada	Beef Fresh	Sulfonamides	91
Costa Rica	Beef Fresh	Sulfonamides	8
Honduras	Beef Fresh	Sulfonamides	8
Japan	Beef Fresh	Sulfonamides	8
Mexico	Beef Fresh	Sulfonamides	8
New Zealand	Beef Fresh	Sulfonamides	45
Nicaragua	Beef Fresh	Sulfonamides	8
Uruguay	Beef Fresh	Sulfonamides	50
Argentina	Beef Processed	Avermectins	26
Brazil	Beef Processed	Avermectins	49
Argentina	Beef Processed	Sulfonamides	26
Brazil	Beef Processed	Sulfonamides	49
Costa Rica	Beef, Fresh	CHCs/COPs	8
Honduras	Beef, Fresh	CHCs/COPs	8
Japan	Beef, Fresh	CHCs/COPs	8
Mexico	Beef, Fresh	CHCs/COPs	8
Nicaragua	Beef, Fresh	CHCs/COPs	8
Uruguay	Beef, Fresh	CHCs/COPs	50
Argentina	Beef, Processed	CHCs/COPs	26
Brazil	Beef, Processed	CHCs/COPs	49
Canada	Chicken Fresh	Antibiotics	8
Canada	Chicken Fresh	Arsenicals	8
Canada	Chicken Fresh	CHCs/COPs	8
Canada	Chicken Fresh	Chloramphenicol	8
Canada	Chicken Fresh	Nitroimidazole	8

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
Israel	Chicken Processed	Arsenicals	8
Mexico	Chicken Processed	Arsenicals	8
Israel	Chicken Processed	CHCs/COPs	8
Mexico	Chicken Processed	CHCs/COPs	8
Australia	Goat Fresh	Avermectins	8
Mexico	Goat Fresh	Avermectins	8
New Zealand	Goat Fresh	Avermectins	8
Australia	Goat Fresh	CHCs/COPs	8
Mexico	Goat Fresh	CHCs/COPs	8
New Zealand	Goat Fresh	CHCs/COPs	8
Australia	Mutton/Lamb Fresh	Avermectins	51
Canada	Mutton/Lamb Fresh	Avermectins	8
Australia	Mutton/Lamb Fresh	CHCs/COPs	51
Canada	Mutton/Lamb Fresh	CHCs/COPs	8
Iceland	Mutton/Lamb Fresh	CHCs/COPs	8
Mexico	Mutton/Lamb Fresh	CHCs/COPs	8
New Zealand	Mutton/Lamb Fresh	CHCs/COPs	15
France	Mutton/Lamb Processed	CHCs/COPs	8
Uruguay	Mutton/Lamb Processed	CHCs/COPs	8
Iceland	Mutton/Lamb, Fresh	Avermectins	8
Mexico	Mutton/Lamb, Fresh	Avermectins	8
New Zealand	Mutton/Lamb, Fresh	Avermectins	15
Australia	Pork Fresh	Antibiotics	8
Canada	Pork Fresh	Antibiotics	152
Denmark	Pork Fresh	Antibiotics	15
Finland	Pork Fresh	Antibiotics	8
Ireland	Pork Fresh	Antibiotics	8
Mexico	Pork Fresh	Antibiotics	8
Netherlands	Pork Fresh	Antibiotics	8
New Zealand	Pork Fresh	Antibiotics	8
Sweden	Pork Fresh	Antibiotics	8
United Kingdom	Pork Fresh	Antibiotics	8
Australia	Pork Fresh	Arsenicals	8
Canada	Pork Fresh	Arsenicals	25
Denmark	Pork Fresh	Arsenicals	8
Finland	Pork Fresh	Arsenicals	8
Ireland	Pork Fresh	Arsenicals	8
Mexico	Pork Fresh	Arsenicals	8

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
Netherlands	Pork Fresh	Arsenicals	8
New Zealand	Pork Fresh	Arsenicals	8
Sweden	Pork Fresh	Arsenicals	8
United Kingdom	Pork Fresh	Arsenicals	8
Australia	Pork Fresh	CHCs/COPs	8
Canada	Pork Fresh	CHCs/COPs	152
Denmark	Pork Fresh	CHCs/COPs	15
Finland	Pork Fresh	CHCs/COPs	8
Ireland	Pork Fresh	CHCs/COPs	8
Mexico	Pork Fresh	CHCs/COPs	8
Netherlands	Pork Fresh	CHCs/COPs	8
New Zealand	Pork Fresh	CHCs/COPs	8
Sweden	Pork Fresh	CHCs/COPs	8
United Kingdom	Pork Fresh	CHCs/COPs	8
Australia	Pork fresh	ß-agonists	3
Canada	Pork fresh	ß -agonists	3
Denmark	Pork fresh	ß -agonists	3
Finland	Pork fresh	ß-agonists	3
Ireland	Pork fresh	ß -agonists	3
Mexico	Pork fresh	ß-agonists	3
Netherlands	Pork fresh	ß -agonists	3
New Zealand	Pork fresh	ß -agonists	3
Sweden	Pork fresh	ß -agonists	3
United Kingdom	Pork fresh	ß-agonists	3
Australia	Pork Fresh	Sulfonamides	8
Canada	Pork Fresh	Sulfonamides	152
Denmark	Pork Fresh	Sulfonamides	15
Finland	Pork Fresh	Sulfonamides	8
Ireland	Pork Fresh	Sulfonamides	8
Mexico	Pork Fresh	Sulfonamides	8
Netherlands	Pork Fresh	Sulfonamides	8
New Zealand	Pork Fresh	Sulfonamides	8
Sweden	Pork Fresh	Sulfonamides	8
Canada	Pork Fresh	Arsenicals	25
Denmark	Pork Fresh	Arsenicals	8
Finland	Pork Fresh	Arsenicals	8
Ireland	Pork Fresh	Arsenicals	8
Mexico	Pork Fresh	Arsenicals	8

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
Netherlands	Pork Fresh	Arsenicals	8
New Zealand	Pork Fresh	Arsenicals	8
Sweden	Pork Fresh	Arsenicals	8
United Kingdom	Pork Fresh	Arsenicals	8
Australia	Pork Fresh	CHCs/COPs	8
Canada	Pork Fresh	CHCs/COPs	152
Denmark	Pork Fresh	CHCs/COPs	15
Finland	Pork Fresh	CHCs/COPs	8
Ireland	Pork Fresh	CHCs/COPs	8
Mexico	Pork Fresh	CHCs/COPs	8
Netherlands	Pork Fresh	CHCs/COPs	8
New Zealand	Pork Fresh	CHCs/COPs	8
Sweden	Pork Fresh	CHCs/COPs	8
United Kingdom	Pork Fresh	CHCs/COPs	8
Australia	Pork fresh	B-agonists	3
Canada	Pork fresh	B-agonists	3
Denmark	Pork fresh	B-agonists	3
Finland	Pork fresh	B-agonists	3
Ireland	Pork fresh	B-agonists	3
Mexico	Pork fresh	B-agonists	3
Netherlands	Pork fresh	B-agonists	3
New Zealand	Pork fresh	B-agonists	3
Sweden	Pork fresh	B-agonists	3
United Kingdom	Pork fresh	B-agonists	3
Australia	Pork Fresh	Sulfonamides	8
Canada	Pork Fresh	Sulfonamides	152
Denmark	Pork Fresh	Sulfonamides	15
Finland	Pork Fresh	Sulfonamides	8
Ireland	Pork Fresh	Sulfonamides	8
Mexico	Pork Fresh	Sulfonamides	8
Netherlands	Pork Fresh	Sulfonamides	8
New Zealand	Pork Fresh	Sulfonamides	8
Sweden	Pork Fresh	Sulfonamides	8
United Kingdom	Pork Fresh	Sulfonamides	8
Argentina	Pork Processed	CHCs/COPs	8
Brazil	Pork Processed	CHCs/COPs	8
Belgium	Pork Processed	CHCs/COPs	8
Croatia	Pork Processed	CHCs/COPs	8

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
France	Pork Processed	CHCs/COPs	8
Germany	Pork Processed	CHCs/COPs	8
Hungary	Pork Processed	CHCs/COPs	8
Italy	Pork Processed	CHCs/COPs	8
Poland	Pork Processed	CHCs/COPs	8
Spain	Pork Processed	CHCs/COPs	8
Argentina	Pork Processed	Sulfonamides	8
Belgium	Pork Processed	Sulfonamides	8
Brazil	Pork Processed	Sulfonamides	8
Croatia	Pork Processed	Sulfonamides	8
Denmark	Pork Processed	Sulfonamides	0
France	Pork Processed	Sulfonamides	8
Germany	Pork Processed	Sulfonamides	8
Hungary	Pork Processed	Sulfonamides	8
Italy	Pork Processed	Sulfonamides	8
Poland	Pork Processed	Sulfonamides	8
Spain	Pork Processed	Sulfonamides	8
Canada	Turkey Fresh	Antibiotics	8
Canada	Turkey Fresh	Arsenicals	8
Canada	Turkey Fresh	CHCs/COPs	8
Canada	Turkey Fresh	Chloramphenicol	8
Canada	Turkey Fresh	Sulfonamides	8
Israel	Turkey Processed	Arsenicals	8
Israel	Turkey Processed	Sulfonamides	8
Mexico	Turkey, Fresh	Antibiotics	8
Mexico	Turkey, Fresh	Arsenicals	8
Mexico	Turkey, Fresh	Chloramphenicol	8
Mexico	Turkey, Fresh	Sulfonamides	8
Mexico	Turkey, Fresh	CHCs/COPs	8
France	Turkey, processed	CHCs/COPs	8
Israel	Turkey, processed	CHCs/COPs	8
Australia	Varied combination Processed	CHCs/COPs	8
France	Varied combination Processed	CHCs/COPs	8
Mexico	Varied combination Processed	CHCs/COPs	8
Canada	Varied combination, Fresh	Antibiotics	8
Canada	Varied Combination, Fresh	CHCs/COPs	8
Canada	Varied combination, Fresh	Sulfonamides	8
Australia	Varied combination, Processed	Sulfonamides	8

Table 46 - *Continued*
Import Sampling Plan Summary
2007 FSIS NRP, Import Sampling Plan

COUNTRY	PRODUCT	COMPOUND	NUMBER OF SAMPLES
Mexico	Varied combination, Processed	Sulfonamides	8
New Zealand	Varied combination, Processed	Sulfonamides	8
Australia	Veal Fresh	Antibiotics	13
Canada	Veal Fresh	Antibiotics	38
New Zealand	Veal Fresh	Antibiotics	39
Australia	Veal fresh	Avermectins	13
Canada	Veal fresh	Avermectins	38
New Zealand	Veal fresh	Avermectins	39
Australia	Veal fresh	Chloramphenicol	13
Canada	Veal fresh	Chloramphenicol	38
New Zealand	Veal fresh	Chloramphenicol	39
Australia	Veal fresh	B-agonists	13
Canada	Veal fresh	B-agonists	38
New Zealand	Veal fresh	B-agonists	39
Australia	Veal fresh	Sulfonamides	13
Canada	Veal fresh	Sulfonamides	38
New Zealand	Veal fresh	Sulfonamides	39
Australia	Veal fresh	Thyreostats	13
Canada	Veal fresh	Thyreostats	38
New Zealand	Veal fresh	Thyreostats	39
Australia	Veal fresh	Zeranol	13
Canada	Veal fresh	Zeranol	38
New Zealand	Veal fresh	Zeranol	39
Total			3,752

Table 47
Import Sampling Plan: Number of Compound/Production Class Summary
2007 FSIS NRP, Import Sampling Plan

PRODUCTION CLASS	AB	AVM	AS	ß-A	CHMP	FLF	FLNX	NTM	SLF	THY	ZRNL	CHCs/ COPs	TOTAL
Beef, fresh	304	304			78	45	78		304			304	1417
Beef, processed		75							75			75	225
Pork, fresh	231		97	30					231			231	820
Pork, processed									80			72	152
Veal, fresh	90	90		90	90				90	90	90		630
Veal, processed	0								0				0
Lamb/Mutton, fresh		90										90	180
Lamb/Mutton, processed		0										24	24
Goat, fresh		24										24	48
Turkey , fresh	16		16		16				16			8	72
Chicken, fresh	8		8		8			8				8	40
Chicken, processed			16									16	32
Turkey, processed			8						8			24	40
Varied combination, fresh	8								8			24	40
Varied combination, processed									24			8	32
Total/country	**657**	**583**	**145**	**120**	**192**	**45**	**78**	**8**	**836**	**90**	**90**	**908**	**3,752**

AB=Antibiotics; AS= Arsenic; AVM=Avermectins; ß-A= ß-agonist; CHMP=Chloramphenicol; FLF=Florofenicol; FLNX = Flunixin; RCT= Ractopamine; THY= Thyreostats; NTM= Nitroimidazoles; SLF=Sulfonamides; ZRNL= Zeranol; CHC/COP =Chlorinated hydrocarbons/Organophosphates

Table 48
Number of Samples/Country/Production Class-Summary
2007 FSIS NRP, Import Sampling Plan

Country	Beef, fresh	Beef, processed	Pork, fresh	Pork, processed	Veal, fresh	Veal, processed	Lamb/Mutton, fresh	Lamb/Mutton, processed	Goat, fresh	Turkey, fresh	Chicken, fresh	Chicken, processed	Turkey, processed	Varied combination, fresh	Varied combination, processed	Total
Argentina		78		16												**94**
Australia	337		35		91		102		16						16	**597**
Belgium				8												**8**
Brazil		147		16												**163**
Canada	393		484		266		16			40	40			24		**1263**
Costa Rica	53															**53**
Croatia				16												**16**
Denmark			56													**56**
Finland			35													**35**
France				16				8					8		8	**40**
Germany				16												**16**
Honduras	53															**53**
Hungary				16												**16**
Iceland							16									**16**
Ireland			35													**35**
Israel												16	24			**40**
Italy				16												**16**
Japan	53			0												**53**
Mexico	53		35	0			16	8	16	32		16	8		16	**200**
Netherlands			35	0												**35**
New Zealand	201		35		273		30		16						8	**563**
Nicaragua	53															**53**
Poland				16												**16**
Spain				16												**16**
Sweden			35													**35**
United Kingdom			35													**35**
Uruguay	221							8								**229**
Total	**1417**	**225**	**820**	**152**	**630**	**0**	**180**	**24**	**48**	**72**	**40**	**32**	**40**	**24**	**48**	**3752**

Table 49
Combined Summary
2007 FSIS NRP Domestic and Import Scheduled Sampling, and Exploratory Assessments

Lab	*Analysis*	*Number of Scheduled Domestic Samples*	*Number of Scheduled Imported Samples*	*Number of Scheduled Samples for Exploratory Assessments*	*Total Number of Samples*	*Notes*
ML	Antibiotics	3,180	657	312	3,769	300, 300, 300, 300, 230, 230, 230, 300, 300, 90, 300, 300 samples are scheduled for beef cows, dairy cows, heifers, formula-fed veal, non-formula-fed veal, heavy calves, roaster pigs, boars and stags, sows, equine, young chickens, and young turkeys[1], respectively.
						Import Scheduled Sampling: Cattle, pigs, chicken, turkey and other fowl
EL	Arsenicals	600	145	300	745	*Domestic Scheduled Sampling*: 300 samples each are scheduled for market hogs and roaster pigs
						Import Scheduled Sampling: Samples are scheduled for Pork, turkey fresh, chicken fresh, turkey processed and chicken processed
EL	Avermectins	2,510	583		3093	*Domestic Scheduled Sampling*: 300, 300, 300, 300, 300, 230, 230, 230, 230, and 90 samples are scheduled for steers, heifers, dairy cows, bulls, heavy calves, non-formula-fed veal, sheep, lambs, goats, and equine, respectively.
						Import Scheduled Sampling: Samples are scheduled for fresh beef, processed beef, fresh veal, fresh lamb and mutton, and fresh goat
WL	ß-Agonists[1]	1200	120		1320	*Domestic Scheduled Sampling*: 300 samples each are scheduled for heifers, formula-fed veal, non-formula-fed veal, and market hogs. Conformation done by FDA.

[1]This method applicable to identification of B-agonists in bovine retinal tissue (except for zilpaterol); bovine, porcine, ovine and caprine liver; and bovine and porcine muscle at ≥ 3 ppb for clenbuterol, salbutamol, and cimaterol; ≥ 6 ppb for zilpaterol; and ≥ 21 ppb for ractopamine. Although method is validated for retina and eye balls are not being collected for the 2007 NRP.

Table 49 - *continued*
Combined Summary
2007 FSIS NRP Domestic and Import Scheduled Sampling, and Exploratory Assessments

Lab	*Analysis*	*Number of Scheduled Domestic Samples*	*Number of Scheduled Imported Samples*	*Number of Scheduled Samples for Exploratory Assessments*	*Total Number of Samples*	*Notes*
						Import Scheduled Sampling: Samples are scheduled for veal fresh and pork fresh.
WL	Carbadox	600			600	*Domestic Scheduled Sampling*: 300 samples each are scheduled for market hogs and roaster pigs. *Import Scheduled Sampling*: No samples are scheduled for the 2007 NRP
EL	Chloramphenicol	1200	192		1,392	*Domestic Scheduled Sampling*: 300 samples each are scheduled for dairy cows, formula-fed veal, young chickens, and young turkeys *Import Scheduled Sampling*: Samples are scheduled for beef fresh, veal fresh, turkey fresh and chicken fresh
WL	CHCs/COPs and phenylbutazone	2,280	908		3,188	*Domestic Scheduled Sampling*: 90, 300, 300, 300, 300, 300, 230, 230, and 230 samples are scheduled for equine, heifers, dairy cows, beef cows, sows, boars and stags, goats, sheep, and lambs, respectively *Import Scheduled Sampling*: 908 samples are scheduled for fresh and processed beef, fresh and processed pork, fresh and processed lamb mutton, fresh goat, fresh turkey, fresh and processed chicken, processed turkey, and fresh and processed varied combo
WL	Dipyrone					*Domestic Scheduled Sampling*: No samples are scheduled for the 2007 NRP *Import Scheduled Sampling*: No samples are scheduled for the 2007 NRP
EL	Florfenicol	830	45		875	*Domestic Scheduled Sampling*: 300, 300, and 230 samples are scheduled for dairy cows, formula-fed veal, and non-formula-fed veal, respectively. *Import Scheduled Sampling*: 45 samples are scheduled for the beef fresh for 2007 NRP. Unavailability of tissue for analysis (Liver)
WL	Flunixin		78		78	*Domestic Scheduled Sampling*: All FAST positive samples are screened for flunixin.

Table 49 - *continued*
Combined Summary
2007 FSIS NRP Domestic and Import Scheduled Sampling, and Exploratory Assessments

Lab	*Analysis*	*Number of Scheduled Domestic Samples*	*Number of Scheduled Imported Samples*	*Number of Scheduled Samples for Exploratory Assessments*	*Total Number of Samples*	*Notes*
						Import Scheduled Sampling: 78 samples are scheduled for beef fresh for the 2007 NRP. Unavailability of tissue for analysis (Liver)
ML	Fluoroquinolones[2]					*Domestic Scheduled Sampling*: No samples are scheduled for the 2006 NRP *Import Scheduled Sampling*: No samples are scheduled for the 2006 NRP.
EL	Lead and Cadmium			300 + 300	600	*Domestic Scheduled Sampling*: 300 samples are scheduled for mature turkeys. *Import Scheduled Sampling*: No samples are scheduled for the 2006 NRP. Unavailability of tissue for analysis (kidney)
WL	Melengestrol Acetate (MGA)	300			300	*Domestic Scheduled Sampling*: 300 samples are scheduled for heifers. *Import Scheduled Sampling*: No samples are scheduled for the 2007 NRP. Unavailability of tissue for analysis (Fat)
WL	Nitrofurans	900			830	*Domestic Scheduled Sampling*: 300, 300, and 300 samples are scheduled for market hogs, sows, and roaster pigs, respectively. *Import Scheduled Sampling*: No samples are scheduled for the 2006 NI Unavailability of tissue for analysis (Liver)
EL	Nitroimidazoles	300	8		308	*Domestic Scheduled Sampling*: 300 samples are scheduled for young chickens. *Import Scheduled Sampling*: Chicken fresh
WL	Phenylbutazone by Immunoassay					*Domestic Scheduled Sampling*: All FAST positive samples are screened for phenylbutazone *Import Scheduled Sampling*: No samples are scheduled for the 2006 NRP. Unavailability of tissue for analysis (Kidney)
EL	Sulfonamides	4,500	836		5536	*Domestic Scheduled Sampling*: 300 samples each are scheduled for market hogs, steers, dairy cows, beef cows, bulls, mature turkeys, bob veal, roaster pigs, non-formula-fed veal, young chickens, young turkeys, sheep, lambs, goats and heavy calves, respectively

[2] Fluoroquinolones (enrofloxacin and danofloxacin) are approved for use steers and heifers.

Table 49 - *continued*
Combined Summary
2007 FSIS NRP Domestic and Import Scheduled Sampling, and Exploratory Assessments

Lab	*Analysis*	*Number of Scheduled Domestic Samples*	*Number of Scheduled Imported Samples*	*Number of Scheduled Samples for Exploratory Assessments*	*Total Number of Samples*	*Notes*
						Import Scheduled Sampling: 836 samples are scheduled for fresh beef, processed beef, fresh pork, processed pork, fresh veal, fresh turkey, processed turkey, fresh varied combo, and processed varied combo
EL	Thyreostats	300	90		390	*Domestic Scheduled Sampling*: 300 samples are scheduled for formula fed veal. *Import Scheduled Sampling*: 90 samples are veal fresh
MWL	Trenbolone	230			230	*Domestic Scheduled Sampling*: 230 samples are scheduled for formula-fed veal *Import Scheduled Sampling*: No samples are scheduled for the 2006 NRP. Unavailability of tissue for analysis (Liver)
MWL	Zeranol	230	90		320	*Domestic Scheduled Sampling*: 300 samples are scheduled for formula-fed veal *Import Scheduled Sampling*: Cattle (veal)
Total		**19130**	**3752**	**1212**	**24094**	

Key:
FDA = Food and Drug Administration
CHCs = Chlorinated hydrocarbons; COPs = Chlorinated organophosphates
EL = FSIS Eastern Laboratory, Athens, GA
ML = FSIS Midwestern Laboratory, St. Louis, MO
WL = FSIS Western Laboratory, Alameda, CA
ARS-RRVARC = Agricultural Research Service, Red River Valley Agricultural Research Center, Fargo, ND

[i] Young chickens and young turkeys have a 0% violation rate for antibiotics for the 3 year period (2001-2003). These production classes were rotated back into the scheduled sampling program for 2007 based on the expert opinion of the Surveillance Advisory Team (SAT).

No Adjustments Were Made To 2006

NRP Sampling Plan

Appendix I

Tissues Required for Laboratory Analysis

Tissues Required for Laboratory Analysis

Table A-I Lists the tissue, the quantity required for analysis, and the laboratory to which the tissue is sent for analysis.

Table A-I

Residue	Tissue Analyzed	Quantity (lb)	Lab
Antibiotics	Kidney, liver, muscle	1	ML[1]
Arsenicals	Liver, muscle	1	EL[2]
Avermectins	Liver, muscle	1	EL
ß -Agonists	Liver, muscle	1	WL[3]
Carbadox	Liver, muscle	1	WL
Chloramphenicol	Muscle	1	EL
Chlorinated hydrocarbons/chlorinated organophosphates	Fat	1	WL
Florfenicol	Liver, muscle	1	EL
Flunixin	Liver, muscle	1	ML
Lead and Cadmium	Kidney, muscle and liver	1	EL
MGA	Fat	1	WL
Nitrofurans	Liver, muscle	1	WL
Nitroimidazoles	Muscle	1	EL
Phenylbutazone by Immunoassay	Kidney, muscle[3]	1	WL
Sulfonamides	Liver, muscle	1	EL
Thyreostats	Muscle	1	EL

[1] FSIS Midwestern Laboratory
[2] FSIS Eastern Laboratory

Table A-I			
Residue	**Tissue Analyzed**	**Quantity (lb)**	**Lab**
Trenbolone	Liver, muscle	1	ML
Zeranol	Liver, muscle	1	ML

Appendix II

FSIS Laboratory Analytical Methods

Table AII
Analytical Methods
2007 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Antibiotics	Carbadox		GC-ECD	TBD		15 ppb	TBD
	Chloramphenicol		GC-ECD	GC-MS		0.25 ppb (M)	0.30 ppb (M)
	Florfenicol		HPLC	GC/SIM-MS		1.9 ppm (L)	1.9 ppm (L)
Antibiotics : ß-Lactams	Amoxicillin	7-Plate Bioassay	Bioassay	HPLC/MS-MS		TBD	TBD
	Ampicillin					0.01 ppm	10 ppb
	Cefazolin					0.02 ppm	50 ppb
	Cloxacillin					TBD	TBD
	Desacetyl cephapirin					0.1 ppm	100 ppb
	Desfuroylceftiofur cysteine disulfide (DCCD)					0.05 ppm	50 ppb
	Dicloxacillin					0.05 ppm	50 ppb
	Nafcillin						20 ppb
	Penicillin-G					0.05 ppm	50 ppb
	Oxacillin					TBD	
Antibiotics : Tetracyclines	Chlortetracycline	7-Plate Bioassay	Bioassay	HPLC	0.01 ppm	0.05 ppm	0.5 ppm
	Oxytetracycline				0.5 ppm	0.40 ppm	
	Tetracycline						
Antibiotics: Macrolides	Clindamycin	7-Plate Bioassay		HPLC/MS-MS			0.1 ppm
	Erythromycin		Bioassay			0.05 ppm	0.1 ppm
	Lincomycin						0.1 ppm
	Pirlimycin						0.1 ppm
	Tilmicosin		HPLC- Ion Pairing			300 ppb (M) 600 ppb (L,K)	0.1 ppm
	Tylosin		Bioassay			0.2 ppm	0.1 ppm

Table AII
Analytical Methods
2007 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Antibiotics: Aminoglycosides	Amikacin	7-Plate Bioassay		HPLC/MS-MS			1.0 ppm (L,K), 0.4 ppm (M)
	Apramycin						0.4 ppm (K) 0.1 ppm (L,M)
	Dihydrostrepto-mycin		Bioassay			0.5 ppm	0.4 ppm (L,K,M)
	Gentamicin		Bioassay			0.15 ppm	0.1 ppm (K,M), 0.4 (L)
	Hygromycin						1.0 ppm (L,K) 0.4 ppm (M)
	Kanamycin						4.0 ppm(L), 2.0 ppm (K), 0.4 ppm (M)
	Neomycin		Bioassay			0.25 ppm	0.1ppm (K,M), 0.4 (L)
	Spectinomycin					10.0 ppm	1.0 ppm (L) 0.4 ppm (K) 0.25 ppm (M)
	Streptomycin		Bioassay			0.1 ppm	0.4 ppm (L,K,M)
	Tobramycin						1.0 ppm (L) 0.1 ppm (K,M)
Arsenicals	Arsenicals		AAS	AAS		0.2 ppm	0.2 ppm
Avermectins	Ivermectin		HPLC	HPLC/APCI-MS		7.5 ppb	25 ppb
	Doramectin						
	Moxidectin						
beta -Agonists	Cimaterol	LC/MS-MS		LC/MS-MS	6 ppb		
	Clenbuterol	LC/MS-MS		LC/MS-MS	3 ppb		TBD
	Ractopamine	LC/MS-MS	HPLC	LC/MS/MS	21 ppb	1 ppb (M), 25 ppb (L)	1 ppb
	Salbutamol	LC/MS-MS		LC/MS-MS	3 ppb		
	Zilpaterol	LC/MS-MS		LC/MS-MS	6 ppb		
Hormones, synthetic	DES		GC-MS	GC-MS		0.5 ppb	1.0 ppb (L,M)
	Zeranol	ELISA	GC-MS	GC-MS	0.5 ppb	1.0 ppb	5.0 ppb (L)
	alpha-Trenbolone			GC/MS-MS	5.0 ppb		5.0 ppb (L)
	beta-Trenbolone			GC/MS-MS			5.0 ppb (M)
Nitrofurans	Furazolidone	ELISA		LC/MS-MS	1.0 ppb		1.0 ppb (L)
	Furaltadone	ELISA		LC/MS-MS	1.0 ppb		1.0 ppb (L)

Table AII
Analytical Methods
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Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Nitroimidazole	Hydroxydimetridazole Hydroxyipronidazole		HPLC	HPLC/MS/MS		1 ppb	1 ppb
Nonsteroidal Anti-inflammatory Drugs (NSAIDs)	Dipyrones[b]	HPLC	HPLC		0.2 ppm	0.2 ppm	
	Flunixin	ELISA	HPLC/ESI-MS-MS	HPLC/ESI-MS-MS	50 ppb	62.5 ppb (L) 12.5 ppb (M)	62.5 ppb (L) 12.5 ppb (M)
	Phenylbutazone	ELISA		HPLC/ESI-MS-MS	50 ppb		50 ppb
Anabolic Steroids	Melengesterol Acetate (MGA)	ELISA	GC/ECD	HPLC/APCI-MS	5 ppb	10 ppb	12.5 ppb
Sulfonamides	Sulfapyridine		TLC	GC/ESI-MS		0.05 ppm	0.1 ppm
	Sulfadiazine						
	Sulfathiazole						
	Sulfamerazine						
	Sulfamethazine						
	Sulfachloropyridazine						
	Sulfamethoxypryridazine						
	Sulfaquinoxaline						
	Sulfadimethoxine						
	Sulfaethoxypyridazine						
	Sulfaphenazole						
	Sulfatroxazole						
	Sulfisoxazole						
	Sulfadoxine						
Thyreostats	2-Mercaptobenzimidazole			HPLC/MS-MS			25 ppb
	6-Methyl-2-thiouracil						
	2-Mercapto-1-methylimidazole						
	6-Phenyl-2-thiouracil						

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Analytical Methods
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Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
Thyreostats (continued)	6-Propyl-2-thiouracil			HPLC/MS-MS			25 ppb
	2-Thiouracil						
CHCs/COPs/PCBs	Aldrin		GPC with GC-EC	GC-MS	0.10 ppm	0.10 ppm	
	alpha-BHC				0.10 ppm	0.10 ppm	
	Captan				0.04 ppm		
	Carbophenothion				0.06 ppm		
	Chlorfenvinphos				0.05 ppm	0.05 ppm	
	Chlorpyrifos				0.10 ppm	0.10 ppm	
	cis-chlordane				0.30 ppm	0.30 ppm	
	Coumaphos-O				0.20 ppm		
	Coumaphos-S				0.20 ppm	0.20 ppm	
	Dieldrin				0.10 ppm	0.10 ppm	
	Endosulfan I				0.02 ppm		
	Endosulfan II				0.04 ppm	0.04 ppm	
	Endrin				0.10 ppm		
	HCB				0.10 ppm	0.10 ppm	
	Heptachlor epoxide				0.10 ppm		
	Heptacholr				0.10 ppm		
	Kepone				0.10 ppm	0.10 ppm	
	Lindane				0.10 ppm	0.10 ppm	
	Linuron				0.10 ppm	0.10 ppm	
	Methoxychlor				0.06 ppm		
	Mirex				0.10 ppm	0.10 ppm	

Table AII
Analytical Methods
2007 National Residue Program

Compound Class	*Compound*	*Analytical Method*			*Minimum Proficiency Level* [a]		
		Screen	*Determinative (quantitative)*	*Confirmatory (identification)*	*Screen*	*Determinative (quantitative)*	*Confirmatory (identification)*
CHCs/COPs/PCBs (continued)	Nonachlor		GPC with GC-EC	GC-MS		0.15 ppm	
	o,p'-TDE					0.15 ppm	
	Oxychlordane					0.04 ppm	
	p,p'-DDE					0.10 ppm	
	p,p'-DDT					0.15 ppm	
	p,p'-TDE					0.15 ppm	
	PCB 1260					0.50 ppm	
	PCB 1254					0.50 ppm	
	PCB 1242					0.50 ppm	
	PCB 1248					0.50 ppm	
	Phosalone					0.02 ppm	
	Ronnel					0.03 ppm	
	Stirofos					0.06 ppm	
	Toxaphene					1.00 ppm	
	trans-chlordane					0.30 ppm	

a. Minimum Proficiency Level: The minimum concentration of a residue at which an analytical result will be used to assess a laboratory's quantification capability. This concentration is an estimate of the smallest concentration for which the average coefficient of variation (CV) for reproducibility (i.e., combined within and between laboratory variability) does not exceed 20 percent (9 CFR 318.21).
b. 4-methylaminoantipyrine, 4-formylaminoantipyrine, and 4-aminoantipyrine

Table AII
Analytical Methods
2007 National Residue Program

Key:

AA = Atomic Absorption Spectroscopy
APCI = Atmospheric Pressure Chemical Ionization
CHCs = Chlorinated hydrocarbons
COPs = Chlorinated organophosphates
ECD = Electron Capture Detection
ELISA = Enzyme Linked Immunosorbent Assay
GC = Gas Chromatoraphy
GPC = Gel Permeation Chromatography
HPLC = high performance liquid chromatography
K = Kidney
L = Liver
M = Muscle
Method detection limit = The lowest quantity of residue (or sample component) that can be reliably observed or found in the sample matrix by the analytical methodology used.
MS = Mass Spectroscopy
NA = not applicable
PCBs = Polychlorinated biphenyls
ppb = parts per billion
ppm = parts per million
SIM = selected ion mode
TBD = To be determined
TLC = Thin Layer Chromatography

Appendix III

Statistical Table

Statistical Table

Table AIII, S*tatistical Table*, indicates the number of samples required to ensure detection of a violation that affects a given percentage of the sampled population.

Table AIII
Statistical Table
2007 FSIS National Residue Program

Percentage Violative in Sampled Population	*Probability of Detection (Percent)*			
	90	95	99	99.9
	Samples Required			
10	22	29	44	66
5	45	59	90	135
1	230	299	459	688
0.5	460	598	919	1,379
0.1	2,302	2,995	4,603	6,905
0.05	4,605	5,990	9,209	13,813