

SCHEDULED SAMPLING - EXPLORATORY ASSESSMENTS

ENVIRONMENTAL CONTAMINANTS

FSIS conducted an exploratory assessment to survey the prevalence of lead and cadmium in mature chickens. Muscle and kidney samples with cadmium levels less than 10 ppb or lead levels less than 25 ppb are represented by a zero (0) in table 38.

Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results

| Cadmium (ppb) | | | | | | | |
|---------------|--------|--|--------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 309.0 | | 0.0 | 342.0 | | 0.0 | 152.0 |
| 0.0 | 468.0 | | 0.0 | 475.0 | | 0.0 | 625.0 |
| 0.0 | 591.0 | | 0.0 | 297.0 | | 0.0 | 455.0 |
| 0.0 | 536.0 | | 0.0 | 282.0 | | 0.0 | 596.0 |
| 0.0 | 508.0 | | 0.0 | 263.0 | | 0.0 | 523.0 |
| 0.0 | 407.0 | | 0.0 | 286.0 | | 0.0 | 412.0 |
| 0.0 | 498.0 | | 0.0 | 342.0 | | 0.0 | 459.0 |
| 0.0 | 267.0 | | 0.0 | 184.0 | | 0.0 | 172.0 |
| 0.0 | 224.0 | | 0.0 | 283.0 | | 0.0 | 225.0 |
| 0.0 | 683.0 | | 25.0 | 178.0 | | 0.0 | 188.0 |
| 0.0 | 736.0 | | 0.0 | 533.0 | | 0.0 | 490.0 |
| 0.0 | 616.0 | | 0.0 | 302.0 | | 0.0 | 348.0 |
| 0.0 | 436.0 | | 0.0 | 956.0 | | 0.0 | 195.0 |
| 0.0 | 939.0 | | 0.0 | 309.0 | | 0.0 | 394.0 |
| 0.0 | 905.0 | | 0.0 | 211.0 | | 0.0 | 111.0 |
| 0.0 | 415.0 | | 0.0 | 330.0 | | 0.0 | 381.0 |
| 0.0 | 200.0 | | 0.0 | 486.0 | | 0.0 | 222.0 |
| 0.0 | 412.0 | | 0.0 | 227.0 | | 0.0 | 210.0 |
| 0.0 | 533.0 | | 0.0 | 32.0 | | 0.0 | 216.0 |
| 0.0 | 305.0 | | 0.0 | 242.0 | | 0.0 | 632.0 |
| 0.0 | 257.0 | | 0.0 | 537.0 | | 0.0 | 586.0 |
| 0.0 | 297.0 | | 0.0 | 241.0 | | 0.0 | 104.0 |
| 0.0 | 225.0 | | 0.0 | 212.0 | | 0.0 | 200.0 |
| 0.0 | 494.0 | | 0.0 | 636.0 | | 0.0 | 255.0 |
| 0.0 | 174.0 | | 0.0 | 462.0 | | 0.0 | 242.0 |
| 0.0 | 692.0 | | 0.0 | 482.0 | | 0.0 | 0.0 |
| 0.0 | 214.0 | | 0.0 | 0.0 | | 0.0 | 463.0 |
| 0.0 | 821.0 | | 0.0 | 674.0 | | 0.0 | 344.0 |
| 0.0 | 371.0 | | 13.0 | 532.0 | | 0.0 | 244.0 |
| 0.0 | 347.0 | | 0.0 | 220.0 | | 0.0 | 279.0 |

**Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results**

| Cadmium (ppb) | | | | | | | |
|---------------|--------|--|--------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 420.0 | | 0.0 | 542.0 | | 0.0 | 124.0 |
| 0.0 | 662.0 | | 0.0 | 291.0 | | 0.0 | 188.0 |
| 0.0 | 468.0 | | 0.0 | 425.0 | | 0.0 | 475.0 |
| 0.0 | 284.0 | | 0.0 | 218.0 | | 0.0 | 596.0 |
| 0.0 | 446.0 | | 0.0 | 151.0 | | 0.0 | 355.0 |
| 0.0 | 374.0 | | 0.0 | 357.0 | | 0.0 | 286.0 |
| 0.0 | 296.0 | | 0.0 | 313.0 | | 0.0 | 631.0 |
| 0.0 | 540.0 | | 0.0 | 227.0 | | 0.0 | 284.0 |
| 0.0 | 234.0 | | 0.0 | 287.0 | | 0.0 | 182.0 |
| 0.0 | 357.0 | | 0.0 | 917.0 | | 0.0 | 340.0 |
| 0.0 | 383.0 | | 0.0 | 756.0 | | 0.0 | 583.0 |
| 0.0 | 314.0 | | 0.0 | 561.0 | | 0.0 | 708.0 |
| 0.0 | 306.0 | | 0.0 | 357.0 | | 0.0 | 264.0 |
| 0.0 | 531.0 | | 0.0 | 374.0 | | 0.0 | 694.0 |
| 0.0 | 646.0 | | 0.0 | 331.0 | | 0.0 | 373.0 |
| 0.0 | 242.0 | | 0.0 | 216.0 | | 0.0 | 317.0 |
| 0.0 | 297.0 | | 0.0 | 527.0 | | 0.0 | 440.0 |
| 0.0 | 703.0 | | 0.0 | 617.0 | | 0.0 | 14.0 |
| 0.0 | 944.0 | | 0.0 | 542.0 | | 0.0 | 318.0 |
| 0.0 | 615.0 | | 0.0 | 260.0 | | 0.0 | 509.0 |
| 0.0 | 140.0 | | 0.0 | 319.0 | | 0.0 | 346.0 |
| 0.0 | 265.0 | | 0.0 | 446.0 | | 0.0 | 357.0 |
| 0.0 | 231.0 | | 0.0 | 445.0 | | 14.0 | 124.0 |
| 0.0 | 375.0 | | 0.0 | 296.0 | | 0.0 | 735.0 |
| 0.0 | 359.0 | | 0.0 | 545.0 | | 0.0 | 242.0 |
| 0.0 | 410.0 | | 0.0 | 111.0 | | 0.0 | 116.0 |
| 0.0 | 206.0 | | 0.0 | 329.0 | | 0.0 | 259.0 |
| 0.0 | 212.0 | | 0.0 | 916.0 | | 0.0 | 267.0 |
| 0.0 | 222.0 | | 0.0 | 368.0 | | 0.0 | 112.0 |
| 0.0 | 155.0 | | 0.0 | 316.0 | | 0.0 | 205.0 |
| 0.0 | 456.0 | | 0.0 | 192.0 | | 11.0 | 453.0 |
| 0.0 | 129.0 | | 11.0 | 402.0 | | 0.0 | 366.0 |
| 0.0 | 253.0 | | 0.0 | 358.0 | | 0.0 | 489.0 |
| 0.0 | 342.0 | | 0.0 | 337.0 | | 0.0 | 197.0 |
| 0.0 | 230.0 | | 0.0 | 310.0 | | 0.0 | 412.0 |
| 0.0 | 425.0 | | 0.0 | 298.0 | | 0.0 | 387.0 |
| 0.0 | 399.0 | | 0.0 | 489.0 | | 0.0 | 43.0 |
| 0.0 | 278.0 | | 0.0 | 397.0 | | 0.0 | 335.0 |
| 0.0 | 241.0 | | 0.0 | 668.0 | | 0.0 | 267.0 |
| 0.0 | 141.0 | | 0.0 | 695.0 | | 0.0 | 32.0 |
| 0.0 | 287.0 | | 0.0 | 387.0 | | 0.0 | 949.0 |
| 0.0 | 165.0 | | 0.0 | 255.0 | | 0.0 | 616.0 |

**Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results**

| Cadmium (ppb) | | | | | | | |
|---------------|--------|--|--------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 282.0 | | 0.0 | 458.0 | | 0.0 | 221.0 |
| 0.0 | 441.0 | | 0.0 | 315.0 | | 0.0 | 169.0 |
| 0.0 | 479.0 | | 0.0 | 410.0 | | 0.0 | 164.0 |
| 0.0 | 95.0 | | 0.0 | 341.0 | | 11.0 | 509.0 |
| 0.0 | 307.0 | | 0.0 | 537.0 | | 0.0 | 0.0 |
| 0.0 | 288.0 | | 0.0 | 352.0 | | 0.0 | 420.0 |
| 0.0 | 177.0 | | 0.0 | 360.0 | | 0.0 | 228.0 |
| 0.0 | 137.0 | | 0.0 | 685.0 | | 0.0 | 191.0 |
| 0.0 | 364.0 | | 11.0 | 134.0 | | 0.0 | 169.0 |
| 0.0 | 254.0 | | 0.0 | 817.0 | | 0.0 | 136.0 |
| 0.0 | 400.0 | | 0.0 | 293.0 | | 0.0 | 206.0 |
| 0.0 | 373.0 | | 0.0 | 340.0 | | 0.0 | 242.0 |
| 0.0 | 412.0 | | 0.0 | 367.0 | | 0.0 | 198.0 |
| 0.0 | 93.0 | | 0.0 | 651.0 | | 0.0 | 99.0 |
| 0.0 | 341.0 | | 0.0 | 229.0 | | 0.0 | 161.0 |
| 0.0 | 547.0 | | 0.0 | 133.0 | | 0.0 | 399.0 |
| 0.0 | 338.0 | | 0.0 | 328.0 | | 0.0 | 668.0 |
| 0.0 | 602.0 | | 0.0 | 95.0 | | 0.0 | 756.0 |
| 0.0 | 391.0 | | 0.0 | 107.0 | | 0.0 | 109.0 |
| 0.0 | 352.0 | | 0.0 | 393.0 | | 0.0 | 244.0 |
| 0.0 | 158.0 | | 0.0 | 288.0 | | 0.0 | 819.0 |
| 0.0 | 593.0 | | 0.0 | 236.0 | | 0.0 | 129.0 |
| 0.0 | 400.0 | | 0.0 | 156.0 | | 0.0 | 301.0 |
| 0.0 | 395.0 | | 0.0 | 241.0 | | 0.0 | 225.0 |
| 0.0 | 308.0 | | 0.0 | 309.0 | | 0.0 | 46.0 |
| 0.0 | 266.0 | | 0.0 | 276.0 | | 0.0 | 233.0 |
| 0.0 | 601.0 | | 0.0 | 897.0 | | 0.0 | 485.0 |
| 0.0 | 32.0 | | 0.0 | 322.0 | | 0.0 | 187.0 |
| 0.0 | 106.0 | | 0.0 | 710.0 | | 0.0 | 341.0 |
| 0.0 | 291.0 | | 0.0 | 62.0 | | 0.0 | 188.0 |
| 0.0 | 488.0 | | 0.0 | 309.0 | | 0.0 | 247.0 |
| 0.0 | 506.0 | | 0.0 | 372.0 | | 0.0 | 362.0 |
| 0.0 | 279.0 | | 0.0 | 819.0 | | 0.0 | 83.0 |
| 0.0 | 218.0 | | 0.0 | 359.0 | | 0.0 | 292.0 |
| 0.0 | 230.0 | | 0.0 | 429.0 | | 0.0 | 141.0 |
| 0.0 | 154.0 | | | | | 0.0 | 288.0 |

**Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results**

| Lead (ppb) | | | | | | | |
|------------|--------|--|--------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 41.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 25.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 39.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 306.0 |
| 0.0 | 0.0 | | 0.0 | 27.0 | | 0.0 | 28.0 |
| 0.0 | 0.0 | | 28.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 73.0 |
| 0.0 | 0.0 | | 144.0 | 0.0 | | 0.0 | 29.0 |
| 0.0 | 71.0 | | 0.0 | 41.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 39.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 41.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 82.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 621.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 34.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 103.0 | | 43.0 | 30.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 36.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 56.0 | | 0.0 | 0.0 | | 0.0 | 240.0 |
| 0.0 | 62.0 | | 0.0 | 29.0 | | 0.0 | 194.0 |
| 0.0 | 27.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 30.0 | 0.0 | | 0.0 | 56.0 | | 359.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 112.0 |
| 0.0 | 63.0 | | 0.0 | 30.0 | | 39.0 | 0.0 |
| 0.0 | 33.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |

Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results

| Lead (ppb) | | | | | | | |
|------------|--------|--|--------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 0.0 | | 0.0 | 39.0 | | 0.0 | 45.0 |
| 0.0 | 0.0 | | * | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 58.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 96.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 147.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 44.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 30.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 53.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 38.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 362.0 | 28.0 | | 0.0 | 0.0 |
| 0.0 | 65.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 347.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 34.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 91.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 25.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 30.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 234.0 | | 0.0 | 29.0 |
| 41.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 57.0 |
| 0.0 | 196.0 | | 0.0 | 0.0 | | 0.0 | 132.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 318.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 29.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 119.0 | | 0.0 | 56.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 29.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 27.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |

Table 38
Lead and Cadmium
2006 FSIS Exploratory Assessments Results

| Lead (ppb) | | | | | | | |
|------------|--------|--|----------------------|--------|--|--------|--------|
| Muscle | Kidney | | Muscle | Kidney | | Muscle | Kidney |
| 0.0 | 164.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 29.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 50.0 |
| 0.0 | 0.0 | | 0.0 | 34.0 | | 0.0 | 41.0 |
| 0.0 | 0.0 | | 31.0 | 34.0 | | 0.0 | 0.0 |
| 0.0 | 26.0 | | 52.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 25.0 | 0.0 |
| 0.0 | 0.0 | | 84.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 32.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 107.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 96.0 | | 185.0 | 0.0 | | 0.0 | 37.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 49.0 | | 0.0 | 27.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 390.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 45.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 71.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| 0.0 | 0.0 | | 0.0 | 0.0 | | 0.0 | 0.0 |
| | | | * Data not available | | | | |
| 0.0 | 0.0 | | | | | 0.0 | 0.0 |

INSPECTOR GENERATED SAMPLING- SUSPECT ANIMALS

Inspector generated sampling of suspect animals is conducted by in-plant Public Health Veterinarians (PHVs) when it is suspected that an animal may have violative level of chemical residues. Samples collected could be screened in the plant using Fast Antimicrobial Screen test (FAST) or Screen Test On-Premises (STOP). If the PHV does not have FAST or STOP capability, the sample can be sent directly to the FSIS laboratory for testing.

Inspector generated sampling results are presented in two tables for each specific analysis unless there is only one compound tested. The first table (a) states the total number of animals analyzed, the number of violations, and the percent violations for each production class. Since analyses for multiple compounds can be performed on the same sample, one sample (one animal) could have more than one violation. The second table (b) identifies the results for specific compounds that were detected within the compound class.

SAMPLES SCREENED IN-PLANT AND CONFIRMED IN A FSIS LABORATORY

SWAB-TEST ON PREMISES (STOP)

FSIS used STOP to screen 6,654 animals for antibiotic, and sulfonamide residues. FSIS laboratories confirmed 21 violations in 20 animals. There were three (3) gentamicin, four (4) penicillin, one (1) chlortetracycline, one (1) neomycin, three (3) oxytetracycline, one (1) sulfadimethoxine, and eight (8) sulfamethazine residue violations. Table 39a, *Swab Test on Premises*, presents the screening test results by production class. Table 39b, *Specific STOP Violative Residue*, presents specific results for antibiotic, sulfonamide, and non-steroidal anti-inflammatory drug residues.

Table 39a
Swab-Test on Premises
2006 Domestic Inspector Generated Sampling Results

| Production Class | Number of samples | Number of animals with violations | Percent violations |
|-------------------------|--------------------------|--|---------------------------|
| Beef cows | 84 | 1 | 1.2 |
| Bob veal | 4 | 0 | 0.0 |
| Bovine | 3 | 3 | 100 |
| Bulls | 43 | 0 | 0.0 |
| Dairy cows | 260 | 4 | 1.5 |
| Formula-fed veal | 64 | 0 | 0.0 |
| Goats | 27 | 0 | 0.0 |
| Heavy calves | 42 | 0 | 0.0 |
| Heifers | 147 | 3 | 2.0 |
| Horses | 75 | 0 | 0.0 |
| Lambs | 258 | 0 | 0.0 |
| Market hogs | 3,941 | 3 | 0.08 |
| Mature sheep | 74 | 0 | 0.0 |
| Non-formula-fed veal | 4 | 3 | 75.0 |
| Ostrich | 15 | 0 | 0.0 |
| Roaster pigs | 88 | 2 | 2.3 |
| Sows | 1,194 | 0 | 0.0 |
| Steers | 331 | 1 | 0.3 |
| Total | 6,654 | 20 | |

Table 39b
Specific STOP Violative Residues
2006 Inspector Generated Sampling Results

| Production Class | Antibiotic and sulfonamide Compounds | | | | | | | Total |
|----------------------|--------------------------------------|------------|----------|-----------------|------------|------------------|----------------|-----------|
| | Chlortetracycline | Gentamycin | Neomycin | Oxytetracycline | Penicillin | Sulfadimethoxine | Sulfamethazine | |
| Beef cows | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Bovine ¹ | 1 | 2 | 0 | 0 | 0 | 0 | 1 | 4 |
| Dairy cows | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 4 |
| Heifers | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 3 |
| Market Hogs | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| Non-formula-fed veal | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 3 |
| Roaster swine | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Steers | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Total | 1 | 3 | 1 | 3 | 4 | 1 | 8 | 21 |

¹ Animals with multiple violations

FAST ANTIMICROBIAL SCREEN TEST (FAST)

FSIS used FAST to screen 73,042 animals for antibiotic, and sulfonamide residues. In addition, samples found to be FAST positive for antibiotics or sulfonamides were further analyzed for flunixin, a non-steroidal anti-inflammatory compound. FSIS laboratories confirmed 1,255 violations in 1,159 animals. There were two (2) amikacin, 12 ampicillin, 10 dihydrostreptomycin, 148 gentamicin, one (1) kanamycin, 144 neomycin, 59 oxytetracycline, 422 penicillin, 18 tetracycline, 42 tilmicosin, one (1) tylosin, four (4) sulfadiazine, 180 sulfadimethoxine, 66 sulfamethazine, four (4) sulfamethoxazole, three (3) sulfathiazole, and 139 flunixin residue violations. Table 40a, *Fast Antimicrobial Screen Test*, presents the screening test results by production class. Table 40b, *Specific FAST Violative Residue*, presents specific results for antibiotic, sulfonamide, and flunixin residues.

Table 40a
Fast Antimicrobial Screen Test
2006 Inspector Generated Sampling Results

| Production Class | Number of samples | Number of animals with violations | Percent violations |
|---------------------------|--------------------------|--|---------------------------|
| Beef cows ³ | 4,915 | 113 | 2.3 |
| Boars/stags | 1 | 0 | 0.0 |
| Bob veal ^{2,3} | 3,941 | 148 | 3.8 |
| Bovine ³ | 442 | 4 | 0.9 |
| Bulls ³ | 553 | 11 | 2.0 |
| Dairy cows ³ | 57,486 | 828 | 1.4 |
| Formula-fed veal | 228 | 5 | 2.2 |
| Goats | 21 | 0 | 0.0 |
| Heavy calves ³ | 623 | 27 | 4.3 |
| Heifers | 1,601 | 6 | 0.4 |
| Horses | 4 | 0 | 0.0 |
| Lambs | 61 | 0 | 0.0 |
| Market hogs | 118 | 1 | 0.8 |
| Mature sheep | 22 | 0 | 0.0 |
| Non-formula-fed veal | 92 | 3 | 3.3 |
| Roaster pigs | 21 | 0 | 0.0 |
| Sows | 22 | 0 | 0.0 |
| Steers ³ | 2,891 | 13 | 0.4 |
| TOTAL | 73,042 | 1,159 | |

² The total analyzed includes both testing of a suspect population and testing of suspect animals.

³ Animals with multiple violations

Table 40b
Specific FAST Violative Residues
2006 Inspector Generated Sampling Results

| Production Class | | | | | | | | | | | | | | | | | | Totals |
|-------------------------------|----------|------------|---------------------|------------|-----------|------------|-----------------|------------|--------------|------------|----------|--------------|------------------|----------------|------------------|---------------|------------|--------------|
| | Amikacin | Ampicillin | Dihydrostreptomycin | Gentamycin | Kanamycin | Neomycin | Oxytetracycline | Penicillin | Tetracycline | Tilmicosin | Tylosin | Sulfadiazine | Sulfamethoxazole | Sulfamethazine | Sulfamethoxazole | Sulfathiazole | Flunixin | |
| Beef Cows ³ | 0 | 2 | 0 | 28 | 0 | 8 | 12 | 36 | 0 | 11 | 0 | 0 | 6 | 16 | 0 | 1 | 5 | 125 |
| Bob veal ³ | 0 | 0 | 0 | 9 | 0 | 95 | 14 | 13 | 3 | 1 | 1 | 0 | 7 | 10 | 4 | 0 | 1 | 158 |
| Bovine | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 5 |
| Bulls ³ | 0 | 0 | 0 | 4 | 0 | 1 | 1 | 1 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 12 |
| Diary cows ³ | 2 | 10 | 10 | 89 | 1 | 28 | 29 | 359 | 15 | 25 | 0 | 0 | 158 | 30 | 0 | 2 | 130 | 888 |
| Formula-fed veal ³ | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 8 |
| Heavy Calves ³ | 0 | 0 | 0 | 11 | 0 | 7 | 1 | 4 | 0 | 1 | 0 | 0 | 4 | 6 | 0 | 0 | 1 | 35 |
| Heifers | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Market Swine | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| Non-FFV ⁴ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| Steers ³ | 0 | 0 | 0 | 4 | 0 | 2 | 0 | 4 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 14 |
| Totals | 2 | 12 | 10 | 148 | 1 | 144 | 59 | 422 | 18 | 42 | 1 | 4 | 180 | 66 | 4 | 3 | 139 | 1,255 |

³ Animals with multiple violations, ⁴ Non-FFV = Non-formula-fed veal

SAMPLES ANALYZED ONLY IN A FSIS LABORATORY

ANTIBIOTICS AND SULFONAMIDES (7-plate bioassay)

FSIS analyzed samples from 80 animals for antibiotics and sulfonamides. FSIS laboratories confirmed 9 violations in 8 animals. There were one (1) gentamycin, four (4) penicillin, one (1) neomycin, one (1) tetracycline, one (1) sulfadimethoxine, and one (1) sulfamethazine residue violations. Table 41a, *Antibiotics and Sulfonamides*, presents testing results by production class. Table 41b, *Specific Antibiotic and Sulfonamide Violative Residues*, presents specific results detected within the class.

Table 41a
Antibiotics and Sulfonamides
2006 Inspector Generated Sampling Results

| Production Class | Number of samples | Number of animals with violations | Percent violations |
|-------------------------|--------------------------|--|---------------------------|
| Beef cow ⁵ | 22 | 1 | 4.5 |
| Boar/Stag | 6 | 0 | 0.0 |
| Bob veal | 4 | 2 | 50.0 |
| Bull | 8 | 0 | 0.0 |
| Dairy cow | 12 | 2 | 16.7 |
| Heifer | 4 | 2 | 50.0 |
| Lamb | 4 | 0 | 0.0 |
| Market hog | 12 | 0 | 0.0 |
| Steer | 3 | 0 | 0.0 |
| Young chicken | 2 | 0 | 0.0 |
| Young turkey | 3 | 1 | 33.3 |
| Total | 80 | 8 | |

⁵ Animals with multiple violations

Table 41b
Specific Antibiotic and Sulfonamide Violative Residues
2006 Inspector Generated Sampling Results

| Production Class | Antibiotic and Sulfonamide Compounds | | | | | | Total |
|-------------------------|---|------------------|--------------------|----------------------|--------------------------|------------------------|--------------|
| | Genta mycin | Neo mycin | Peni cillin | Tetra cycline | Sulfadi methoxine | Sulfame thazine | |
| Beef cow | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| Bob veal | 0 | 1 | 1 | 0 | 0 | 0 | 2 |
| Dairy cow | 1 | 0 | 0 | 1 | 0 | 0 | 2 |
| Heifer | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| Young turkey | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| Total | 1 | 1 | 4 | 1 | 1 | 1 | 9 |

AVERMECTINS

Analyses were conducted in one (1) goat and one (1) formula-fed veal samples and no violations were found.

CHLORAMPHENICOL

Analysis was conducted in one (1) formula-fed veal sample and no violation was found.

CHLORINATED HYDROCARBONS/ CHLORINATED ORGANOPHOSPHATES

Analyses were conducted in one (1) steer samples and no violation was found.

***beta*-AGONISTS (clenbuterol, cimaterol, and salbutamol)**

Analyses were conducted in two (2) bovine, three (3) heifer, 11 steer, 23 formula-fed veal, 10 lamb, and nine (9) market hog samples and no violations were found.

***beta*-AGONISTS (ractopamine)**

Analyses were conducted in three (3) beef cow, 13 formula-fed veal, and one (1) market hog samples and no violations were found.

FLORFENICOL

Analysis was conducted in one (1) formula-fed veal sample and no violation was found.

FLUNIXIN

Analyses were conducted in one (1) dairy cow, 13 formula-fed veal, and one (1) steer sample and no violations were found.

MELENGESTROL ACETATE

Analyses were conducted in 13 formula-fed veal and no violations were found.

NITROIMIDAZOLES

Analysis was conducted in one (1) formula-fed veal sample and no violation was found.

PHENYLBUTAZONE

Analyses were conducted in 13 formula-fed veal and no violations were found.

SULFONAMIDES

Analyses were conducted in one (1) formula-fed veal, nine (9) young turkey samples. Two (2) sulfadimethoxine violations were found in young turkeys.

THYREOSTATS

Analysis was conducted in one (1) formula-fed veal sample and no violation was found.

INSPECTOR GENERATED SAMPLING – SUSPECT POPULATIONS

FSIS conducted testing of suspect populations for sulfonamides in market hogs; sulfonamides and antibiotics in bob veal; and antibiotics, sulfonamides, *beta*-agonists, ractopamine, and flunixin in show animals.

FAST ANTIMICROBIAL SCREEN TEST (FAST) ON BOB VEAL

The FAST was used to screen 3,941 veal for antibiotics and sulfonamides. The total bob veal tested included both testing of a suspect population and testing of suspect animals. Of the animals tested, FSIS laboratory confirmed 158 violations in 148 animals. The residue violations consisted of nine (9) gentamycin, 95 neomycin, 14 oxytetracycline, 13 penicillin, three (3) tetracycline, one (1) tilmicosin, one (1) tylosin, seven (7) sulfadimethoxine, 10 sulfamethazine, four (4) sulfamethoxazole, one (1) flunixin.

SHOW ANIMALS

FSIS conducted analyses for *clenbuterol*, *salbutamol*, and *cimaterol* (*beta*-Agonists) on two (2) bovine, 11 steers, three (3) heifers, 10 lambs, nine (9) market hogs, and no violations were found. No violations were found in nine (9) market hogs tested for antibiotics and sulfonamides and (1) market hog tested for ractopamine.

IMPORT REINSPECTION RESULTS

NORMAL

Table 42, *Normal Reinspection Results*, presents results for imported products subject to normal reinspection. The data includes the number of reported results, non-detects, non-violative positives, and violations found for each compound class tested.

Table 42
Normal Reinspection Results
2006 Import Residue Plan

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|-----------------|----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|--------------------------|
| Argentina | Beef Fresh | Sulfonamides | 1 | 1 | 0 | 0 | |
| | | Total | 1 | 1 | 0 | 0 | |
| | Beef Processed | Arsenic | 7 | 7 | 0 | 0 | |
| | | Avermectins | 26 | 24 | 0 | 1 | Doramectin Ivermectin |
| | | | | | | 1 | |
| | | Chlorinated HCs | 3 | 3 | 0 | 0 | |
| | | Chlorinated OPs | 3 | 3 | 0 | 0 | |
| | | Phenylbutazone | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 5 | 5 | 0 | 0 | |
| | Total | 46 | 44 | 0 | 2 | | |
| | Pork Fresh | Arsenic | 2 | 2 | 0 | 0 | |
| | | Avermectins | 2 | 2 | 0 | 0 | |
| | | Total | 4 | 4 | 0 | 0 | |
| | Veal Fresh | Arsenic | 1 | 1 | 0 | 0 | |
| | | Avermectins | 2 | 2 | 0 | 0 | |
| Chloramphenicol | | 2 | 2 | 0 | 0 | | |
| Sulfonamides | | 1 | 1 | 0 | 0 | | |
| Total | | 6 | 6 | 0 | 0 | | |
| Australia | Beef Fresh | Antibiotics | 96 | 96 | 0 | 0 | |
| | | Avermectins | 87 | 87 | 0 | 0 | |
| | | Chloramphenicol | 22 | 22 | 0 | 0 | |
| | | Chlorinated HCs | 70 | 70 | 0 | 0 | |
| | | Chlorinated OPs | 70 | 70 | 0 | 0 | |
| | | Phenylbutazone | 9 | 9 | 0 | 0 | |
| | | Sulfonamides | 96 | 96 | 0 | 0 | |
| | | Zeranol | 1 | 1 | 0 | 0 | |
| | | Total | 451 | 451 | 0 | 0 | |
| | Goat Fresh | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 2 | 2 | 0 | 0 | |
| | | Total | 4 | 4 | 0 | 0 | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|--------------------------------------|----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|
| Australia <i>continued</i> | Beef Processed | Avermectins | 3 | 3 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | | Total | 4 | 4 | 0 | 0 | |
| | Goat Fresh | Arsenic | 9 | 9 | 0 | 0 | |
| | | Avermectins | 8 | 8 | 0 | 0 | |
| | | Chlorinated HCs | 5 | 5 | 0 | 0 | |
| | | Chlorinated OPs | 5 | 5 | 0 | 0 | |
| | | Ractopamine | 1 | 1 | 0 | 0 | |
| | | Total | 28 | 28 | 0 | 0 | |
| | Pork Fresh | Chlorinated HCs | 1 | 1 | 0 | 0 | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | | Total | 3 | 3 | 0 | 0 | |
| | Veal Fresh | Antibiotics | 21 | 21 | 0 | 0 | |
| | | Chloramphenicol | 24 | 24 | 0 | 0 | |
| | | Zeranol | 20 | 20 | 0 | 0 | |
| | | Ractopamine | 22 | 22 | 0 | 0 | |
| | | Sulfonamides | 25 | 25 | 0 | 0 | |
| | | Avermectins | 23 | 23 | 0 | 0 | |
| | Total | 135 | 135 | 0 | 0 | | |
| Brazil | Beef Fresh | Avermectins | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | | Total | 2 | 2 | 0 | 0 | |
| | Beef Processed | Arsenic | 2 | 2 | 0 | 0 | |
| | | Avermectins | 60 | 60 | 0 | 0 | |
| | | Chlorinated HCs | 39 | 39 | 0 | 0 | |
| | | Chlorinated OPs | 39 | 39 | 0 | 0 | |
| | | Phenylbutazone | 18 | 18 | 0 | 0 | |
| | | Sulfonamides | 56 | 56 | 0 | 0 | |
| | | Total | 214 | 214 | 0 | 0 | |
| Pork Fresh | Arsenic | 1 | 1 | 0 | 0 | | |
| | Sulfonamides | 1 | 1 | 0 | 0 | | |
| | Total | 2 | 2 | 0 | 0 | | |
| Canada | Beef Fresh | Antibiotics | 84 | 84 | 0 | 0 | |
| | | Arsenic | 4 | 4 | 0 | 0 | |
| | | Avermectins | 77 | 77 | 0 | 0 | |
| | | Chloramphenicol | 54 | 54 | 0 | 0 | |
| | | Chlorinated HCs | 196 | 196 | 0 | 0 | |
| | | Chlorinated OPs | 196 | 196 | 0 | 0 | |
| | | Phenylbutazone | 5 | 5 | 0 | 0 | |
| | | Sulfonamides | 87 | 87 | 0 | 0 | |
| | | Thyreostats | 4 | 4 | 0 | 0 | |
| | | | Total | 707 | 707 | 0 | 0 |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues | |
|-----------------------------------|-----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|--|
| Canada <i>continued</i> | Beef Processed | Arsenic | 1 | 1 | 0 | 0 | | |
| | | Chlorinated HCs | 1 | 1 | 0 | 0 | | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | | |
| | | Thyreostats | 1 | 1 | 0 | 0 | | |
| | | Total | | 5 | 5 | 0 | 0 | |
| | Chicken Fresh | Antibiotics | 9 | 9 | 0 | 0 | | |
| | | Arsenic | 7 | 7 | 0 | 0 | | |
| | | Chloramphenicol | 8 | 8 | 0 | 0 | | |
| | | Chlorinated HCs | 8 | 8 | 0 | 0 | | |
| | | Chlorinated OPs | 8 | 8 | 0 | 0 | | |
| | | Total | | 40 | 40 | 0 | 0 | |
| | Combination | Antibiotics | 1 | 1 | 0 | 0 | | |
| | | Total | | 1 | 1 | 0 | 0 | |
| | Pork Fresh | Antibiotics | 137 | 136 | 1 | 0 | | |
| | | Arsenic | 179 | 179 | 0 | 0 | | |
| | | Avermectins | 1 | 1 | 0 | 0 | | |
| | | Chloramphenicol | 2 | 2 | 0 | 0 | | |
| | | Chlorinated HCs | 113 | 113 | 0 | 0 | | |
| | | Chlorinated OPs | 113 | 113 | 0 | 0 | | |
| | | Nitroimidazoles | 4 | 4 | 0 | 0 | | |
| | | Phenylbutazone | 16 | 16 | 0 | 0 | | |
| | | Sulfonamides | 219 | 219 | 0 | 0 | | |
| | | Thyreostats | 220 | 220 | 0 | 0 | | |
| | | Zeranol | 1 | 1 | 0 | 0 | | |
| | Total | | 1,005 | 1,004 | 1 | 0 | | |
| Turkey Fresh | Antibiotics | 8 | 8 | 0 | 0 | | | |
| | Arsenic | 12 | 12 | 0 | 0 | | | |
| | Chloramphenicol | 13 | 13 | 0 | 0 | | | |
| | Chlorinated HCs | 6 | 6 | 0 | 0 | | | |
| | Chlorinated OPs | 6 | 6 | 0 | 0 | | | |
| | Nitroimidazoles | 11 | 11 | 0 | 0 | | | |
| | Sulfonamides | 13 | 12 | 1 | 0 | | | |
| | Total | | 69 | 68 | 1 | 0 | | |
| Veal Fresh | Antibiotics | 59 | 59 | 0 | 0 | | | |
| | Arsenic | 2 | 2 | 0 | 0 | | | |
| | Avermectins | 35 | 35 | 0 | 0 | | | |
| | Chloramphenicol | 35 | 35 | 0 | 0 | | | |
| | Nitroimidazoles | 1 | 1 | 0 | 0 | | | |
| | Ractopamine | 40 | 40 | 0 | 0 | | | |
| | Sulfonamides | 35 | 35 | 0 | 0 | | | |
| | Thyreostats | 1 | 1 | 0 | 0 | | | |
| | Zeranol | 51 | 51 | 0 | 0 | | | |
| | Total | | 259 | 259 | 0 | 0 | | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|--------------------|----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|
| Croatia | Beef Fresh | Avermectins | 2 | 2 | 0 | 0 | |
| | | Total | 2 | 2 | 0 | 0 | |
| | Pork Processed | Arsenic | 6 | 6 | 0 | 0 | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | |
| Sulfonamides | | 6 | 6 | 0 | 0 | | |
| Total | 15 | 15 | 0 | 0 | | | |
| Costa Rica | Beef Fresh | Antibiotics | 8 | 8 | 0 | 0 | |
| | | Arsenic | 1 | 1 | 0 | 0 | |
| | | Avermectins | 56 | 54 | 1 | 1 | Ivermectin |
| | | Chloramphenicol | 9 | 9 | 0 | 0 | |
| | | Chlorinated HCs | 5 | 5 | 0 | 0 | |
| | | Chlorinated OPs | 5 | 5 | 0 | 0 | |
| | | Sulfonamides | 9 | 9 | 0 | 0 | |
| | | Total | 93 | 91 | 1 | 1 | |
| Denmark | Pork Fresh | Antibiotics | 16 | 16 | 0 | 0 | |
| | | Arsenic | 9 | 9 | 0 | 0 | |
| | | Avermectins | 1 | 1 | 0 | 0 | |
| | | Chlorinated HCs | 8 | 8 | 0 | 0 | |
| | | Chlorinated OPs | 7 | 7 | 0 | 0 | |
| | | Phenylbutazone | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 22 | 22 | 0 | 0 | |
| | | Thyreostats | 18 | 18 | 0 | 0 | |
| | | Total | 82 | 82 | 0 | 0 | |
| El Salvador | Beef Processed | Avermectins | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | Total | 2 | 2 | 0 | 0 | | |
| | Pork Fresh | Arsenic | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| Total | 2 | 2 | 0 | 0 | | | |
| Finland | Pork Fresh | Antibiotics | 7 | 7 | 0 | 0 | |
| | | Arsenic | 6 | 6 | 0 | 0 | |
| | | Avermectins | 1 | 1 | 0 | 0 | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 6 | 6 | 0 | 0 | |
| | | Thyreostats | 8 | 8 | 0 | 0 | |
| | | Total | 32 | 32 | 0 | 0 | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|----------------------|----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|
| France | Pork Processed | Arsenic | 4 | 4 | 0 | 0 | |
| | | Chlorinated HCs | 1 | 1 | 0 | 0 | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 4 | 4 | 0 | 0 | |
| | Total | | 10 | 10 | 0 | 0 | |
| Germany | Pork Processed | Arsenic | 10 | 10 | 0 | 0 | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 10 | 10 | 0 | 0 | |
| | Total | | 24 | 24 | 0 | 0 | |
| Great Britain | Pork Fresh | Arsenic | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | | Thyreostats | 1 | 1 | 0 | 0 | |
| | Total | | 3 | 3 | 0 | 0 | |
| Honduras | Beef Fresh | Antibiotics | 2 | 2 | 0 | 0 | |
| | | Avermectins | 2 | 1 | 0 | 1 | Ivermectin |
| | | Chloramphenicol | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 2 | 2 | 0 | 0 | |
| | Total | | 8 | 7 | 0 | 1 | |
| Hungary | Pork Processed | Arsenic | 4 | 4 | 0 | 0 | |
| | | Sulfonamides | 4 | 4 | 0 | 0 | |
| | Total | | 8 | 8 | 0 | 0 | |
| Ireland | Pork Fresh | Antibiotics | 8 | 8 | 0 | 0 | |
| | | Arsenic | 5 | 5 | 0 | 0 | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 7 | 7 | 0 | 0 | |
| | | Thyreostats | 7 | 7 | 0 | 0 | |
| | Total | | 31 | 31 | 0 | 0 | |
| Israel | Chicken | Arsenic | 1 | 1 | 0 | 0 | |
| | | Total | 1 | 1 | 0 | 0 | |
| | Turkey | Arsenic | 4 | 4 | 0 | 0 | |
| | | Nitroimidazoles | 8 | 8 | 0 | 0 | |
| | | Sulfonamides | 8 | 8 | 0 | 0 | |
| Total | | 20 | 20 | 0 | 0 | | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|--------------------|-----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|
| Italy | Pork Processed | Arsenic | 7 | 7 | 0 | 0 | |
| | | Chlorinated HCs | 7 | 7 | 0 | 0 | |
| | | Chlorinated OPs | 7 | 7 | 0 | 0 | |
| | | Sulfonamides | 7 | 7 | 0 | 0 | |
| | Total | | 28 | 28 | 0 | 0 | |
| Mexico | Beef Fresh | Antibiotics | 8 | 8 | 0 | 0 | |
| | | Avermectins | 8 | 8 | 0 | 0 | |
| | | Chloramphenicol | 8 | 8 | 0 | 0 | |
| | | Chlorinated HCs | 7 | 7 | 0 | 0 | |
| | | Chlorinated OPs | 7 | 7 | 0 | 0 | |
| | | Phenylbutazone | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 8 | 8 | 0 | 0 | |
| | Total | | 47 | 47 | 0 | 0 | |
| | Chicken | Arsenic | 8 | 8 | 0 | 0 | |
| | Total | | 8 | 8 | 0 | 0 | |
| | Goat Fresh | Arsenic | 9 | 9 | 0 | 0 | |
| | | Avermectins | 8 | 8 | 0 | 0 | |
| | | Nitroimidazoles | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | |
| | Total | | 19 | 19 | 0 | 0 | |
| Pork Fresh | Antibiotics | 6 | 6 | 0 | 0 | | |
| | Arsenic | 7 | 7 | 0 | 0 | | |
| | Sulfonamides | 7 | 7 | 0 | 0 | | |
| | Thyreostats | 6 | 6 | 0 | 0 | | |
| Total | | 26 | 26 | 0 | 0 | | |
| Turkey | Arsenic | 7 | 7 | 0 | 0 | | |
| | Sulfonamides | 7 | 7 | 0 | 0 | | |
| | Nitroimidazoles | 10 | 10 | 0 | 0 | | |
| Total | | 24 | 24 | 0 | 0 | | |
| Netherlands | Pork Fresh | Antibiotics | 8 | 8 | 0 | 0 | |
| | | Arsenic | 8 | 8 | 0 | 0 | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | |
| | | Sulfonamides | 8 | 8 | 0 | 0 | |
| | | Thyreostats | 9 | 9 | 0 | 0 | |
| | Total | | 36 | 36 | 0 | 0 | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues | |
|-----------------|------------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|--|
| New Zealand | Beef Fresh | Antibiotics | 43 | 42 | 1 | 0 | | |
| | | Avermectins | 45 | 45 | 0 | 0 | | |
| | | Chloramphenicol | 19 | 19 | 0 | 0 | | |
| | | Chlorinated HCs | 24 | 24 | 0 | 0 | | |
| | | Chlorinated OPs | 24 | 24 | 0 | 0 | | |
| | | Phenylbutazone | 24 | 24 | 0 | 0 | | |
| | | Sulfonamides | 45 | 45 | 0 | 0 | | |
| | | Total | | 224 | 223 | 1 | 0 | |
| | Goat Fresh | Arsenic | 7 | 7 | 0 | 0 | | |
| | | Avermectins | 7 | 7 | 0 | 0 | | |
| | | Chlorinated HCs | 2 | 2 | 0 | 0 | | |
| | | Chlorinated OPs | 2 | 2 | 0 | 0 | | |
| | | Total | | 18 | 18 | 0 | 0 | |
| | Lamb Fresh | Chlorinated HCs | 1 | 1 | 0 | 0 | | |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 | | |
| | | Phenylbutazone | 1 | 1 | 0 | 0 | | |
| | | Total | | 3 | 3 | 0 | 0 | |
| Veal Fresh | Antibiotics | 39 | 39 | 0 | 0 | | | |
| | Avermectins | 39 | 39 | 0 | 0 | | | |
| | Chloramphenicol | 37 | 37 | 0 | 0 | | | |
| | Ractopamine | 40 | 40 | 0 | 0 | | | |
| | Sulfonamides | 39 | 39 | 0 | 0 | | | |
| | Zeranol | 39 | 39 | 0 | 0 | | | |
| | Total | | 233 | 233 | 0 | 0 | | |
| Nicaragua | Beef Fresh | Antibiotics | 7 | 7 | 0 | 0 | | |
| | | Avermectins | 7 | 7 | 0 | 0 | | |
| | | Chloramphenicol | 6 | 6 | 0 | 0 | | |
| | | Chlorinated HCs | 6 | 6 | 0 | 0 | | |
| | | Chlorinated OPs | 6 | 6 | 0 | 0 | | |
| | | Sulfonamides | 7 | 7 | 0 | 0 | | |
| | | Total | | 39 | 39 | 0 | 0 | |
| | Pork Fresh | Chlorinated OPs | 1 | 1 | 0 | 0 | | |
| | | Total | | 1 | 1 | 0 | 0 | |
| | Northern Ireland | Pork Fresh | Chlorinated HCs | 1 | 1 | 0 | 0 | |
| Chlorinated OPs | | | 1 | 1 | 0 | 0 | | |
| | | Total | | 2 | 2 | 0 | 0 | |
| Norway | Beef Fresh | Avermectins | 1 | 1 | 0 | 0 | | |
| | | Chloramphenicol | 1 | 1 | 0 | 0 | | |
| | | Sulfonamides | 1 | 1 | 0 | 0 | | |
| | | Total | | 3 | 3 | 0 | 0 | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations | Specific Residues |
|-------------------|----------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|-------------------|
| Poland | Beef Fresh | Avermectins | 1 | 1 | 0 | 0 | |
| | Total | | 1 | 1 | 0 | 0 | |
| | Pork Processed | Arsenic | 11 | 11 | 0 | 0 | |
| | | Chlorinated HCs | 7 | 7 | 0 | 0 | |
| | | Chlorinated OPs | 7 | 7 | 0 | 0 | |
| | | Sulfonamides | 9 | 9 | 0 | 0 | |
| | Total | | 34 | 34 | 0 | 0 | |
| Spain | Pork Processed | Arsenic | 8 | 8 | 0 | 0 | |
| | | Chlorinated HCs | 10 | 8 | 2 | 0 | |
| | | Chlorinated OPs | 10 | 10 | 0 | 0 | |
| | | Sulfonamides | 8 | 8 | 0 | 0 | |
| | Total | | 36 | 34 | 2 | 0 | |
| Sweden | Pork Fresh | Antibiotics | 1 | 1 | 0 | 0 | |
| | | Arsenic | 3 | 3 | 0 | 0 | |
| | | Thyreostats | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 2 | 2 | 0 | 0 | |
| | Total | | 8 | 8 | 0 | 0 | |
| Uruguay | Beef Fresh | Antibiotics | 30 | 30 | 0 | 0 | |
| | | Avermectins | 28 | 28 | 0 | 0 | |
| | | Chloramphenicol | 7 | 7 | 0 | 0 | |
| | | Chlorinated HCs | 26 | 26 | 0 | 0 | |
| | | Chlorinated OPs | 26 | 26 | 0 | 0 | |
| | | Phenylbutazone | 2 | 2 | 0 | 0 | |
| | | Sulfonamides | 28 | 28 | 0 | 0 | |
| | Total | | 147 | 147 | 0 | 0 | |
| Yugoslavia | Pork Processed | Chlorinated OPs | 1 | 1 | 0 | 0 | |
| | Total | | 1 | 1 | 0 | 0 | |

INTENSIFIED

Table 43, *Intensified Reinspection Results*, presents results for import products subject to intensified reinspection. The data includes the number of reported results, non-detects, non-violative positives, and violations found for each compound class tested by product class.

Table 43
Intensified Reinspection Results
2006 Import Residue Plan

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations |
|-------------------|----------------|--|-------------------------|--------------------|--------------------------------|-------------------|
| Argentina | Beef Fresh | Avermectins | 1 | 1 | 0 | 0 |
| | Total | | 1 | 1 | 0 | 0 |
| | Beef Processed | Avermectins Sulfonamides | 20 18 | 20 18 | 0 0 | 0 0 |
| | Total | | 38 | 38 | 0 | 0 |
| Brazil | Beef Processed | Chlorinated HCs Chlorinated OPs | 1 1 | 1 1 | 0 0 | 0 0 |
| | Total | | 2 | 2 | 0 | 0 |
| | | | | | | |
| Croatia | Pork Processed | Chlorinated HCs Chlorinated OPs | 2 2 | 2 2 | 0 0 | 0 0 |
| | Total | | 4 | 4 | 0 | 0 |
| | | | | | | |
| Costa Rica | Beef Fresh | Avermectins Chloramphenicol Sulfonamides | 12 1 1 | 12 1 1 | 0 0 0 | 0 0 0 |
| | Total | | 14 | 14 | 0 | 0 |
| | | | | | | |
| | | | | | | |
| Denmark | Pork Fresh | Chlorinated OPs | 1 | 1 | 0 | 0 |
| | Total | | 1 | 1 | 0 | 0 |
| Finland | Pork Fresh | Chlorinated HCs Chlorinated OPs | 1 1 | 1 1 | 0 0 | 0 0 |
| | Total | | 2 | 2 | 0 | 0 |
| | | | | | | |

| Country | Product Class | Compound Class | Number Reported Results | Number Non Detects | Number Non-Violative Positives | Number Violations |
|--------------------|---------------|-----------------|-------------------------|--------------------|--------------------------------|-------------------|
| New Zealand | Goat Fresh | Chlorinated HCs | 1 | 1 | 0 | 0 |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 |
| | Total | | 2 | 2 | 0 | 0 |
| Sweden | Pork Fresh | Chlorinated HCs | 1 | 1 | 0 | 0 |
| | | Chlorinated OPs | 1 | 1 | 0 | 0 |
| | Total | | 2 | 2 | 0 | 0 |

APPENDIX I

Table AI
Analytical Methods
2006 National Residue Program

| Compound Class | Compound | Analytical Method | | | Minimum Proficiency Level ^a | | | |
|---------------------------------------|--|---------------------|---------------------------------|----------------------------------|--|---------------------------------|--|---------|
| | | Screen | Determinative (quantitative) | Confirmatory (identification) | Screen | Determinative (quantitative) | Confirmatory ^b (identification) | |
| Antibiotics | Carbadox | | GC-ECD | TBD | | 15 ppb | TBD | |
| | Chloramphenicol | ELISA | GC-ECD | GC-MS | 0.25 ppb (M) | 0.25 ppb (M) | 0.30 ppb (M) | |
| | Florfenicol | | HPLC | GC/SIM-MS | | 0.3 ppm (L) 0.2 ppm (M) | 0.5 ppm (L) 0.3 ppm (M) | |
| Antibiotics : <i>beta</i> -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 cephalirin | | | | | 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 | 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 AI – continued
Analytical Methods
2006 National Residue Program

| Compound Class | Compound | Analytical Method | | | Minimum Proficiency Level ^a | | | | |
|---------------------------------|------------------------------|---------------------|---------------------------------|----------------------------------|--|---------------------------------|--|--------------------------------------|--------------------------------------|
| | | Screen | Determinative (quantitative) | Confirmatory (identification) | Screen | Determinative (quantitative) | Confirmatory ^b (identification) | | |
| Antibiotics: Aminoglycosides | Amikacin | 7-Plate Bioassay | Bioassay | HPLC/MS- MS | | | 1.0 ppm (L,K), 0.4 ppm (M) | | |
| | Apramycin | | | | | | 0.4 ppm (K) 0.1 ppm (L,M) | | |
| | Dihydrostreptomycin | | | | | | 0.5 ppm | 0.4 ppm (L,K,M) | |
| | Gentamicin | | | | | | 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 | | | | | | | | |
| <i>beta</i> -Agonists | Cimaterol | ELISA | | | 6 ppb | | | | |
| | Clenbuterol | ELISA | | LC/MS-MS | 3 ppb | | TBD | | |
| | Ractopamine | | HPLC | LC/MS | | 1 ppb (M), 25 ppb (L) | 1 ppb | | |
| | Salbutamol | ELISA | | | 3 ppb | | | | |
| Heavy metals | Cadmium | | | ICP/MS | | | 10 ppb | | |
| | Lead | | | ICP/MS | | | 25 ppb | | |
| Hormones, synthetic | Diethylstilbesterol (DES) | | GC-MS | GC-MS | | 0.5 ppb | 0.5 ppb (L,M) | | |
| | Zeranol | ELISA | GC-MS | GC-MS | 0.5 ppb | 1.0 ppb | 1.0 ppb (L,M) | | |
| | <i>alpha</i> -Trenbolone | ELISA | | GC/MS-MS | 5.0 ppb | | 5.0 ppb (L) | | |
| | <i>beta</i> -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 AI – continued
Analytical Methods
2006 National Residue Program

| Compound Class | Compound | Analytical Method | | | Minimum Proficiency Level ^a | | |
|---|-----------------------------|-------------------|------------------------------|-------------------------------|--|------------------------------|--|
| | | Screen | Determinative (quantitative) | Confirmatory (identification) | Screen | Determinative (quantitative) | Confirmatory ^b (identification) |
| Nitroimidazoles | Hydroxydimetridazole | | HPLC | HPLC/MS/MS | | 1 ppb | 1 ppb |
| | Hydroxyipronidazole | | HPLC | HPLC/MS/MS | | 1 ppb | 1 ppb |
| Nonsteroidal Anti-inflammatory Drugs (NSAIDs) | Dipyrones ^c | HPLC | HPLC | | 0.2 ppm | 0.2 ppm | |
| | Flunixin | ELISA | HPLC | HPLC/ESI-MS-MS | 50 ppb | 62.5 ppb | 125 ppb |
| | 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 | | | | | | |

Table AI – continued
Analytical Methods
2006 National Residue Program

| Compound Class | Compound | Analytical Method | | | Minimum Proficiency Level ^a | | | |
|----------------------------|------------------------------|-------------------|---------------------------------|----------------------------------|--|---------------------------------|---|----------|
| | | Screen | Determinative (quantitative) | Confirmatory (identification) | Screen | Determinative (quantitative) | Confirmatory ^b (identification) | |
| Thyreostats (continued) | 2-Mercapto-1-methylimidazole | | | HPLC/MS-MS | | | 25 ppb | |
| | 6-Phenyl-2-thiouracil | | | | | | | |
| | 6-Propyl-2-thiouracil | | | | | | | |
| | 2-Thiouracil | | | | | | | |
| CHCs/COPs/PCBs | Aldrin | | | GC-MS | | 0.10 ppm | 0.01 ppm | |
| | <i>alpha</i> -BHC | | | | | 0.10 ppm | | |
| | Captan | | | | | 0.04 ppm | | |
| | Carbophenothion | | | | | 0.06 ppm | | |
| | Chlorfenvinphos | | | | | 0.05 ppm | | |
| | Chlorpyrifos | | | | | 0.10 ppm | | |
| | <i>cis</i> -chlordane | | | | | 0.30 ppm | | |
| | Coumaphos-O | | | | | 0.20 ppm | | |
| | Coumaphos-S | | | | | 0.20 ppm | | |
| | Dieldrin | | GPC with GC-EC | | | 0.10 ppm | | 0.01 ppm |
| | Endosulfan I | | | | | 0.02 ppm | | |
| | Endosulfan II | | | | | 0.04 ppm | | |
| | Endosulfan sulfate | | | | | 0.1 ppm | | 0.2 ppm |
| | Endrin | | | | | 0.10 ppm | | 0.03 ppm |
| | HCB | | | | | 0.10 ppm | | 0.01 ppm |
| | Heptachlor epoxide | | | | | 0.10 ppm | | 0.10 ppm |
| | Heptachlor | | | | | 0.10 ppm | | 0.01 ppm |
| Kepone | | | | 0.06 ppm | | | | |
| Lindane | | | | 0.10 ppm | 0.01 ppm | | | |
| Linuron | | | | 0.50 ppm | | | | |

Table AI – continued
Analytical Methods
2006 National Residue Program

| Compound Class | Compound | Analytical Method | | | Minimum Proficiency Level ^a | | | |
|-------------------------------|--------------|-------------------|---------------------------------|----------------------------------|--|---------------------------------|---|----------|
| | | Screen | Determinative (quantitative) | Confirmatory (identification) | Screen | Determinative (quantitative) | Confirmatory ^b (identification) | |
| CHCs/COPs/PCBs (continued) | Methoxychlor | | GPC with GC-EC | GC-MS | | 0.50 ppm | 0.15 ppm | |
| | Mirex | | | | | | 0.10 ppm | |
| | Nonachlor | | | | | | 0.15 ppm | |
| | o,p'-TDE | | | | | | 0.15 ppm | |
| | Oxychlorane | | | | | | 0.04 ppm | 0.1 ppm |
| | p,p'-DDE | | | | | | 0.10 ppm | 0.02 ppm |
| | p,p'-DDT | | | | | | 0.15 ppm | 0.04 ppm |
| | p,p'-TDE | | | | | | 0.15 ppm | 0.04 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 | | | | |
| <i>trans</i> -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. The presence of banned compounds and compounds at violative levels are confirmed using confirmatory methodology

c. 4-methylaminoantipyrine, 4-formylaminoantipyrine, and 4-aminoantipyrine

Table AI – *continued*
Analytical Methods
2006 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 Chromatography

GPC = Gel Permeation Chromatography

HPLC = High performance liquid chromatography

ICP = Inductively Coupled Plasma

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 II

APPENDIX II

STATISTICAL TABLE

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

**Table AIV
Statistical Table**

| 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 |

APPENDIX III

SUMMARY of SCHEDULED SAMPLING DATA FROM 2003 to 2005

Antibiotics (7-plate bioassay)

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|-------------------------|--------------------|----------------------|---|--------------------|----------------------|---|--------------------|----------------------|--------------------------------|
| | Number of Analyses | Number of violations | Specific antibiotic violations | Number of Analyses | Number of violations | Specific antibiotic violations | Number of Analyses | Number of violations | Specific antibiotic violations |
| Beef cows | 345 | 0 | ----- | 323 | 0 | ----- | 314 | 0 | ----- |
| Bison | ----- | ----- | ----- | ----- | ----- | ----- | 11 | 0 | ----- |
| Boars/Stags | ----- | ----- | ----- | 245 | 1 | 1 gentamicin | 275 | 0 | ----- |
| Bob veal | 303 | 24 | 22 neomycin, 1 gentamicin, 1 penicillin | 377 | 17 | 1 penicillin, 1 tilmicosin, 15 neomycin | 285 | 17 | 16 neomycin, 1 gentamicin |
| Bulls | ----- | ----- | ----- | ----- | ----- | ----- | 241 | 0 | ----- |
| Dairy cows | 293 | 0 | ----- | 439 | 3 | 3 penicillin | 211 | 2 | 1 penicillin, 1 gentamicin |
| Ducks | ----- | ----- | ----- | ----- | ----- | ----- | 247 | 0 | ----- |
| Formula-fed veal | 102 | 1 | 1 neomycin | 111 | 8 | 1 penicillin, 7 neomycin | 321 | 4 | 4 neomycin |
| Geese | ----- | ----- | ----- | ----- | ----- | ----- | 13 | 0 | ----- |
| Goats | ----- | ----- | ----- | ----- | ----- | ----- | 230 | 0 | ----- |
| Heavy calves | 211 | 1 | 1 gentamicin | 141 | 2 | 1 tilmicosin, 1 gentamicin | 252 | 2 | 1 neomycin, 1 gentamicin |
| Heifers | 445 | 0 | ----- | 469 | 1 | 1 gentamicin | 317 | 0 | ----- |
| Horses | 76 | 0 | ----- | ----- | ----- | ----- | 193 | 0 | ----- |

Antibiotics, continuation

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|----------------------|--------------------|----------------------|--------------------------------|--------------------|----------------------|--------------------------------|--------------------|----------------------|--------------------------------|
| | Number of Analyses | Number of violations | Specific antibiotic violations | Number of Analyses | Number of violations | Specific antibiotic violations | Number of Analyses | Number of violations | Specific antibiotic violations |
| Lambs | ----- | ----- | ----- | 222 | 0 | ----- | 290 | 0 | ----- |
| Market hogs | 233 | 0 | ----- | 948 | 0 | ----- | 299 | 0 | ----- |
| Mature chickens | ----- | ----- | ----- | 278 | 0 | ----- | 231 | 0 | ----- |
| Mature sheep | ----- | ----- | ----- | ----- | ----- | ----- | 183 | 0 | ----- |
| Mature turkeys | ----- | ----- | ----- | ----- | ----- | ----- | 210 | 0 | ----- |
| Non-formula-fed veal | 133 | 5 | 3 neomycin, 2 gentamicin | 97 | 3 | 1 tilmicosin, 2 neomycin | 160 | 9 | 9 neomycin |
| Rabbits | ----- | ----- | ----- | ----- | ----- | ----- | 54 | 1 | 1 penicillin |
| Ratites | ----- | ----- | ----- | ----- | ----- | ----- | 13 | 0 | ----- |
| Roaster pigs | ----- | ----- | ----- | ----- | ----- | ----- | 18 | 0 | ----- |
| Sows | 229 | 0 | ----- | 256 | 2 | 1 penicillin, 1 gentamicin | 298 | 1 | 1 penicillin |
| Squab | ----- | ----- | ----- | ----- | ----- | ----- | 21 | 0 | ----- |
| Steers | ----- | ----- | ----- | ----- | ----- | ----- | 306 | 0 | ----- |
| Young chickens | ----- | ----- | ----- | 364 | 1 | 1 neomycin | 297 | 0 | ----- |
| Young turkeys | ----- | ----- | ----- | ----- | ----- | ----- | 318 | 0 | ----- |

Arsenic

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Beef cows | ----- | ----- | ----- | ----- | 336 | 0 |
| Boars/Stags | ----- | ----- | ----- | ----- | 113 | 0 |
| Ducks | ----- | ----- | ----- | ----- | 336 | 1 |
| Egg products | 25 | 0 | 301 | 0 | 343 | 0 |
| Geese | ----- | ----- | ----- | ----- | 13 | 0 |
| Goats | ----- | ----- | 68 | 0 | 223 | 0 |
| Market hogs | ----- | ----- | ----- | ----- | 303 | 0 |
| Mature chickens | ----- | ----- | ----- | ----- | 202 | 0 |
| Mature turkeys | ----- | ----- | ----- | ----- | 97 | 1 |
| Roaster pigs | ----- | ----- | ----- | ----- | 18 | 0 |
| Sows | ----- | ----- | ----- | ----- | 252 | 0 |
| Young chickens | ----- | ----- | 547 | 0 | 1087 | 0 |
| Young turkeys | ----- | ----- | 377 | 0 | 502 | 0 |

Avermectins

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|----------------------|--------------------|----------------------|---------------------------------|--------------------|----------------------|---------------------------------|--------------------|----------------------|---------------------------------|
| | Number of Analyses | Number of violations | Specific avermectins violations | Number of Analyses | Number of violations | Specific avermectins violations | Number of Analyses | Number of violations | Specific avermectins violations |
| Beef cows | ----- | ----- | ----- | 285 | 0 | ----- | 341 | 0 | ----- |
| Bison | ----- | ----- | ----- | ----- | ----- | ----- | 5 | 0 | ----- |
| Boars/Stags | ----- | ----- | ----- | ----- | ----- | ----- | 134 | 0 | ----- |
| Bob veal | ----- | ----- | ----- | ----- | ----- | ----- | 105 | 0 | ----- |
| Bulls | 316 | 1 | 1 ivermectin | 277 | 2 | 2 ivermectin | 309 | 0 | ----- |
| Dairy cows | ----- | ----- | ----- | ----- | ----- | ----- | 189 | 0 | ----- |
| Formula-fed veal | ----- | ----- | ----- | ----- | ----- | ----- | 108 | 0 | ----- |
| Goats | 180 | 4 | 4 moxidectin | 232 | 12 | 1 ivermectin, 11 moxidectin | 307 | 5 | 5 moxidectin |
| Heavy calves | 200 | 3 | 3 ivermectin | ----- | ----- | ----- | 230 | 1 | 1 ivermectin |
| Heifers | ----- | ----- | ----- | ----- | ----- | ----- | 306 | 0 | ----- |
| Horses | 76 | 0 | ----- | ----- | ----- | ----- | 149 | 0 | ----- |
| Lambs | 160 | 1 | 1 moxidectin | ----- | ----- | ----- | 217 | 2 | 1 doramectin, 1 moxidectin |
| Market hogs | ----- | ----- | ----- | ----- | ----- | ----- | 302 | 0 | ----- |
| Mature sheep | 51 | 0 | ----- | 74 | 1 | 1 doramectin | 97 | 0 | ----- |
| Non-formula-fed veal | 69 | 0 | ----- | 63 | 0 | ----- | 89 | 1 | 1 doramectin |
| Rabbits | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Ratites | ----- | ----- | ----- | ----- | ----- | ----- | 7 | 0 | ----- |
| Roaster pigs | ----- | ----- | ----- | ----- | ----- | ----- | 18 | 0 | ----- |
| Sows | ----- | ----- | ----- | ----- | ----- | ----- | 267 | 0 | ----- |
| Steers | 1,046 | 1 | 1 ivermectin | ----- | ----- | ----- | 315 | 0 | ----- |

***beta*-Agonists**
(clenbuterol, salbutamol, and cimaterol)

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|-------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Formula-fed veal | 1,020 | 0 | 248 | 0 | ----- | ----- |
| Market hogs | ----- | ----- | 274 | 0 | 109 | 0 |
| Non-formula-fed veal | ----- | ----- | ----- | ----- | 19 | 0 |
| Steers | ----- | ----- | 254 | 0 | 176 | 0 |

***beta*-Agonists**
(ractopamine)

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|-------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Formula-fed veal | 109 | 0 | ----- | ----- | ----- | ----- |
| Market hogs | 74 | 0 | ----- | ----- | 189 | 0 |
| Steers | 240 | 0 | ----- | ----- | 135 | 0 |

Carbadox

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|-------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Market hogs | 243 | 0 | ----- | ----- | ----- | ----- |
| Roaster pigs | ----- | ----- | 188 | 2 | ----- | ----- |

Chlorinated hydrocarbons, Chlorinated organophosphates & Phenylbutazone

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|------------------|--------------------|----------------------|------------------------|--------------------|--------------------|---------------------|--------------------|----------------------|---------------------|
| | Number of Analyses | Number of violations | Specific violations | Number of Analyses | Number of Analyses | Specific violations | Number of Analyses | Number of violations | Specific violations |
| Beef cows | 313 | 0 | ----- | 315 | 0 | ----- | 367 | 0 | ----- |
| Bison | ----- | ----- | ----- | ----- | ----- | ----- | 9 | 0 | ----- |
| Boars/Stags | 209 | 0 | ----- | 252 | 2 | 2 halowax | 281 | 3 | 3 mirex |
| Bob veal | ----- | ----- | ----- | ----- | ----- | ----- | 237 | 0 | ----- |
| Bulls | 304 | 2 | 1 coumaphos, 1 PBDE | 263 | 0 | ----- | 251 | 0 | ----- |
| Dairy cows | 265 | 0 | ----- | 305 | 0 | ----- | 222 | 0 | ----- |
| Ducks | ----- | ----- | ----- | ----- | ----- | ----- | 248 | 0 | ----- |
| Egg products | 178 | 0 | ----- | 288 | 0 | ----- | 370 | 0 | ----- |
| Formula-fed veal | 257 | 0 | ----- | 263 | 0 | ----- | 238 | 0 | ----- |
| Geese | ----- | ----- | ----- | ----- | ----- | ----- | 15 | 0 | ----- |
| Goats | 199 | 2 | 2 PBDE | 222 | 0 | ----- | 247 | 0 | ----- |
| Heavy calves | 205 | 1 | 1 Dieldrin | 244 | 0 | ----- | 246 | 0 | ----- |
| Heifers | 537 | 0 | ----- | 442 | 0 | ----- | 313 | 1 | 1 PCB |
| Horses | 78 | 0 | ----- | ----- | ----- | ----- | 157 | 0 | ----- |

Chlorinated hydrocarbons, Chlorinated organophosphates & Phenylbutazone, *continuation*

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|----------------------|--------------------|----------------------|---------------------|--------------------|----------------------|---------------------|--------------------|----------------------|---------------------|
| | Number of Analyses | Number of violations | Specific violations | Number of Analyses | Number of violations | Specific violations | Number of Analyses | Number of violations | Specific violations |
| Lambs | 230 | 0 | ----- | 245 | 0 | ----- | 252 | 0 | ----- |
| Market hogs | 356 | 0 | ----- | 445 | 0 | ----- | 311 | 0 | ----- |
| Mature chickens | 77 | 0 | ----- | 103 | 0 | ----- | 221 | 0 | ----- |
| Mature sheep | 116 | 0 | ----- | 155 | 0 | ----- | 199 | 0 | ----- |
| Mature turkeys | 80 | 0 | ----- | 103 | 0 | ----- | 214 | 0 | ----- |
| Non-formula-fed veal | 174 | 0 | ----- | 101 | 1 | 1 DDT | 160 | 0 | ----- |
| Rabbits | ----- | ----- | ----- | ----- | ----- | ----- | 71 | 0 | ----- |
| Ratites | ----- | ----- | ----- | ----- | ----- | ----- | 10 | 0 | ----- |
| Roaster pigs | 217 | 0 | ----- | ----- | ----- | ----- | 20 | 0 | ----- |
| Sows | 215 | 0 | ----- | 247 | 0 | ----- | 243 | 0 | ----- |
| Squab | ----- | ----- | ----- | ----- | ----- | ----- | 22 | 0 | ----- |
| Steers | 556 | 0 | ----- | 432 | 0 | ----- | 313 | 0 | ----- |
| Young chickens | 426 | 0 | ----- | 484 | 0 | ----- | 476 | 0 | ----- |
| Young turkeys | 280 | 0 | ----- | 363 | 0 | ----- | 249 | 0 | ----- |

Chloramphenicol

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Dairy cows | 204 | 0 | 217 | 0 | 163 | 0 |
| Formula-fed veal | 92 | 0 | 100 | 0 | 327 | 0 |
| Mature chickens | 86 | 0 | 105 | 0 | --- | --- |
| Mature turkeys | 101 | 0 | 103 | 0 | --- | --- |
| Non-formula-fed veal | 118 | 0 | 70 | 0 | 143 | 0 |
| Young chickens | 211 | 0 | 282 | 0 | --- | --- |
| Young turkeys | 81 | 0 | 147 | 0 | --- | --- |

Diethylstilbestrol (DES)

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Formula-fed veal | ---- | ----- | ---- | ----- | 398 | 0 |

Florfenicol

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Dairy cows | 157 | 1 | 50 | 0 | ----- | ----- |
| Formula-fed veal | 114 | 0 | 63 | 0 | ----- | ----- |
| Non-formula fed veal | 84 | 5 | ----- | ----- | ----- | ----- |

Flunixin

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Bob veal | ----- | ----- | ---- | ----- | 85 | 0 |
| Dairy cows | ----- | ----- | 213 | 3 | 117 | 2 |

Melengestrol acetate (MGA)

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Heifers | 350 | 0 | 238 | 0 | 187 | 0 |

Nitrofurans

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|------------------|--------------------|----------------------|---------------------------------|--------------------|----------------------|---------------------------------|--------------------|----------------------|---------------------------------|
| | Number of Analyses | Number of violations | Specific nitrofurans violations | Number of Analyses | Number of violations | Specific nitrofurans violations | Number of Analyses | Number of violations | Specific nitrofurans violations |
| Dairy cows | 253 | 1 | 1 furazolidone | ----- | ----- | ----- | ----- | ----- | ----- |
| Formula-fed veal | 133 | 0 | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Heifers | 336 | 0 | ----- | ----- | ----- | ----- | ----- | ----- | ----- |
| Steers | 330 | 0 | ----- | ----- | ----- | ----- | ----- | ----- | ----- |

Nitroimidazoles

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Young turkeys | 251 | 0 | ---- | ----- | ---- | ----- |

Phenylbutazone (ELISA)

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Beef cows | ---- | ----- | 189 | 0 | ---- | ----- |
| Dairy cows | ---- | ----- | 237 | 2 | ---- | ----- |
| Formula fed veal | ---- | ----- | 13 | 0 | ---- | ----- |
| Heavy calves | ---- | ----- | 75 | 0 | ---- | ----- |
| Heifers | ---- | ----- | 91 | 0 | ---- | ----- |
| Sow | ---- | ----- | 1 | 0 | ---- | ----- |
| Steers | 874 | 0 | 96 | 0 | ---- | ----- |

Sulfonamides

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|------------------|--------------------|----------------------|----------------------------------|--------------------|----------------------|--------------------------------------|--------------------|----------------------|---------------------------------------|
| | Number of Analyses | Number of violations | Specific sulfonamides violations | Number of Analyses | Number of violations | Specific sulfonamides violations | Number of Analyses | Number of violations | Specific sulfonamides violations |
| Beef cows | 328 | 0 | ----- | 295 | 0 | ----- | 252 | 1 | 1 sulfadimethoxine |
| Bison | ---- | ----- | ----- | ---- | ----- | ----- | 8 | 0 | ----- |
| Boars/Stags | 152 | 1 | 1 sulfamethazine | 319 | 0 | ----- | 343 | 0 | ----- |
| Bob veal | 445 | 1 | 1 sulfadimethoxine | 364 | 1 | 1 sulfamethazine | 241 | 3 | 2 sulfadimethoxine, 1 sulfadiazine |
| Bulls | 304 | 0 | ----- | 317 | 0 | ----- | 328 | 1 | 1 sulfadimethoxine |
| Dairy cows | 289 | 0 | ----- | 296 | 0 | ----- | 141 | 2 | 2 sulfadimethoxine |
| Ducks | ---- | ----- | ----- | ---- | ----- | ----- | 95 | 0 | ----- |
| Egg products | 189 | 0 | ----- | 299 | 0 | ----- | 343 | 0 | ----- |
| Formula-fed veal | 93 | 0 | ----- | 152 | 0 | ----- | 275 | 0 | ----- |
| Geese | ---- | ----- | ----- | ---- | ----- | ----- | 17 | 0 | ----- |
| Goats | ---- | ----- | ----- | ---- | ----- | ----- | 247 | 0 | ----- |
| Heavy calves | 194 | 0 | ----- | 268 | 0 | ----- | 234 | 1 | 1 sulfamethazine |
| Heifers | ---- | ----- | ----- | ---- | ----- | ----- | 292 | 0 | ----- |
| Horses | ---- | ----- | ----- | ---- | ----- | ----- | 199 | 0 | ----- |
| Lambs | 159 | 0 | ----- | 230 | 0 | ----- | 227 | 0 | ----- |
| Market hogs | 348 | 3 | 3 sulfamethazine | 910 | 3 | 2 sulfamethazine, 1 sulfathiazole | 289 | 2 | 2 sulfamethazine |
| Mature chickens | ---- | ----- | ----- | ---- | ----- | ----- | 97 | 0 | ----- |

Sulfonamides, continuation

| Production Class | CY 2005 | | | CY 2004 | | | CY 2003 | | |
|----------------------|--------------------|----------------------|---------------------------------------|--------------------|----------------------|----------------------------------|--------------------|----------------------|---|
| | Number of Analyses | Number of violations | Specific sulfonamides violations | Number of Analyses | Number of violations | Specific sulfonamides violations | Number of Analyses | Number of violations | Specific sulfonamides violations |
| Mature turkeys | 76 | 0 | ----- | 69 | 1 | 1 sulfadimethoxine | 234 | 0 | ----- |
| Non-formula-fed veal | 122 | 0 | ----- | 143 | 0 | ----- | 164 | 2 | 1 sulfamethazine, 1 sulfamethoxazole |
| Ratites | --- | --- | ----- | --- | --- | ----- | 5 | 0 | ----- |
| Roaster pigs | 209 | 4 | 3 sulfamethazine , 1 sulfathiazole | --- | --- | ----- | 18 | 1 | 1 sulfamethazine |
| Sows | --- | --- | ----- | --- | --- | ----- | 300 | 0 | ----- |
| Squab | --- | --- | ----- | --- | --- | ----- | 20 | 0 | ----- |
| Steers | 517 | 0 | ----- | 319 | 0 | ----- | 288 | 1 | 1 sulfamethazine |
| Young chickens | --- | --- | ----- | --- | --- | ----- | 385 | 0 | ----- |
| Young turkeys | --- | --- | ----- | --- | --- | ----- | 234 | 0 | ----- |

Thyreostats

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Heifers | 302 | 0 | ---- | ----- | ---- | ----- |
| Steers | 336 | 0 | ---- | ----- | ---- | ----- |

Trenbolone

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Formula-fed veal | 1,076 | 0 | ---- | ----- | ---- | ----- |

Zeranol

| Production Class | CY 2005 | | CY 2004 | | CY 2003 | |
|-------------------------|--------------------|----------------------|--------------------|----------------------|--------------------|----------------------|
| | Number of Analyses | Number of violations | Number of Analyses | Number of violations | Number of Analyses | Number of violations |
| Formula-fed veal | 1,106 | 0 | ----- | ----- | 398 | 20 |