

Table 1
Import 5 Infected Animals in 1990
5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	170	5	8	69	240	620
Total Infected w/o Imports	160	0	3	64	230	610
Total Clinical	38	0	2	15	55	150
Probability N Infected > 0	0.0036	0	0	0	0	0
Mode of Infection						
Maternal	3.9	0	0	1	6	16
Spontaneous	0	0	0	0	0	0
Protein	160	0	3	62	230	600
Blood	0.28	0	0	0	0	2
Exogenous	0	0	0	0	0	0
Mode of Death						
Slaughter	110	3	6	50	170	430
Die on Farm - Render	43	0	2	16	61	170
Die on Farm - No Render	7.5	0	0	3	11	29
ID50 Sources						
From Slaughter	15,000	260	870	6,300	21,000	57,000
From Death on Farm	300,000	0	10,000	110,000	430,000	1,200,000
Disposition of ID50s						
1 To Prohibited MBM	26,000	0	0	8,200	38,000	110,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	280,000	480	11,000	110,000	410,000	1,100,000
4 To NP MBM - Contamination	0.25	0	0	0	0.0034	1
5 To NP MBM - Mislabeling	5,100	11	230	1,500	6,000	22,000
6 Out After Rendering	10,000	2.6	200	2,600	15,000	42,000
7 To Prohibited Feed	18,000	0	0	4,200	25,000	74,000
8 To NP Feed - Misdirected	2,400	0.3	30	440	2,400	12,000
9 To NP Feed - Contamination	0.25	0	0	0	0.0079	1
10 To NP Feed - Mislabeling	1,100	0	0	2.6	1,000	7,400
11 To Blood	16	0.000013	0.29	7	23	64
12 Out After Feed Production	18,000	0	2.6	4,600	26,000	76,000
13 Misfed to Cattle	270	0	0	0	2.6	1,100
14 Total to Cattle	2,800	0.2	28	460	2,700	14,000
15 Total Potential to Humans	660	0.077	35	270	950	2,500
Human Exposure						
Brain	81	0	0	0	160	340
Spinal Cord	31	0	0	0	40	130
Blood	0.85	0	0	0.000088	0.29	6.8
Distal Ileum	20	0	0	0	8.4	83
Contaminated Organ Meat	0.27	0	0	0	0.078	1.5
Eyes	0.0057	0	0	0	0	0.0032
Contaminated Muscle Meat	1.3	0.0014	0.097	0.55	1.8	4.8
AMR	320	0	9.7	130	480	1,200
Beef on Bone	200	0	3.1	81	300	770
Trigeminal Ganglia	0	0	0	0	0	0

Table 2
Import 5 Infected Animals in 1992
5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	67	5	6	21	100	260
Total Infected w/o Imports	62	0	1	16	96	250
Total Clinical	16	0	2	5	24	59
Probability N Infected > 0	0.0006	0	0	0	0	0
Mode of Infection						
Maternal	1.6	0	0	0	2	7
Spontaneous	0	0	0	0	0	0
Protein	61	0	1	16	93	240
Blood	0.11	0	0	0	0	1
Exogenous	0	0	0	0	0	0
Mode of Death						
Slaughter	46	3	5	15	69	170
Die on Farm - Render	18	0	2	5	28	67
Die on Farm - No Render	3.1	0	0	1	5	13
ID50 Sources						
From Slaughter	6,100	260	630	2,100	8,600	24,000
From Death on Farm	120,000	0	10,000	40,000	190,000	470,000
Disposition of ID50s						
1 To Prohibited MBM	11,000	0	25	1,800	16,000	48,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	120,000	460	10,000	40,000	180,000	440,000
4 To NP MBM - Contamination	0.088	0	0	0	0	0.12
5 To NP MBM - Mislabeling	2,000	5.2	100	1,000	2,100	11,000
6 Out After Rendering	4,100	0.79	100	1,100	4,600	18,000
7 To Prohibited Feed	7,400	0	0	1,100	10,000	34,000
8 To NP Feed - Misdirected	970	0.08	21	120	1,100	3,300
9 To NP Feed - Contamination	0.088	0	0	0	0	0.1
10 To NP Feed - Mislabeling	440	0	0	0	100	2,000
11 To Blood	6.4	0	0.14	1.3	9.4	27
12 Out After Feed Production	7,700	0.000011	5.5	1,100	11,000	34,000
13 Mifed to Cattle	100	0	0	0	0	230
14 Total to Cattle	1,100	0.08	14	120	1,200	6,400
15 Total Potential to Humans	260	0.076	18	99	350	1,000
Human Exposure						
Brain	38	0	0	0	0	170
Spinal Cord	12	0	0	0	0	66
Blood	0.34	0	0	0	0.055	0.98
Distal Ileum	7.4	0	0	0	0.26	17
Contaminated Organ Meat	0.092	0	0	0	0	0.57
Eyes	0.0018	0	0	0	0	0
Contaminated Muscle Meat	0.49	0.00074	0.078	0.23	0.67	1.9
AMR	130	0	8.2	57	170	490
Beef on Bone	74	0	0.096	26	110	300
Trigeminal Ganglia	0	0	0	0	0	0

Table 3
 Import 5 Infected Animals in 1994
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	17	5	5	6	11	84
Total Infected w/o Imports	12	0	0	1	6	79
Total Clinical	4.3	0	1	2	3	20
Probability N Infected > 0	0.0002	0	0	0	0	0
Mode of Infection						
Maternal	0.3	0	0	0	0	2
Spontaneous	0	0	0	0	0	0
Protein	12	0	0	1	6	77
Blood	0.031	0	0	0	0	0
Exogenous	0	0	0	0	0	0
Mode of Death						
Slaughter	12	2	3	4	8	56
Die on Farm - Render	4.6	0	1	2	3	23
Die on Farm - No Render	0.82	0	0	0	1	4
ID50 Sources						
From Slaughter	1,700	8.2	270	560	1,300	7,900
From Death on Farm	33,000	0	10,000	20,000	30,000	160,000
Disposition of ID50s						
1 To Prohibited MBM	3,100	0.0003	100	1,000	2,000	15,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	31,000	420	9,500	18,000	29,000	150,000
4 To NP MBM - Contamination	0.025	0	0	0	0	0.00084
5 To NP MBM - Mislabeling	390	0.083	4.9	30	130	1,300
6 Out After Rendering	1,100	0	2.8	100	1,000	9,700
7 To Prohibited Feed	2,100	0	5.1	200	1,100	11,000
8 To NP Feed - Misdirected	140	0	0.26	5.1	34	1,000
9 To NP Feed - Contamination	0.032	0	0	0	0	0.0025
10 To NP Feed - Mislabeling	160	0	0	0	0	1,000
11 To Blood	2	0	0.0028	0.16	0.87	9.8
12 Out After Feed Production	2,200	0.013	17	300	1,200	11,000
13 Misfed to Cattle	31	0	0	0	0	0.8
14 Total to Cattle	190	0	0.28	5.4	47	1,000
15 Total Potential to Humans	67	0.00071	0.79	18	71	290
Human Exposure						
Brain	11	0	0	0	0	5.2
Spinal Cord	3.6	0	0	0	0	2
Blood	0.093	0	0	0	0	0.16
Distal Ileum	1.8	0	0	0	0	8
Contaminated Organ Meat	0.036	0	0	0	0	0.014
Eyes	0.00058	0	0	0	0	0
Contaminated Muscle Meat	0.14	0.000023	0.0022	0.077	0.15	0.55
AMR	36	0	0.11	8.9	50	140
Beef on Bone	15	0	0	0.096	22	80
Trigeminal Ganglia	0	0	0	0	0	0

Table 4
 Import 5 Infected Animals in 1996
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	7.1	5	5	5	5	10
Total Infected w/o Imports	2.1	0	0	0	0	5
Total Clinical	2.1	0	1	2	3	4
Probability N Infected > 0	0	0	0	0	0	0
Mode of Infection						
Maternal	0.05	0	0	0	0	0
Spontaneous	0	0	0	0	0	0
Protein	2.1	0	0	0	0	5
Blood	0.011	0	0	0	0	0
Exogenous	0	0	0	0	0	0
Mode of Death						
Slaughter	4.7	1	3	3	4	8
Die on Farm - Render	2.1	0	1	2	2	4
Die on Farm - No Render	0.36	0	0	0	1	1
ID50 Sources						
From Slaughter	800	8	260	510	770	2,500
From Death on Farm	16,000	0	10,000	10,000	20,000	35,000
Disposition of ID50s						
1 To Prohibited MBM	1,600	5	100	840	1,100	10,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	15,000	270	9,000	10,000	19,000	31,000
4 To NP MBM - Contamination	0.012	0	0	0	0	0
5 To NP MBM - Mislabeling	92	0	0	0.77	8.4	250
6 Out After Rendering	570	0	0.28	25	220	2,000
7 To Prohibited Feed	1,100	0.015	25	130	1,000	8,100
8 To NP Feed - Misdirected	14	0	0	0	0.79	25
9 To NP Feed - Contamination	0.014	0	0	0	0	0
10 To NP Feed - Mislabeling	55	0	0	0	0	100
11 To Blood	0.79	0	0.00011	0.065	0.3	6.6
12 Out After Feed Production	1,100	0.22	26	130	1,000	9,700
13 Misfed to Cattle	12	0	0	0	0	0
14 Total to Cattle	32	0	0	0.0034	0.8	26
15 Total Potential to Humans	22	0.00071	0.72	5.5	15	95
Human Exposure						
Brain	3.8	0	0	0	0	0
Spinal Cord	1.6	0	0	0	0	0
Blood	0.032	0	0	0	0	0.023
Distal Ileum	0.58	0	0	0	0	0
Contaminated Organ Meat	0.0095	0	0	0	0	0
Eyes	0.00059	0	0	0	0	0
Contaminated Muscle Meat	0.052	3.8E-6	0.00074	0.0024	0.077	0.16
AMR	12	0	0.12	5.1	10	58
Beef on Bone	3.5	0	0	0	0.096	23
Trigeminal Ganglia	0	0	0	0	0	0

Table 5
 Import 5 Infected Animals in 1998
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	7.3	5	5	5	5	10
Total Infected w/o Imports	2.3	0	0	0	0	5
Total Clinical	2.2	0	1	2	3	4
Probability N Infected > 0	0.001	0	0	0	0	0
Mode of Infection						
Maternal	0.058	0	0	0	0	0
Spontaneous	0	0	0	0	0	0
Protein	2.2	0	0	0	0	5
Blood	0.014	0	0	0	0	0
Exogenous	0	0	0	0	0	0
Mode of Death						
Slaughter	4.7	1	3	3	4	7
Die on Farm - Render	2.1	0	1	2	2	4
Die on Farm - No Render	0.37	0	0	0	1	1
ID50 Sources						
From Slaughter	810	8	260	510	770	2,500
From Death on Farm	17,000	0	10,000	10,000	20,000	30,000
Disposition of ID50s						
1 To Prohibited MBM	1,700	5	100	570	1,100	10,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	16,000	270	9,000	10,000	19,000	30,000
4 To NP MBM - Contamination	0.012	0	0	0	0	2.7E-7
5 To NP MBM - Mislabeling	98	0	0	0.73	8.1	250
6 Out After Rendering	590	0	0.28	25	200	2,000
7 To Prohibited Feed	1,100	0.013	25	130	1,000	7,900
8 To NP Feed - Misdirected	15	0	0	0	0.8	25
9 To NP Feed - Contamination	0.017	0	0	0	0	4E-7
10 To NP Feed - Mislabeling	70	0	0	0	0	100
11 To Blood	0.76	0	0.00011	0.066	0.31	6.6
12 Out After Feed Production	1,100	0.2	27	130	1,000	10,000
13 Misfed to Cattle	20	0	0	0	0	0
14 Total to Cattle	47	0	0	0.0069	0.8	26
15 Total Potential to Humans	24	0.00071	0.56	5.4	14	95
Human Exposure						
Brain	5.5	0	0	0	0	0
Spinal Cord	1.5	0	0	0	0	0
Blood	0.048	0	0	0	0	0.038
Distal Ileum	0.39	0	0	0	0	0
Contaminated Organ Meat	0.012	0	0	0	0	0
Eyes	0.00015	0	0	0	0	0
Contaminated Muscle Meat	0.057	5E-6	0.00074	0.0025	0.077	0.16
AMR	13	0	0.057	5.1	10	58
Beef on Bone	3.5	0	0	0	0.096	23
Trigeminal Ganglia	0	0	0	0	0	0

Table 6
 Import 10000 ID50s in MBM (650 in Feed) in 1990
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	1,500	520	970	1,400	1,900	2,900
Total Infected w/o Imports	1,500	520	970	1,400	1,900	2,900
Total Clinical	340	110	220	310	440	660
Probability N Infected > 0	0.026	0	0	0	0	0
Mode of Infection						
Maternal	37	11	23	34	48	74
Spontaneous	0	0	0	0	0	0
Protein	1,400	440	880	1,300	1,800	2,700
Blood	2.5	0	1	2	4	7
Exogenous	62	55	59	62	65	69
Mode of Death						
Slaughter	1,000	360	680	960	1,300	2,000
Die on Farm - Render	390	130	250	360	500	750
Die on Farm - No Render	68	22	43	64	88	130
ID50 Sources						
From Slaughter	130,000	44,000	86,000	120,000	170,000	260,000
From Death on Farm	2,700,000	870,000	1,700,000	2,400,000	3,400,000	5,200,000
			0	0		
Disposition of ID50s						
1 To Prohibited MBM	230,000	65,000	140,000	210,000	300,000	470,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	2,500,000	830,000	1,600,000	2,300,000	3,200,000	4,900,000
			0	0		
4 To NP MBM - Contamination	1.9	0.00093	0.13	1	2.1	11
5 To NP MBM - Mislabeling	46,000	13,000	27,000	41,000	60,000	94,000
6 Out After Rendering	90,000	25,000	54,000	82,000	120,000	180,000
7 To Prohibited Feed	160,000	42,000	94,000	140,000	210,000	320,000
8 To NP Feed - Misdirected	21,000	4,400	11,000	19,000	28,000	48,000
9 To NP Feed - Contamination	2.2	0.0016	0.13	1.1	2.1	11
10 To NP Feed - Mislabeling	10,000	1,000	3,400	6,900	15,000	28,000
11 To Blood	150	43	90	130	190	310
12 Out After Feed Production	160,000	45,000	99,000	150,000	220,000	330,000
13 Misfed to Cattle	2,400	0.29	130	1,100	2,300	12,000
14 Total to Cattle	25,000	5,000	12,000	22,000	34,000	55,000
15 Total Potential to Humans	6,000	2,000	3,800	5,500	7,700	12,000
Human Exposure						
Brain	770	5.2	330	540	990	2,000
Spinal Cord	280	2	110	200	340	760
Blood	7.5	0.31	1.3	5.4	11	22
Distal Ileum	180	9.1	39	75	310	590
Contaminated Organ Meat	2.3	0.03	0.63	1.6	2.8	6.9
Eyes	0.048	0	0	0	0.1	0.2
Contaminated Muscle Meat	11	3.9	7.4	10	15	22
AMR	2,900	960	1,900	2,700	3,700	5,600
Beef on Bone	1,900	670	1,200	1,700	2,400	3,500
Trigeminal Ganglia	0	0	0	0	0	0

Table 7
 Import 10000 ID50s in MBM (650 in Feed) in 1992
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	610	220	400	570	780	1,100
Total Infected w/o Imports	610	220	400	570	780	1,100
Total Clinical	140	44	88	130	180	260
Probability N Infected > 0	0.016					
Mode of Infection						
Maternal	15	4	9	14	20	30
Spontaneous	0	0	0	0	0	0
Protein	530	150	330	500	690	1,000
Blood	0.98	0	0	0	1	4
Exogenous	62	54	59	62	65	69
Mode of Death						
Slaughter	420	160	280	400	540	780
Die on Farm - Render	160	51	100	150	200	290
Die on Farm - No Render	28	9	17	26	35	53
ID50 Sources						
From Slaughter	54,000	18,000	35,000	50,000	69,000	100,000
From Death on Farm	1,100,000	340,000	690,000	1,000,000	1,400,000	2,000,000
Disposition of ID50s						
1 To Prohibited MBM	95,000	22,000	55,000	87,000	130,000	200,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	1,000,000	330,000	650,000	950,000	1,300,000	1,900,000
4 To NP MBM - Contamination	0.83	0	0.0027	0.1	1	2.3
5 To NP MBM - Mislabeling	18,000	4,200	8,800	16,000	24,000	39,000
6 Out After Rendering	36,000	7,900	20,000	33,000	49,000	77,000
7 To Prohibited Feed	65,000	13,000	36,000	59,000	87,000	140,000
8 To NP Feed - Misdirected	8,300	1,500	3,500	5,800	13,000	22,000
9 To NP Feed - Contamination	0.84	0	0.0034	0.1	1	2.4
10 To NP Feed - Mislabeling	3,900	41	1,000	2,100	4,300	14,000
11 To Blood	58	15	35	53	75	120
12 Out After Feed Production	67,000	14,000	38,000	62,000	90,000	140,000
13 Misfed to Cattle	970	0	2.6	100	1,000	3,500
14 Total to Cattle	9,700	1,600	3,900	6,800	14,000	25,000
15 Total Potential to Humans	2,300	800	1,500	2,100	3,000	4,500
Human Exposure						
Brain	310	0	10	170	340	830
Spinal Cord	110	0	2.9	67	130	330
Blood	3.1	0.013	0.3	0.78	5.2	12
Distal Ileum	68	0	8.7	25	43	300
Contaminated Organ Meat	0.9	0	0.047	0.38	1.2	2.9
Eyes	0.02	0	0	0	0	0.1
Contaminated Muscle Meat	4.4	1.5	2.8	4	5.6	8.7
AMR	1,100	380	700	1,000	1,400	2,100
Beef on Bone	730	270	480	680	930	1,300
Trigeminal Ganglia	0	0	0	0	0	0

Table 8
 Import 10000 ID50s in MBM (650 in Feed) in 1994
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	180	76	100	160	220	360
Total Infected w/o Imports	180	76	100	160	220	360
Total Clinical	38	14	21	32	49	83
Probability N Infected > 0	0.0038					
Mode of Infection						
Maternal	4.2	0	2	3	6	11
Spontaneous	0	0	0	0	0	0
Protein	110	14	38	90	150	290
Blood	0.29	0	0	0	0	2
Exogenous	62	54	59	62	65	69
Mode of Death						
Slaughter	130	54	74	110	160	250
Die on Farm - Render	44	16	24	37	56	94
Die on Farm - No Render	7.7	2	4	6	10	17
ID50 Sources						
From Slaughter	16,000	5,300	8,600	13,000	20,000	34,000
From Death on Farm	300,000	100,000	170,000	250,000	390,000	650,000
Disposition of ID50s						
1 To Prohibited MBM	28,000	4,900	13,000	23,000	38,000	69,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	280,000	100,000	160,000	240,000	370,000	620,000
4 To NP MBM - Contamination	0.23	0	0	0	0.026	1
5 To NP MBM - Mislabeling	3,400	340	1,000	1,900	3,500	13,000
6 Out After Rendering	10,000	1,300	3,400	6,600	15,000	28,000
7 To Prohibited Feed	19,000	2,700	6,800	15,000	26,000	49,000
8 To NP Feed - Misdirected	1,100	110	250	570	1,200	2,700
9 To NP Feed - Contamination	0.27	0	0	0	0.028	1
10 To NP Feed - Mislabeling	1,300	0	23	220	1,100	10,000
11 To Blood	18	1.6	8.1	15	24	42
12 Out After Feed Production	20,000	3,200	7,600	16,000	27,000	50,000
13 Misfed to Cattle	300	0	0	0	26	1,100
14 Total to Cattle	1,600	120	280	730	1,600	10,000
15 Total Potential to Humans	760	260	450	660	950	1,500
Human Exposure						
Brain	88	0	0	0	160	330
Spinal Cord	31	0	0	0	65	130
Blood	0.9	0	0.0013	0.094	0.37	6.8
Distal Ileum	20	0	0	8	8.9	100
Contaminated Organ Meat	0.29	0	0	0.000046	0.2	1.4
Eyes	0.0077	0	0	0	0	0.0032
Contaminated Muscle Meat	1.4	0.49	0.81	1.2	1.7	3
AMR	380	120	230	340	480	740
Beef on Bone	240	81	150	220	310	480
Trigeminal Ganglia	0	0	0	0	0	0

Table 9
 Import 10000 ID50s in MBM (650 in Feed) in 1996
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	97	62	71	80	110	180
Total Infected w/o Imports	97	62	71	80	110	180
Total Clinical	21	10	14	18	23	44
Probability N Infected > 0	0.0016					
Mode of Infection						
Maternal	2.3	0	1	2	3	6
Spontaneous	0	0	0	0	0	0
Protein	32	2	7	14	42	120
Blood	0.14	0	0	0	0	1
Exogenous	62	55	59	62	65	69
Mode of Death						
Slaughter	69	43	51	58	78	130
Die on Farm - Render	24	12	16	20	26	50
Die on Farm - No Render	4.2	1	2	4	5	9.5
ID50 Sources						
From Slaughter	8,500	3,900	5,300	7,000	10,000	19,000
From Death on Farm	160,000	71,000	110,000	140,000	190,000	340,000
Disposition of ID50s						
1 To Prohibited MBM	16,000	3,500	6,600	14,000	21,000	39,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	150,000	70,000	100,000	130,000	180,000	320,000
4 To NP MBM - Contamination	0.11	0	0	0	0.0025	1
5 To NP MBM - Mislabeled	1,100	74	160	390	1,200	3,100
6 Out After Rendering	5,500	360	1,600	3,100	6,600	16,000
7 To Prohibited Feed	11,000	1,700	3,800	7,000	15,000	28,000
8 To NP Feed - Misdirected	230	19	54	86	220	590
9 To NP Feed - Contamination	0.13	0	0	0	0.0026	1
10 To NP Feed - Mislabeled	610	0	2.5	28	300	2,100
11 To Blood	8.6	0.79	2.3	7.7	12	23
12 Out After Feed Production	11,000	1,800	4,200	7,500	15,000	28,000
13 Misfed to Cattle	160	0	0	0	2.5	1,000
14 Total to Cattle	450	25	62	110	320	1,400
15 Total Potential to Humans	340	100	200	290	420	700
Human Exposure						
Brain	46	0	0	0	5.2	170
Spinal Cord	18	0	0	0	2	67
Blood	0.44	0	0	0.0065	0.17	2.4
Distal Ileum	11	0	0	0	8.3	17
Contaminated Organ Meat	0.13	0	0	0	0.016	0.78
Eyes	0.0029	0	0	0	0	0
Contaminated Muscle Meat	0.6	0.18	0.34	0.49	0.71	1.3
AMR	150	35	85	130	190	320
Beef on Bone	110	38	75	110	140	220
Trigeminal Ganglia	0	0	0	0	0	0

Table 10
 Import 10000 ID50s in MBM (25 in Feed) in 1998
 5000 Simulation Runs

Label	Mean	5th	25th	50th	75th	95th
Epidemic Statistics						
Total Infected	4	1	2	3	5	7
Total Infected w/o Imports	4	1	2	3	5	7
Total Clinical	0.84	0	0	0	1	3
Probability N Infected > 0	0.0002					
Mode of Infection						
Maternal	0.088	0	0	0	0	1
Spontaneous	0	0	0	0	0	0
Protein	0.64	0	0	0	0	0
Blood	0.0028	0	0	0	0	0
Exogenous	3.3	1	2	3	4	6
Mode of Death						
Slaughter	2.9	0	1	2	3	6
Die on Farm - Render	0.95	0	0	1	1	3
Die on Farm - No Render	0.15	0	0	0	0	1
ID50 Sources						
From Slaughter	370	0	16	260	510	900
From Death on Farm	6,700	0	0	2.8	10,000	20,000
Disposition of ID50s						
1 To Prohibited MBM	690	0	2.6	28	290	2,000
2 Eliminated by SRM ban	0	0	0	0	0	0
3 Eliminated by Rendering	6,300	0	230	490	9,900	20,000
4 To NP MBM - Contamination	0.0036	0	0	0	0	0
5 To NP MBM - Mislabeling	33	0	0	0	0	25
6 Out After Rendering	220	0	0	0.78	25	1,000
7 To Prohibited Feed	480	0	0.38	8.8	100	1,100
8 To NP Feed - Misdirected	0.78	0	0	0	0	0.00008
9 To NP Feed - Contamination	0.007	0	0	0	0	0
10 To NP Feed - Mislabeling	19	0	0	0	0	2.6
11 To Blood	0.2	0	0	0	0.076	0.43
12 Out After Feed Production	490	0	0.8	16	110	1,100
13 Misfed to Cattle	6.2	0	0	0	0	0
14 Total to Cattle	9.6	0	0	0	0	0.8
15 Total Potential to Humans	10	0	0.000022	3.1	7.1	36
Human Exposure						
Brain	1.6	0	0	0	0	0
Spinal Cord	0.69	0	0	0	0	0
Blood	0.013	0	0	0	0	0
Distal Ileum	0.66	0	0	0	0	0
Contaminated Organ Meat	0.0022	0	0	0	0	0
Eyes	0.000082	0	0	0	0	0
Contaminated Muscle Meat	0.021	0	8.3E-8	0.00071	0.0021	0.078
AMR	3.7	0	0	0.11	3.8	10
Beef on Bone	3.7	0	0	0.096	3.1	23
Trigeminal Ganglia	0	0	0	0	0	0