Appendix 4. Input and Output Values for Models Used to Estimate Costs of SRM and AMR Interim Final Rules, Including Information on Distributions

SRM AMR model v4 InputsOutputs Table 5feb04
3/14/2004 10:00 PM

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Output 1	Totals Additional AMR System Effects - Final Rule Option / Totals	AMR Impacts	G18	9744699	1.16E+07	1.35E+07	1.07E+07	5%	1.25E+07	95%	1765582	90%
Output 2	Total Additional SRM and AMR Effects - Final Rules / Totals	AMR Impacts	G21	9.26E+07	1.17E+08	1.47E+08	1.06E+08	5%	1.30E+08	95%	2.45E+07	90%
Output 3	subtotal brains effect / Affected Number of Pounds	SRMOption1	J15	328625.4	373343.3	419123.6	346027	5%	400549.3	95%	54522.31	90%
Output 4	subtotalsBrains	SRMOption1	N15	98971.72	128181.9	160209.2	113791	5%	142857.5	95%	29066.55	90%
Output 5	subtotal spinal cords effect / Affected Number of Pounds	SRMOption1	J24	50574.43	60300	70018.7	54168.12	5%	66446.4	95%	12280.28	90%
Output 6	subtotalsSpinalCord	SRMOption1	N24	349637.5	482436.4	612428	416504.3	5%	549513.5	95%	133009.2	90%
Output 7	subtotal tonsils edible rendering effect / Affected Number of Pounds	SRMOption1	J34	39738.32	41818.25	43906.88	40388.46	5%	43247.89	95%	2859.43	90%
Output 8	subtotalsSmallIntestines	SRMOption1	N34	2728.497	7627.135	12601.85	4625.276	5%	10436.33	95%	5811.049	90%
Output 9	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption1	J37	4.14E+08	4.32E+08	4.50E+08	4.20E+08	5%	4.44E+08	95%	2.46E+07	90%
Output 10	subtotalsSRMSegregation	SRMOption1	N62	144110.1	180000	215901.3	155382.8	5%	204614.1	95%	49231.36	90%
Output 11	total / subtotals Recordkeeping	SRMOption1	N89	1.19E+07	1.21E+07	1.24E+07	1.20E+07	5%	1.23E+07	95%	276507	90%
Output 12	Total / Avg Value Option 1	SRMOption1	M94	1.26E+07	1.29E+07	1.33E+07	1.28E+07	5%	1.31E+07	95%	312134	90%
Output 13	Cost-effectiveness ratio1 / Avg Value	SRMOption1	Z101	1208.169	3078.49	7651.388	2118.879	5%	4281.946	95%	2163.067	90%
Output 14	subtotal brains effect / Affected Number of Pounds	SRMOption2	J15	328159.7	373343.3	418782.9	346144.4	5%	400535.9	95%	54391.56	90%
Output 15	subtotalsBrains	SRMOption2	N15	99369.58	128182.4	160223.5	113826	5%	142741.3	95%	28915.32	90%
Output 16	subtotal spinal cords effect / Affected Number of Pounds	SRMOption2	J24	50657.49	60300	69918.91	54149.46	5%	66414.23	95%	12264.77	90%
Output 17	subtotalsSpinalCord	SRMOption2	N24	355115.5	482439.3	617804.5	416315.8	5%	549498.6	95%	133182.8	90%
Output 18	subtotals small intestines effect / Affected Number of Pounds	SRMOption2	J36	1.58E+08	1.60E+08	1.61E+08	1.59E+08	5%	1.61E+08	95%	1647088	90%
Output 19	subtotalsSmallIntestines	SRMOption2	N36	2.08E+07	2.76E+07	3.44E+07	2.46E+07	5%	3.05E+07	95%	5921924	90%
Output 20	subtotal tonsils edible rendering effect / Affected Number of Pounds	SRMOption2	J43	39737.16	41818.25	43901.63	40388.45	5%	43247.91	95%	2859.461	90%
Output 21	subtotalsSmallIntestines	SRMOption2	N43	2825.345	7527.051	12707.19	4624.363	5%	10448.01	95%	5823.646	90%
Output 22	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption2	J46	6.21E+08	6.48E+08	6.75E+08	6.30E+08	5%	6.66E+08	95%	3.69E+07	90%
Output 23	subtotalsSRMSegregation	SRMOption2	N61	216143.6	270000	323885.1	233075.3	5%	306920.8	95%	73845.27	90%
Output 24	total / subtotals Recordkeeping	SRMOption2	N98	1.31E+07	1.33E+07	1.36E+07	1.32E+07	5%	1.35E+07	95%	278205	90%
Output 25	Total / Avg Value Option 2	SRMOption2	M101	3.52E+07	4.18E+07	4.87E+07	3.88E+07	5%	4.48E+07	95%	5939432	90%
Output 26	Cost-effectiveness ratio2 / Avg Value	SRMOption2	Z106	157385.1	391615.3	960172	269694.1	5%	544181.1	95%	274487.1	90%
Output 27	subtotal brains effect / Affected Number of Pounds	SRMOption3IF	J15	328879.3	373343.3	417808.5	346188.8	5%	400632.2	95%	54443.41	90%
Output 28	subtotalsBrains	SRMOption3IF	N15	97861.82	128180.8	158798.1	113906.9	5%	142829.7	95%	28922.82	90%
Output 29	subtotal spinal cords effect / Affected Number of Pounds	SRMOption3IF	J24	50722.72	60300	70079.27	54162.99	5%	66434.57	95%	12271.58	90%
Output 30	subtotalsSpinalCord	SRMOption3IF	N24	353054.4	482439.5	609959.5	416485.4	5%	549217.9	95%	132732.4	90%
Output 31	subtotal AMR production effect / Affected Number of Pounds	SRMOption3IF	J32	2.41E+07	2.48E+07	2.55E+07	2.43E+07	5%	2.53E+07	95%	941902	90%
Output 32	subtotalsVertColumn	SRMOption3IF	N32	191285.4	6284846	1.23E+07	3456335	5%	9065359	95%	5609025	90%
Output 33	subtotal edible rendering effect / Affected Number of Pounds	SRMOption3IF	J39	595934.5	635637.4	675174.7	608472.5	5%	662799.6	95%	54327.06	90%
Output 34	subtotalsEdibleRendering	SRMOption3IF	N39	40009.82	114414.6	194447	70146.86	5%	159070.3	95%	88923.48	90%
Output 35	subtotal bone-in cuts effect / Affected Number of Pounds	SRMOption3IF	J46	1.07E+07	1.09E+07	1.10E+07	1.07E+07	5%	1.10E+07	95%	241240	90%
Output 36	subtotalsBoneInCuts	SRMOption3IF	N46	-2178033	1497774	4160492	-208590.3	5%	2913725	95%	3122315	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Output 37	subtotal market heads effect / Affected Number of Pounds	SRMOption3IF	J54	360174.3	424125	485508.5	388288.6	5%	460046	95%	71757.47	90%
Output 38	subtotalsSkullMktHeads	SRMOption3IF	N54	37387.38	76401.53	110168.7	59108.02	5%	93452.4	95%	34344.38	90%
Output 39	subtotals small intestines effect / Affected Number of Pounds	SRMOption3IF	J66	1.58E+08	1.60E+08	1.61E+08	1.59E+08	5%	1.61E+08	95%	1651936	90%
Output 40	subtotalsSmallIntestines	SRMOption3IF	N66	2.08E+07	2.76E+07	3.45E+07	2.46E+07	5%	3.06E+07	95%	5954448	90%
Output 41	subtotal tonsils edible rendering effect / Affected Number of Pounds	SRMOption3IF	J73	39735.32	41818.25	43903.34	40388.43	5%	43247.96	95%	2859.512	90%
Output 42	subtotalsSmallIntestines	SRMOption3IF	N73	2550.184	7527.002	12786.6	4616.288	5%	10446.03	95%	5829.743	90%
Output 43	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption3IF	J76	2.07E+09	2.16E+09	2.25E+09	2.10E+09	5%	2.22E+09	95%	1.23E+08	90%
Output 44	subtotalsSRMSegregation	SRMOption3IF	N96	720609.6	900000	1078933	776912.5	5%	1023073	95%	246160.1	90%
Output 45	total / subtotals Recordkeeping	SRMOption3IF	N142	2.38E+07	2.43E+07	2.48E+07	2.40E+07	5%	2.46E+07	95%	565568	90%
Output 46	subtotal ban non-ambulatory cattle / Affected Number of Pounds	SRMOption3IF	J149	2.13E+07	3.37E+07	5.38E+07	2.62E+07	5%	4.28E+07	95%	1.66E+07	90%
Output 47	subtotals Non-Ambulatory	SRMOption3IF	N149	2.53E+07	4.42E+07	7.23E+07	3.38E+07	5%	5.67E+07	95%	2.29E+07	90%
Output 48	Total / Avg Value Option 3	SRMOption3IF	M152	8.16E+07	1.06E+08	1.35E+08	9.42E+07	5%	1.19E+08	95%	2.45E+07	90%
Output 49	Cost-effectiveness ratio3 / Avg Value	SRMOption3IF	Z159	278363.2	691625.6	1638171	475714.1	5%	960954	95%	485239.9	90%
Output 50	subtotal beef AMR modifications / Affected Number of Pounds	AMRyieldredu	J20	1048594	1387200	1726050	1154706	5%	1619680	95%	464974	90%
Output 51	subtotal pork AMR modifications / Affected Number of Pounds	AMRyieldredu	J32	61365.67	64195.72	67022.3	62256.77	5%	66134.52	95%	3877.754	90%
Output 52	Total / Avg Value Option	AMRyieldredu	M38	1557999	2348473	3188353	1996143	5%	2709175	95%	713032.5	90%
Output 53	Cost-effectiveness ratio / Avg Value	AMRyieldredu	Y45	0	0	0	0	5%	0	95%	0	90%
Output 54	subtotal beef AMR noncompliance vertebrae / Affected Number of pound	AMRnoncomp	J17	1840356	1920000	1999632	1865295	5%	1974700	95%	109404.9	90%
Output 55	subtotal beef AMR noncompliance non-vertebrae / Affected Number of p	AMRnoncomp	J24	3751.094	4000	4248.677	3829.044	5%	4170.928	95%	341.8845	90%
Output 56	subtotal pork AMR noncompliance vertebrae / Affected Number of pound	AMRnoncomp	J36	3203206	3231393	3259585	3212004	5%	3250780	95%	38776.25	90%
Output 57	subtotal pork AMR noncompliance non-vertebrae / Affected Number of p	AMRnoncomp	J45	6663.447	6807.48	6951.735	6708.439	5%	6906.512	95%	198.0728	90%
Output 58	Total / Avg Value Option	AMRnoncomp	M49	2173679	2629884	3054517	2416581	5%	2839232	95%	422650.8	90%
Output 59	Cost-effectiveness ratio / Avg Value	AMRnoncomp	Y56	0	0	0	0	5%	0	95%	0	90%
Output 60	Total / Avg Value Option	AMRtesting	M36	4105725	5420800	6979202	4694611	5%	6232739	95%	1538128	90%
Output 61	subtotal recordkeeping / Affected Number of Pounds	AMRprocesso	K11	2.08E+08	2.11E+08	2.14E+08	2.09E+08	5%	2.12E+08	95%	3292000	90%
Output 62	subtotal recordkeeping / Cost per Establishment	AMRprocesso	N11	13141.93	13590	14036.74	13282.11	5%	13897.74	95%	615.6318	90%
Output 63	subtotal recordkeeping / subtotal	AMRprocesso	P11	735948.1	761040	786057.6	743798.3	5%	778273.7	95%	34475.38	90%
Output 64	subtotal packaging & holding / Affected Number of Pounds	AMRprocesso	K16	2.08E+08	2.11E+08	2.14E+08	2.09E+08	5%	2.12E+08	95%	3292000	90%
Output 65	subtotal packaging & holding / subtotal	AMRprocesso	P16	209665.4	421369.1	634782	277278.2	5%	565445.9	95%	288167.7	90%
Output 66	Total / Avg Value Option	AMRprocesso	O21	956655.6	1182409	1406145	1037805	5%	1327129	95%	289323.6	90%
Input 1	Brains: / Affected Yield as Percent of Live Weight	SRMOption1	F9	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 2	Brain export sales:variety meat / Affected Yield as Percent of Live Weight	SRMOption1	F10	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 3	Brain export sales:variety meat / $ per Pound	SRMOption1	L10	0.4301115	0.4533333	0.4798423	0.43707	5%	0.4713385	95%	3.43E-02	90%
Input 4	Brain domestic sales:variety meat / Affected Yield as Percent of Live Wei	SRMOption1	F11	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 5	Brain domestic sales:variety meat / $ per Pound	SRMOption1	L11	0.4300894	0.4533333	0.4798493	0.4370702	5%	0.4713381	95%	3.43E-02	90%
Input 6	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption1	F12	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 7	less operating costs i.e., labor & energy / $ per Pound	SRMOption1	L12	9.01E-02	0.1	0.1099513	9.32E-02	5%	0.1068377	95%	1.37E-02	90%
Input 8	alternative sales for industrial uses i.e., inedible tankage / Affected Yield	SRMOption1	F13	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 9	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption1	L13	2.01E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 10	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption1	F14	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 11	disposal - extra processing or haul-away costs / $ per Pound	SRMOption1	L14	1.01E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 12	Spinal Cords: / Affected Yield as Percent of Live Weight	SRMOption1	F17	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 13	Spinal Cord export sales:variety meats / Affected Yield as Percent of Live	SRMOption1	F18	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 14	Spinal Cord export sales:variety meats / $ per Pound	SRMOption1	L18	0.2900236	0.3	0.3099596	0.2931622	5%	0.3068374	95%	1.37E-02	90%
Input 15	Spinal Cord domestic sales:edible rendering / Affected Yield as Percent	SRMOption1	F19	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 16	Spinal Cord domestic sales:edible rendering / $ per Pound	SRMOption1	L19	0.150528	0.25	0.3498017	0.1816225	5%	0.318374	95%	0.1367515	90%
Input 17	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption1	F20	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 18	less operating costs i.e., labor & energy / $ per Pound	SRMOption1	L20	3.01E-02	0.04	5.00E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 19	alternative sales for industrial uses i.e., inedible tankage / Affected Yield	SRMOption1	F21	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 20	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption1	L21	0.0200601	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 21	Spinal Cord extraction/removal cost i.e., labor & energy / Affected Yield a	SRMOption1	F22	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 22	Spinal Cord extraction/removal cost i.e., labor & energy / $ per Pound	SRMOption1	L22	0.1900471	0.2	0.209968	0.1931619	5%	0.2068372	95%	1.37E-02	90%
Input 23	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption1	F23	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 24	disposal - extra processing or haul-away costs / $ per Pound	SRMOption1	L23	1.00E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 25	Tonsils domestic sales edible rendering / Affected Yield as Percent of Liv	SRMOption1	F30	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 26	Tonsils domestic sales edible rendering / $ per Pound	SRMOption1	L30	0.1504076	0.25	0.3498688	0.1816166	5%	0.3183758	95%	0.1367591	90%
Input 27	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption1	F31	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 28	less operating costs i.e., labor & energy / $ per Pound	SRMOption1	L31	5.01E-02	0.06	7.00E-02	0.0531619	5%	6.68E-02	95%	1.37E-02	90%
Input 29	alternative sales for industrial uses i.e., inedible tankage / Affected Yield	SRMOption1	F32	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 30	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption1	L32	2.01E-02	0.03	3.99E-02	0.023162	5%	3.68E-02	95%	1.37E-02	90%
Input 31	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption1	F33	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 32	disposal - extra processing or haul-away costs / $ per Pound	SRMOption1	L33	1.00E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 33	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption1	F37	0.4601127	0.48	0.4998759	0.4663235	5%	0.493675	95%	2.74E-02	90%
Input 34	SRMs segregation, separation, extra handling, dentition determination / $	SRMOption1	K37	0.2001529	0.25	0.299863	0.2158094	5%	0.2841883	95%	6.84E-02	90%
Input 35	large / Affected Yield as Percent of Live Weight	SRMOption1	F40	0.460098	0.48	0.499879	0.4663235	5%	0.4936747	95%	0.0273512	90%
Input 36	small / Affected Yield as Percent of Live Weight	SRMOption1	F41	0.4601019	0.48	0.4999817	0.4663234	5%	0.4936743	95%	2.74E-02	90%
Input 37	very small / Affected Yield as Percent of Live Weight	SRMOption1	F42	0.4600982	0.48	0.4998887	0.466324	5%	0.4936747	95%	2.74E-02	90%
Input 38	large / Affected Yield as Percent of Live Weight	SRMOption1	F46	0.4600437	0.48	0.4999331	0.4663243	5%	0.4936748	95%	2.74E-02	90%
Input 39	small / Affected Yield as Percent of Live Weight	SRMOption1	F47	0.4600705	0.48	0.4999089	0.4663235	5%	0.4936744	95%	2.74E-02	90%
Input 40	very small / Affected Yield as Percent of Live Weight	SRMOption1	F48	0.4600993	0.48	0.4999108	0.4663245	5%	0.4936747	95%	2.74E-02	90%
Input 41	Develop written procedures for SRMs, once annually / $ per Animal	SRMOption1	K57	5.02E-03	7.78E-03	0.0099896	5.91E-03	5%	9.35E-03	95%	3.44E-03	90%
Input 42	SRMs monitoring recordkeeping, daily, 300 days annually / $ per Animal	SRMOption1	K73	0.3250169	0.329375	0.3349645	0.3282498	5%	0.3331459	95%	6.90E-03	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 43	Gamma / Avg Value	SRMOption1	Z96	-2.5	-1.375558	15.25296	-2.478425	5%	1.318745	95%	3.797171	90%
Input 44	lognormal / Avg Value	SRMOption1	Z97	35.33103	95.60802	235.0958	65.37199	5%	133.1618	95%	67.78986	90%
Input 45	Brains: / Affected Yield as Percent of Live Weight	SRMOption2	F9	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 46	Brain export sales:variety meat / Affected Yield as Percent of Live Weight	SRMOption2	F10	7.01E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 47	Brain export sales:variety meat / $ per Pound	SRMOption2	L10	0.4300965	0.4533333	0.4798834	0.4370704	5%	0.4713388	95%	3.43E-02	90%
Input 48	Brain domestic sales:variety meat / Affected Yield as Percent of Live Wei	SRMOption2	F11	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 49	Brain domestic sales:variety meat / $ per Pound	SRMOption2	L11	0.4300702	0.4533333	0.4799232	0.437071	5%	0.4713397	95%	3.43E-02	90%
Input 50	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption2	F12	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 51	less operating costs i.e., labor & energy / $ per Pound	SRMOption2	L12	9.01E-02	0.1	0.109953	0.0931622	5%	0.1068375	95%	1.37E-02	90%
Input 52	alternative sales for industrial uses i.e., inedible tankage / Affected Yield	SRMOption2	F13	7.01E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 53	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption2	L13	2.00E-02	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 54	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption2	F14	7.01E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 55	disposal - extra processing or haul-away costs / $ per Pound	SRMOption2	L14	1.00E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 56	Spinal Cords: / Affected Yield as Percent of Live Weight	SRMOption2	F17	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 57	Spinal Cord export sales:variety meats / Affected Yield as Percent of Live	SRMOption2	F18	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 58	Spinal Cord export sales:variety meats / $ per Pound	SRMOption2	L18	0.2900321	0.3	0.3099931	0.2931622	5%	0.3068377	95%	1.37E-02	90%
Input 59	Spinal Cord domestic sales:edible rendering / Affected Yield as Percent c	SRMOption2	F19	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 60	Spinal Cord domestic sales:edible rendering / $ per Pound	SRMOption2	L19	0.1504878	0.25	0.3493728	0.1816227	5%	0.3183739	95%	0.1367513	90%
Input 61	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption2	F20	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 62	less operating costs i.e., labor & energy / $ per Pound	SRMOption2	L20	3.01E-02	0.04	5.00E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 63	alternative sales for industrial uses i.e., inedible tankage / Affected Yield	SRMOption2	F21	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 64	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption2	L21	2.01E-02	0.03	0.0399386	2.32E-02	5%	0.0368373	95%	1.37E-02	90%
Input 65	Spinal Cord extraction/removal cost i.e., labor & energy / Affected Yield a	SRMOption2	F22	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 66	Spinal Cord extraction/removal cost i.e., labor & energy / $ per Pound	SRMOption2	L22	0.1900149	0.2	0.2099371	0.1931622	5%	0.2068373	95%	1.37E-02	90%
Input 67	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption2	F23	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 68	disposal - extra processing or haul-away costs / $ per Pound	SRMOption2	L23	1.00E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 69	Small intestine export sales (casings) 40 meters in length / Affected Yield	SRMOption2	F29	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 70	Small intestine export sales (casings) 40 meters in length / $ per Pound	SRMOption2	L29	0.1601078	0.185	0.209877	0.1679049	5%	0.2020933	95%	3.42E-02	90%
Input 71	Small intestine export sales (trepas) 40 meters in length / Affected Yield	SRMOption2	F30	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 72	Small intestine export sales (trepas) 40 meters in length / $ per Pound	SRMOption2	L30	0.3202074	0.37	0.4198525	0.3358094	5%	0.4041889	95%	6.84E-02	90%
Input 73	Small intestine domestic sales (casings) 40 meters in length / Affected Yi	SRMOption2	F31	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 74	Small intestine domestic sales (casings) 40 meters in length / $ per Poun	SRMOption2	L31	0.1601322	0.185	0.2098877	0.1679048	5%	0.2020931	95%	3.42E-02	90%
Input 75	Small intestine domestic sales (trepas) 40 meters in length / Affected Yie	SRMOption2	F32	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 76	Small intestine domestic sales (trepas) 40 meters in length / $ per Pound	SRMOption2	L32	0.3203141	0.37	0.419697	0.3358112	5%	0.4041868	95%	6.84E-02	90%
Input 77	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption2	F33	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 78	less operating costs i.e., labor & energy / $ per Pound	SRMOption2	L33	6.01E-02	0.07	8.00E-02	6.32E-02	5%	7.68E-02	95%	0.0136759	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 79	alternative domestic sales for industrial uses i.e., inedible tankage / Affec	SRMOption2	F34	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 80	alternative domestic sales for industrial uses i.e., inedible tankage / $ per	SRMOption2	L34	2.00E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 81	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption2	F35	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 82	disposal - extra processing or haul-away costs / $ per Pound	SRMOption2	L35	1.01E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 83	Tonsils domestic sales edible rendering / Affected Yield as Percent of Liv	SRMOption2	F39	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 84	Tonsils domestic sales edible rendering / $ per Pound	SRMOption2	L39	0.1500961	0.25	0.3494274	0.1816171	5%	0.3183768	95%	0.1367598	90%
Input 85	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption2	F40	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 86	less operating costs i.e., labor & energy / $ per Pound	SRMOption2	L40	5.01E-02	0.06	7.00E-02	5.32E-02	5%	0.0668371	95%	1.37E-02	90%
Input 87	alternative sales for industrial uses i.e., inedible tankage / Affected Yield a	SRMOption2	F41	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 88	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption2	L41	2.00E-02	0.03	0.0399744	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 89	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption2	F42	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 90	disposal - extra processing or haul-away costs / $ per Pound	SRMOption2	L42	1.00E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 91	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption2	F46	0.460062	0.48	0.4999269	0.4663243	5%	0.4936751	95%	2.74E-02	90%
Input 92	SRMs segregation, separation, extra handling, dentition determination / $	SRMOption2	K46	0.200133	0.25	0.2998936	0.2158105	5%	0.2841857	95%	6.84E-02	90%
Input 93	large / Affected Yield as Percent of Live Weight	SRMOption2	F49	0.4600985	0.48	0.4999313	0.4663245	5%	0.4936742	95%	2.73E-02	90%
Input 94	small / Affected Yield as Percent of Live Weight	SRMOption2	F50	0.4600884	0.48	0.4999507	0.4663241	5%	0.4936744	95%	2.74E-02	90%
Input 95	very small / Affected Yield as Percent of Live Weight	SRMOption2	F51	0.4601236	0.48	0.4998861	0.4663236	5%	0.4936748	95%	0.0273512	90%
Input 96	large / Affected Yield as Percent of Live Weight	SRMOption2	F55	0.4600954	0.48	0.4998876	0.4663241	5%	0.4936747	95%	2.74E-02	90%
Input 97	small / Affected Yield as Percent of Live Weight	SRMOption2	F56	0.4600617	0.48	0.4999292	0.4663237	5%	0.4936748	95%	2.74E-02	90%
Input 98	very small / Affected Yield as Percent of Live Weight	SRMOption2	F57	0.4601088	0.48	0.4999782	0.466324	5%	0.4936745	95%	2.74E-02	90%
Input 99	Develop written procedures for SRMs, once annually / $ per Animal	SRMOption2	K65	8.01E-03	0.01089	1.30E-02	8.96E-03	5%	1.24E-02	95%	3.47E-03	90%
Input 100	SRMs monitoring recordkeeping, daily, 300 days annually / $ per Animal	SRMOption2	K81	0.3550178	0.359375	0.3649747	0.3562499	5%	0.3631456	95%	6.90E-03	90%
Input 101	Gamma / Avg Value	SRMOption2	Z103	-2.5	-1.375585	15.58623	-2.478426	5%	1.318306	95%	3.796732	90%
Input 102	lognormal / Avg Value	SRMOption2	Z104	37.14565	95.60799	228.2911	65.37022	5%	133.1599	95%	67.78964	90%
Input 103	Brains: / Affected Yield as Percent of Live Weight	SRMOption3IF	F9	7.01E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 104	Brain export sales:variety meat / Affected Yield as Percent of Live Weight	SRMOption3IF	F10	7.01E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 105	Brain export sales:variety meat / $ per Pound	SRMOption3IF	L10	0.4301245	0.4533333	0.4798455	0.4370708	5%	0.4713393	95%	0.0342685	90%
Input 106	Brain domestic sales:variety meat / Affected Yield as Percent of Live Wei	SRMOption3IF	F11	7.00E-04	0.0008	8.99E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 107	Brain domestic sales:variety meat / $ per Pound	SRMOption3IF	L11	0.4300409	0.4533333	0.4799636	0.43707	5%	0.471336	95%	3.43E-02	90%
Input 108	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption3IF	F12	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 109	less operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L12	9.00E-02	0.1	0.1099417	9.32E-02	5%	0.1068374	95%	1.37E-02	90%
Input 110	alternative sales for industrial uses i.e., inedible tankage / Affected Yield a	SRMOption3IF	F13	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 111	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption3IF	L13	2.00E-02	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 112	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F14	7.00E-04	0.0008	9.00E-04	7.32E-04	5%	8.68E-04	95%	1.37E-04	90%
Input 113	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L14	1.00E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 114	Spinal Cords: / Affected Yield as Percent of Live Weight	SRMOption3IF	F17	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 115	Spinal Cord export sales:variety meats / Affected Yield as Percent of Live	SRMOption3IF	F18	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 116	Spinal Cord export sales:variety meats / $ per Pound	SRMOption3IF	L18	0.2900577	0.3	0.3099587	0.2931618	5%	0.3068376	95%	1.37E-02	90%
Input 117	Spinal Cord domestic sales:edible rendering / Affected Yield as Percent c	SRMOption3IF	F19	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 118	Spinal Cord domestic sales:edible rendering / $ per Pound	SRMOption3IF	L19	0.1502962	0.25	0.3497216	0.1816169	5%	0.3183717	95%	0.1367548	90%
Input 119	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption3IF	F20	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 120	less operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L20	3.01E-02	0.04	4.99E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 121	alternative sales for industrial uses i.e., inedible tankage / Affected Yield :	SRMOption3IF	F21	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 122	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption3IF	L21	2.01E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 123	Spinal Cord extraction/removal cost i.e., labor & energy / Affected Yield a	SRMOption3IF	F22	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 124	Spinal Cord extraction/removal cost i.e., labor & energy / $ per Pound	SRMOption3IF	L22	0.1900606	0.2	0.2099465	0.1931623	5%	0.2068375	95%	0.0136752	90%
Input 125	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F23	2.50E-04	0.0003	3.50E-04	2.66E-04	5%	3.34E-04	95%	6.84E-05	90%
Input 126	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L23	1.01E-02	0.02	2.99E-02	1.32E-02	5%	0.0268374	95%	1.37E-02	90%
Input 127	Vertebral Columns: AMR Processes / Affected Yield as Percent of Live W	SRMOption3IF	F26	3.00E-02	0.04	4.99E-02	3.32E-02	5%	4.68E-02	95%	0.0136752	90%
Input 128	AMR production: domestic use / Affected Yield as Percent of Live Weight	SRMOption3IF	F27	7.00E-03	0.0072	7.40E-03	7.06E-03	5%	7.34E-03	95%	2.74E-04	90%
Input 129	AMR production: domestic use / $ per Pound	SRMOption3IF	L27	0.7006683	0.83	0.9495602	0.7418274	5%	0.9129149	95%	0.1710874	90%
Input 130	less AMR operating costs i.e., labor & energy / Affected Yield as Percent	SRMOption3IF	F28	7.00E-03	0.0072	7.40E-03	7.06E-03	5%	7.34E-03	95%	2.73E-04	90%
Input 131	less AMR operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L28	0.1501078	0.2	0.2497457	0.1658103	5%	0.2341866	95%	6.84E-02	90%
Input 132	alternative sales of hand deboned trimmings, 90% / Affected Yield as Per	SRMOption3IF	F29	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 133	alternative sales of hand deboned trimmings, 90% / $ per Pound	SRMOption3IF	L29	1.000606	1.186667	1.359438	1.059969	5%	1.30633	95%	0.2463406	90%
Input 134	less hand debone operating costs i.e., labor & increased insurance premi	SRMOption3IF	F30	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 135	less hand debone operating costs i.e., labor & increased insurance premi	SRMOption3IF	L30	0.2005546	0.3	0.3994583	0.2316222	5%	0.3683749	95%	0.1367527	90%
Input 136	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F31	0.0300576	0.04	4.99E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 137	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L31	1.00E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	0.0136757	90%
Input 138	Edible Rendering: Vert Bone-in Processes / Affected Yield as Percent of	SRMOption3IF	F34	3.00E-02	0.04	5.00E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 139	Edible Rendering Production: domestic use / Affected Yield as Percent of	SRMOption3IF	F35	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.73E-04	90%
Input 140	Edible Rendering Production: domestic use / $ per Pound	SRMOption3IF	L35	0.1506007	0.25	0.3496599	0.181621	5%	0.3183752	95%	0.1367542	90%
Input 141	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption3IF	F36	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 142	less operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L36	5.00E-02	0.06	7.00E-02	5.32E-02	5%	6.68E-02	95%	1.37E-02	90%
Input 143	alternative sales for industrial uses i.e., inedible tankage / Affected Yield :	SRMOption3IF	F37	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 144	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption3IF	L37	2.00E-02	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 145	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F38	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 146	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L38	1.01E-02	0.02	0.0299699	0.0131619	5%	2.68E-02	95%	1.37E-02	90%
Input 147	Bone-in cuts with vertebrae: / Affected Yield as Percent of Live Weight	SRMOption3IF	F41	0.0606011	0.0616	6.26E-02	6.09E-02	5%	6.23E-02	95%	1.37E-03	90%
Input 148	Bone-in cuts with vertebrae domestic sales / Affected Yield as Percent of	SRMOption3IF	F42	0.0606053	0.0616	6.26E-02	6.09E-02	5%	6.23E-02	95%	1.37E-03	90%
Input 149	Bone-in cuts with vertebrae domestic sales / $ per Pound	SRMOption3IF	L42	2.000636	2.216667	2.349564	2.072453	5%	2.320416	95%	0.247963	90%
Input 150	Bone-in extraction extra costs to remove body of vertebrae / Affected Yie	SRMOption3IF	F43	6.06E-02	0.0616	6.26E-02	0.0609162	5%	6.23E-02	95%	1.37E-03	90%

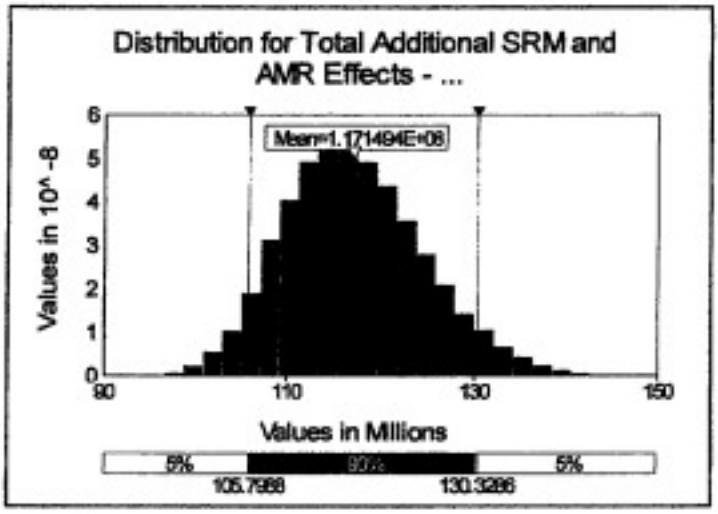
	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 151	Bone-in extraction extra costs to remove body of vertebrae / $ per Pound	SRMOption3IF	L43	0.110043	0.12	0.1299465	0.1131622	5%	0.1268373	95%	1.37E-02	90%
Input 152	alternative sales of cuts without vertebral bodies / Affected Yield as Perce	SRMOption3IF	F44	5.00E-02	0.051	5.20E-02	5.03E-02	5%	5.17E-02	95%	1.37E-03	90%
Input 153	alternative sales of cuts without vertebral bodies / $ per Pound	SRMOption3IF	L44	2.56043	2.66	2.759609	2.591619	5%	2.728372	95%	0.1367533	90%
Input 154	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F45	9.61E-03	0.0106	1.16E-02	9.92E-03	5%	1.13E-02	95%	1.37E-03	90%
Input 155	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L45	1.01E-02	0.02	3.00E-02	1.32E-02	5%	0.0268375	95%	1.37E-02	90%
Input 156	Market heads export sales / Affected Yield as Percent of Live Weight	SRMOption3IF	F49	0.0110051	0.013	1.50E-02	1.16E-02	5%	1.44E-02	95%	2.74E-03	90%
Input 157	Market heads export sales / $ per Animal	SRMOption3IF	K49	2.300249	2.4	2.499383	2.331619	5%	2.468377	95%	0.1367558	90%
Input 158	Market heads domestic sales / Affected Yield as Percent of Live Weight	SRMOption3IF	F50	1.10E-02	0.013	1.50E-02	1.16E-02	5%	1.44E-02	95%	2.74E-03	90%
Input 159	Market heads domestic sales / $ per Animal	SRMOption3IF	K50	5.302761	5.9	6.398175	5.496192	5%	6.251653	95%	0.7554612	90%
Input 160	alternative domestic sales of head & check meat / Affected Yield as Perc	SRMOption3IF	F51	4.60E-03	0.0048	5.00E-03	4.66E-03	5%	4.94E-03	95%	2.74E-04	90%
Input 161	alternative domestic sales of head & check meat / $ per Pound	SRMOption3IF	L51	0.6001815	0.7	0.7994359	0.6316189	5%	0.7683709	95%	0.136752	90%
Input 162	less hand debone operating costs i.e., labor, energy & increased insuran	SRMOption3IF	F52	4.60E-03	0.0048	5.00E-03	4.66E-03	5%	4.94E-03	95%	2.74E-04	90%
Input 163	less hand debone operating costs i.e., labor, energy & increased insuran	SRMOption3IF	L52	0.2004763	0.3	0.3997439	0.231621	5%	0.3683717	95%	0.1367507	90%
Input 164	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F53	8.00E-03	0.0082	8.40E-03	8.05E-03	5%	8.34E-03	95%	2.74E-04	90%
Input 165	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L53	0.010066	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 166	Small intestine export sales (casings) 40 meters in length / Affected Yield	SRMOption3IF	F59	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 167	Small intestine export sales (casings) 40 meters in length / $ per Pound	SRMOption3IF	L59	0.1601332	0.185	0.2098915	0.1679049	5%	0.202094	95%	3.42E-02	90%
Input 168	Small intestine export sales (trepas) 40 meters in length / Affected Yield a	SRMOption3IF	F60	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 169	Small intestine export sales (trepas) 40 meters in length / $ per Pound	SRMOption3IF	L60	0.3202166	0.37	0.4197583	0.3358085	5%	0.4041873	95%	6.84E-02	90%
Input 170	Small intestine domestic sales (casings) 40 meters in length / Affected Yi	SRMOption3IF	F61	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 171	Small intestine domestic sales (casings) 40 meters in length / $ per Poun	SRMOption3IF	L61	0.1601437	0.185	0.2099464	0.1679051	5%	0.2020935	95%	3.42E-02	90%
Input 172	Small intestine domestic sales (trepas) 40 meters in length / Affected Yie	SRMOption3IF	F62	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 173	Small intestine domestic sales (trepas) 40 meters in length / $ per Pound	SRMOption3IF	L62	0.3201654	0.37	0.4197504	0.3358108	5%	0.4041868	95%	0.068376	90%
Input 174	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption3IF	F63	8.70E-03	0.0088	0.0088996	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 175	less operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L63	6.01E-02	0.07	8.00E-02	6.32E-02	5%	7.68E-02	95%	1.37E-02	90%
Input 176	alternative domestic sales for industrial uses i.e., inedible tankage / Affec	SRMOption3IF	F64	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 177	alternative domestic sales for industrial uses i.e., inedible tankage / $ per	SRMOption3IF	L64	2.00E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	0.0136751	90%
Input 178	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F65	8.70E-03	0.0088	8.90E-03	8.73E-03	5%	8.87E-03	95%	1.37E-04	90%
Input 179	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L65	1.01E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 180	Tonsils domestic sales edible rendering / Affected Yield as Percent of Liv	SRMOption3IF	F69	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 181	Tonsils domestic sales edible rendering / $ per Pound	SRMOption3IF	L69	0.1501913	0.25	0.3496156	0.1816215	5%	0.3183758	95%	0.1367543	90%
Input 182	less operating costs i.e., labor & energy / Affected Yield as Percent of Liv	SRMOption3IF	F70	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 183	less operating costs i.e., labor & energy / $ per Pound	SRMOption3IF	L70	5.00E-02	0.06	7.00E-02	5.32E-02	5%	6.68E-02	95%	1.37E-02	90%
Input 184	alternative sales for industrial uses i.e., inedible tankage / Affected Yield a	SRMOption3IF	F71	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%
Input 185	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption3IF	L71	2.00E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 186	disposal - extra processing or haul-away costs / Affected Yield as Percen	SRMOption3IF	F72	1.90E-03	0.002	2.10E-03	1.93E-03	5%	2.07E-03	95%	1.37E-04	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 187	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L72	0.0100592	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 188	SRMs segregation, separation, extra handling, dentition determination / A	SRMOption3IF	F76	0.4601241	0.48	0.4999635	0.4663233	5%	0.4936748	95%	0.0273515	90%
Input 189	SRMs segregation, separation, extra handling, dentition determination / $	SRMOption3IF	K76	0.2001693	0.25	0.2997035	0.215809	5%	0.2841868	95%	6.84E-02	90%
Input 190	large / Affected Yield as Percent of Live Weight	SRMOption3IF	F78	0.4600967	0.48	0.499878	0.4663239	5%	0.4936751	95%	0.0273512	90%
Input 191	small / Affected Yield as Percent of Live Weight	SRMOption3IF	F79	0.4600988	0.48	0.4999537	0.4663234	5%	0.493875	95%	2.74E-02	90%
Input 192	very small / Affected Yield as Percent of Live Weight	SRMOption3IF	F80	0.4600874	0.48	0.4998919	0.4663243	5%	0.4936754	95%	2.74E-02	90%
Input 193	large / Affected Yield as Percent of Live Weight	SRMOption3IF	F84	0.460089	0.48	0.4998897	0.4663236	5%	0.4936744	95%	2.74E-02	90%
Input 194	small / Affected Yield as Percent of Live Weight	SRMOption3IF	F85	0.4601053	0.48	0.4999061	0.4663243	5%	0.4936746	95%	2.74E-02	90%
Input 195	very small / Affected Yield as Percent of Live Weight	SRMOption3IF	F86	0.4601253	0.48	0.4999195	0.4663239	5%	0.4936747	95%	2.74E-02	90%
Input 196	large / Affected Yield as Percent of Live Weight	SRMOption3IF	F90	0.4600116	0.48	0.4999087	0.4663243	5%	0.4936746	95%	2.74E-02	90%
Input 197	small / Affected Yield as Percent of Live Weight	SRMOption3IF	F91	0.4600849	0.48	0.4999341	0.4663242	5%	0.4936742	95%	2.74E-02	90%
Input 198	very small / Affected Yield as Percent of Live Weight	SRMOption3IF	F92	0.4600981	0.48	0.4998842	0.4663234	5%	0.4936746	95%	0.0273512	90%
Input 199	Develop written procedures for SRMs, once annually / $ per Animal	SRMOption3IF	K100	1.00E-02	1.56E-02	2.00E-02	1.18E-02	5%	1.87E-02	95%	6.88E-03	90%
Input 200	SRMs monitoring recordkeeping, daily, 300 days annually / $ per Animal	SRMOption3IF	K121	0.6500168	0.65875	0.6699394	0.6524995	5%	0.6662915	95%	1.38E-02	90%
Input 201	Ban non-ambulatory disabled cattle / Affected Percent Animals	SRMOption3IF	E145	5.00E-03	6.17E-03	8.00E-03	5.27E-03	5%	7.39E-03	95%	2.11E-03	90%
Input 202	Ban non-ambulatory disabled cattle / Affected Yield as Percent of Live W	SRMOption3IF	F145	0.3700599	0.38	0.3899483	0.3731619	5%	0.3868372	95%	1.37E-02	90%
Input 203	Ban non-ambulatory disabled cattle / Affected Proportion	SRMOption3IF	I145	0.3004175	0.4	0.4993931	0.3316221	5%	0.4683723	95%	0.1367503	90%
Input 204	Ban non-ambulatory disabled cattle / $ per Pound	SRMOption3IF	L145	1.200521	1.32	1.399769	1.239997	5%	1.379998	95%	0.1400012	90%
Input 205	less operating costs i.e., labor / Affected Percent Animals	SRMOption3IF	E146	5.00E-03	6.17E-03	7.99E-03	5.27E-03	5%	7.39E-03	95%	2.11E-03	90%
Input 206	less operating costs i.e., labor / Affected Yield as Percent of Live Weight	SRMOption3IF	F146	0.3700072	0.38	0.3899518	0.3731622	5%	0.3868373	95%	1.37E-02	90%
Input 207	less operating costs i.e., labor / Affected Proportion	SRMOption3IF	I146	0.3003608	0.4	0.4996171	0.3316203	5%	0.4683765	95%	0.1367562	90%
Input 208	less operating costs i.e., labor / $ per Pound	SRMOption3IF	L146	0.1100624	0.12	0.1299562	0.1131621	5%	0.1268375	95%	1.37E-02	90%
Input 209	alternative sales for industrial uses i.e., inedible tankage / Affected Perce	SRMOption3IF	E147	5.00E-03	6.17E-03	7.99E-03	5.27E-03	5%	7.39E-03	95%	2.11E-03	90%
Input 210	alternative sales for industrial uses i.e., inedible tankage / Affected Propo	SRMOption3IF	I147	0.5008864	0.6333333	0.7496936	0.5433007	5%	0.7146401	95%	0.1713396	90%
Input 211	alternative sales for industrial uses i.e., inedible tankage / $ per Pound	SRMOption3IF	L147	2.01E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 212	disposal - extra processing or haul-away costs / Affected Percent Animal	SRMOption3IF	E148	5.00E-03	6.17E-03	8.00E-03	5.27E-03	5%	7.39E-03	95%	2.11E-03	90%
Input 213	disposal - extra processing or haul-away costs / $ per Pound	SRMOption3IF	L148	3.00E-02	0.04	5.00E-02	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 214	Gamma / Avg Value	SRMOption3IF	Z154	-2.5	-1.375572	15.24602	-2.478434	5%	1.318755	95%	3.797189	90%
Input 215	lognormal / Avg Value	SRMOption3IF	Z155	37.82623	95.60792	228.8207	65.37035	5%	133.162	95%	67.79169	90%
Input 216	VertColumnBones / Yield Percent Live Weight	AMRyieldredu	F12	3.00E-02	0.04	0.0499481	3.32E-02	5%	4.68E-02	95%	1.37E-02	90%
Input 217	AMR production / Yield Percent Live Weight	AMRyieldredu	F13	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 218	AMR production / $ per Pound	AMRyieldredu	L13	0.850606	0.9833333	1.099846	0.8932985	5%	1.064639	95%	0.1713407	90%
Input 219	compliance modifications lower yield / Yield Percent Live Weight	AMRyieldredu	F14	3.08E-04	0.000408	5.08E-04	3.40E-04	5%	4.76E-04	95%	1.37E-04	90%
Input 220	compliance modifications lower yield / $ per Pound	AMRyieldredu	L14	0.8503488	0.9833333	1.099433	0.8932927	5%	1.064638	95%	0.1713455	90%
Input 221	compliance modifications extra costs / Yield Percent Live Weight	AMRyieldredu	F15	1.89E-03	0.001992	2.09E-03	1.92E-03	5%	2.06E-03	95%	1.37E-04	90%
Input 222	compliance modifications extra costs / $ per Pound	AMRyieldredu	L15	2.00E-02	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%

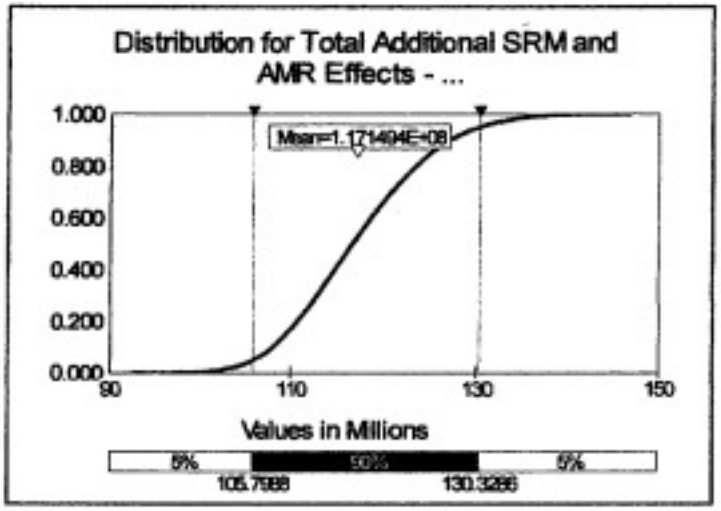
	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 223	alternative sales of product for edible rendering uses i.e., gelatin sales / Y	AMRyieldredu	F16	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 224	alternative sales of product for edible rendering uses i.e., gelatin sales / $	AMRyieldredu	L16	0.1504331	0.25	0.3496362	0.1816173	5%	0.3183737	95%	0.1367564	90%
Input 225	less operating costs i.e., labor & energy / Yield Percent Live Weight	AMRyieldredu	F17	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 226	less operating costs i.e., labor & energy / $ per Pound	AMRyieldredu	L17	5.01E-02	0.06	7.00E-02	5.32E-02	5%	6.68E-02	95%	1.37E-02	90%
Input 227	alternative sales of product for industrial uses i.e., inedible rendering / Yie	AMRyieldredu	F18	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 228	alternative sales of product for industrial uses i.e., inedible rendering / $ p	AMRyieldredu	L18	2.00E-02	0.03	3.99E-02	2.32E-02	5%	3.68E-02	95%	1.37E-02	90%
Input 229	disposal i.e., net extra processing or haul-away costs / Yield Percent Live	AMRyieldredu	F19	3.00E-03	0.0032	3.40E-03	3.06E-03	5%	3.34E-03	95%	2.74E-04	90%
Input 230	disposal i.e., net extra processing or haul-away costs / $ per Pound	AMRyieldredu	L19	1.01E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 231	AMR production / Yield Percent Live Weight	AMRyieldredu	F23	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 232	AMR production / $ per Pound	AMRyieldredu	L23	0.8506872	0.9833333	1.099431	0.8933002	5%	1.064638	95%	0.1713376	90%
Input 233	AMR production - sows / Yield Percent Live Weight	AMRyieldredu	F28	3.10E-03	0.0032	3.30E-03	3.13E-03	5%	3.27E-03	95%	1.37E-04	90%
Input 234	AMR production - sows / $ per Pound	AMRyieldredu	L28	0.2603065	0.3133333	0.3696783	0.2765803	5%	0.3518331	95%	7.53E-02	90%
Input 235	AMR production - market swine / Yield Percent Live Weight	AMRyieldredu	F29	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 236	AMR production - market swine / $ per Pound	AMRyieldredu	L29	0.2602022	0.3133333	0.3696783	0.2765829	5%	0.3518334	95%	7.53E-02	90%
Input 237	compliance modifications lower yield / Yield Percent Live Weight	AMRyieldredu	F30	2.16E-04	0.0002264	2.36E-04	2.20E-04	5%	2.33E-04	95%	1.37E-05	90%
Input 238	compliance modifications lower yield / $ per Pound	AMRyieldredu	L30	0.2601191	0.3133333	0.3697195	0.2765801	5%	0.3518331	95%	7.53E-02	90%
Input 239	compliance modifications extra costs / Yield Percent Live Weight	AMRyieldredu	F31	1.01E-02	0.0110943	1.21E-02	1.04E-02	5%	1.18E-02	95%	1.37E-03	90%
Input 240	compliance modifications extra costs / $ per Pound	AMRyieldredu	L31	2.01E-02	0.03	4.00E-02	2.32E-02	5%	3.68E-02	95%	0.0136755	90%
Input 241	AMR production - sows / Yield Percent Live Weight	AMRyieldredu	F35	4.60E-03	0.0046948	4.79E-03	4.63E-03	5%	4.76E-03	95%	1.37E-04	90%
Input 242	AMR production - sows / $ per Pound	AMRyieldredu	L35	0.2602997	0.3133333	0.3698129	0.2765801	5%	0.3518312	95%	0.0752511	90%
Input 243	AMR production - market swine / Yield Percent Live Weight	AMRyieldredu	F36	3.67E-03	0.0037735	3.87E-03	3.71E-03	5%	3.84E-03	95%	1.37E-04	90%
Input 244	AMR production - market swine / $ per Pound	AMRyieldredu	L36	0.2602451	0.3133333	0.3696771	0.2765828	5%	0.3518336	95%	0.0752508	90%
Input 245	Gamma / Avg Value	AMRyieldredu	Y40	-2.5	-1.37557	14.95703	-2.478427	5%	1.318315	95%	3.796742	90%
Input 246	lognormal / Avg Value	AMRyieldredu	Y41	33.59754	95.60854	262.2482	65.37171	5%	133.1599	95%	67.78817	90%
Input 247	AMR production / Yield Percent Live Weight	AMRnoncomp	F13	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 248	AMR production / $ per pound	AMRnoncomp	L13	0.8503783	0.9833333	1.099479	0.8932982	5%	1.064639	95%	0.1713406	90%
Input 249	noncompliance / Yield Percent Live Weight	AMRnoncomp	F14	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 250	noncompliance / $ per pound	AMRnoncomp	L14	0.8505362	0.9833333	1.099418	0.8932996	5%	1.064644	95%	0.1713441	90%
Input 251	alternative sales of noncompliant product for industrial uses i.e., animal fe	AMRnoncomp	F15	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 252	alternative sales of noncompliant product for industrial uses i.e., animal fe	AMRnoncomp	L15	2.00E-02	3.33E-02	4.99E-02	2.39E-02	5%	4.45E-02	95%	2.07E-02	90%
Input 253	disposal i.e., net extra processing or haul-away costs / Yield Percent Live	AMRnoncomp	F16	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 254	disposal i.e., net extra processing or haul-away costs / $ per pound	AMRnoncomp	L16	1.01E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	0.013675	90%
Input 255	AMR production / Yield Percent Live Weight	AMRnoncomp	F20	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 256	AMR production / $ per pound	AMRnoncomp	L20	0.8504388	0.9833333	1.099378	0.8932999	5%	1.064644	95%	0.1713436	90%
Input 257	noncompliance / Yield Percent Live Weight	AMRnoncomp	F21	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 258	noncompliance / $ per pound	AMRnoncomp	L21	0.8506727	0.9833333	1.099526	0.8932967	5%	1.064638	95%	0.1713412	90%

	Name	Worksheet	Cell	Minimum	Mean	Maximum	x1	p1	x2	p2	x2-x1	p2-p1
Input 259	alternative sales of noncompliant product for industrial uses i.e., animal fe	AMRnoncomp	F22	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 260	alternative sales of noncompliant product for industrial uses i.e., animal fe	AMRnoncomp	L22	2.01E-02	3.33E-02	4.99E-02	2.39E-02	5%	0.0445224	95%	2.07E-02	90%
Input 261	disposal i.e., net extra processing or haul-away costs / Yield Percent Live	AMRnoncomp	F23	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 262	disposal i.e., net extra processing or haul-away costs / $ per pound	AMRnoncomp	L23	1.00E-02	0.02	2.99E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 263	AMR production - sows / Yield Percent Live Weight	AMRnoncomp	F30	9.30E-03	0.0094	9.50E-03	9.33E-03	5%	9.47E-03	95%	1.37E-04	90%
Input 264	AMR production - sows / $ per pound	AMRnoncomp	L30	0.2601651	0.3133333	0.3696759	0.2765819	5%	0.3518319	95%	7.53E-02	90%
Input 265	AMR production - market swine / Yield Percent Live Weight	AMRnoncomp	F31	1.12E-02	0.0113207	1.14E-02	1.13E-02	5%	1.14E-02	95%	1.37E-04	90%
Input 266	AMR production - market swine / $ per pound	AMRnoncomp	L31	0.2601688	0.3133333	0.369826	0.2765805	5%	0.351834	95%	7.53E-02	90%
Input 267	noncompliance / Yield Percent Live Weight	AMRnoncomp	F33	1.13E-02	0.0113962	1.15E-02	1.13E-02	5%	1.15E-02	95%	1.37E-04	90%
Input 268	noncompliance / $ per pound	AMRnoncomp	L33	0.2600451	0.3133333	0.3699285	0.2765821	5%	0.3518324	95%	7.53E-02	90%
Input 269	alternative sales of noncompliant product for MS(pork) / Yield Percent Liv	AMRnoncomp	F34	1.13E-02	0.0113962	1.15E-02	1.13E-02	5%	1.15E-02	95%	1.37E-04	90%
Input 270	alternative sales of noncompliant product for MS(pork) / $ per pound	AMRnoncomp	L34	0.100012	0.11	0.1199397	0.103162	5%	0.1168377	95%	1.37E-02	90%
Input 271	disposal i.e., net extra processing or haul-away costs / Yield Percent Live	AMRnoncomp	F35	1.13E-02	0.0113962	1.15E-02	1.13E-02	5%	1.15E-02	95%	1.37E-04	90%
Input 272	disposal i.e., net extra processing or haul-away costs / $ per pound	AMRnoncomp	L35	0.0100388	0.02	0.0299751	1.32E-02	5%	2.68E-02	95%	0.0136756	90%
Input 273	AMR production - sows / Yield Percent Live Weight	AMRnoncomp	F39	4.60E-03	0.0047	4.80E-03	4.63E-03	5%	4.77E-03	95%	1.37E-04	90%
Input 274	AMR production - market swine / Yield Percent Live Weight	AMRnoncomp	F40	3.67E-03	0.0037735	3.87E-03	3.71E-03	5%	3.84E-03	95%	1.37E-04	90%
Input 275	noncompliance / Yield Percent Live Weight	AMRnoncomp	F42	4.60E-03	0.0047	4.80E-03	4.63E-03	5%	4.77E-03	95%	1.37E-04	90%
Input 276	noncompliance / $ per pound	AMRnoncomp	L42	0.2601816	0.3133333	0.3698408	0.2765813	5%	0.351831	95%	7.52E-02	90%
Input 277	alternative sales of noncompliant product for MS(pork) / Yield Percent Liv	AMRnoncomp	F43	4.60E-03	0.0047	4.80E-03	4.63E-03	5%	4.77E-03	95%	1.37E-04	90%
Input 278	alternative sales of noncompliant product for MS(pork) / $ per pound	AMRnoncomp	L43	0.1000565	0.11	0.1199808	0.1031621	5%	0.1168375	95%	1.37E-02	90%
Input 279	disposal i.e., net extra processing or haul-away costs / Yield Percent Live	AMRnoncomp	F44	4.60E-03	0.0047	4.80E-03	4.63E-03	5%	4.77E-03	95%	1.37E-04	90%
Input 280	disposal i.e., net extra processing or haul-away costs / $ per pound	AMRnoncomp	L44	1.00E-02	0.02	3.00E-02	1.32E-02	5%	2.68E-02	95%	1.37E-02	90%
Input 281	Gamma / Avg Value	AMRnoncomp	Y51	-2.5	-1.37551	18.1874	-2.478428	5%	1.318283	95%	3.796711	90%
Input 282	lognormal / Avg Value	AMRnoncomp	Y52	35.56781	95.6078	226.4305	65.37031	5%	133.1626	95%	67.79226	90%
Input 283	AMR production / Yield Percent Live Weight	AMRtesting	F14	2.30E-03	0.0024	2.50E-03	2.33E-03	5%	2.47E-03	95%	1.37E-04	90%
Input 284	AMR production / Yield Percent Live Weight	AMRtesting	F17	1.50E-03	0.0016	1.70E-03	1.53E-03	5%	1.67E-03	95%	1.37E-04	90%
Input 285	AMR production - sows / Yield Percent Live Weight	AMRtesting	F22	9.30E-03	0.0094	9.50E-03	9.33E-03	5%	9.47E-03	95%	1.37E-04	90%
Input 286	AMR production - market swine / Yield Percent Live Weight	AMRtesting	F23	1.12E-02	0.0113207	1.14E-02	1.13E-02	5%	1.14E-02	95%	1.37E-04	90%
Input 287	AMR production - sows / Yield Percent Live Weight	AMRtesting	F26	4.60E-03	0.0047	4.80E-03	4.63E-03	5%	4.77E-03	95%	1.37E-04	90%
Input 288	AMR production - market swine / Yield Percent Live Weight	AMRtesting	F27	3.67E-03	0.0037735	3.87E-03	3.71E-03	5%	3.84E-03	95%	1.37E-04	90%
Input 289	CNS-type tissue tests / $ per test	AMRtesting	K32	80.09059	94.66666	109.9893	84.58208	5%	105.1006	95%	20.51853	90%
Input 290	iron duplicated on same sample / $ per test	AMRtesting	K33	40.1003	66.66666	99.89642	47.74569	5%	89.04385	95%	41.29816	90%
Input 291	Recordkeeping - annual review of plan / $ per Hour	AMRprocessc	L9	29.00291	30	30.99502	29.31619	5%	30.68371	95%	1.367525	90%
Input 292	Recordkeeping - daily collection and recording of data / $ per Hour	AMRprocessc	L10	29.00623	30	30.99456	29.31619	5%	30.68375	95%	1.367558	90%
Input 293	Package & hold / $ per Pound	AMRprocessc	M14	5.00E-03	1.00E-02	1.50E-02	6.58E-03	5%	1.34E-02	95%	6.84E-03	90%

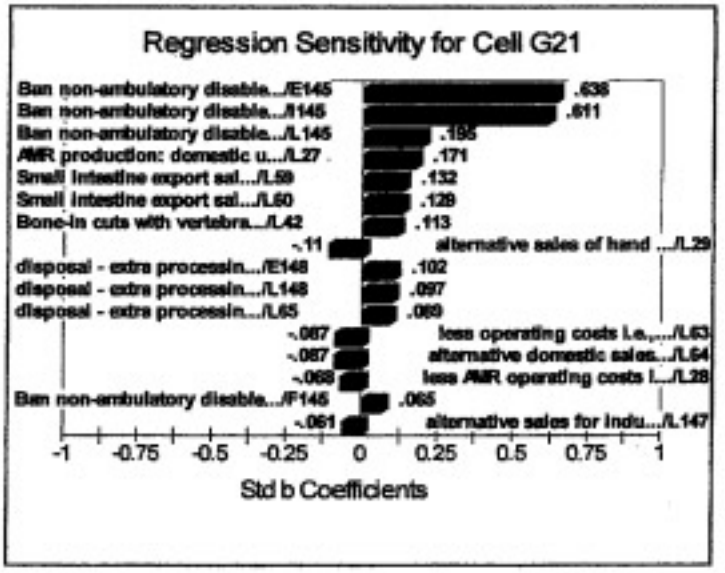
Simulation Results for
Total Additional SRM and AMR Effects - Final Rules / Totals / G21



Workbook Name	RM AMR model v4 5feb04.s
Number of Simulations	1
Number of Iterations	50000
Number of Inputs	293
Number of Outputs	66
Sampling Type	Latin Hypercube
Simulation Start Time	3/14/2004 21:27
Simulation Stop Time	3/14/2004 21:31
Simulation Duration	00:04:14
Random Seed	1312404104

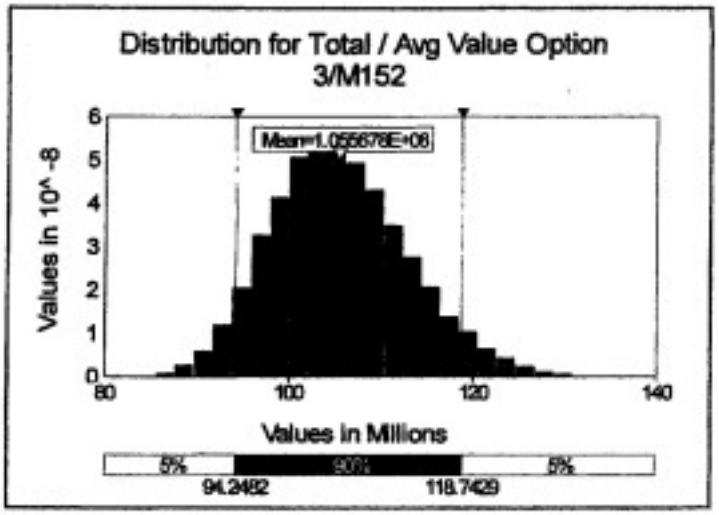


Minimum	92,607,400	5%	105,798,824
Maximum	146,761,440	10%	107,991,656
Mean	117,149,355	15%	109,463,448
Std Dev	7,440,413	20%	110,749,672
Variance	5.53597E+13	25%	111,874,608
Skewness	0.331826164	30%	112,885,336
Kurtosis	2.986839914	35%	113,824,600
Median	116,634,432	40%	114,764,392
Mode	109,872,488	45%	115,709,992
Left X	105,798,824	50%	116,634,432
Left P	5%	55%	117,608,912
Right X	130,328,616	60%	118,615,200
Right P	95%	65%	119,637,784
Diff X	24,529,792	70%	120,734,784
Diff P	90%	75%	121,943,904
#Errors	0	80%	123,320,448
Filter Min		85%	124,961,008
Filter Max		90%	127,038,904
#Filtered	0	95%	130,328,616

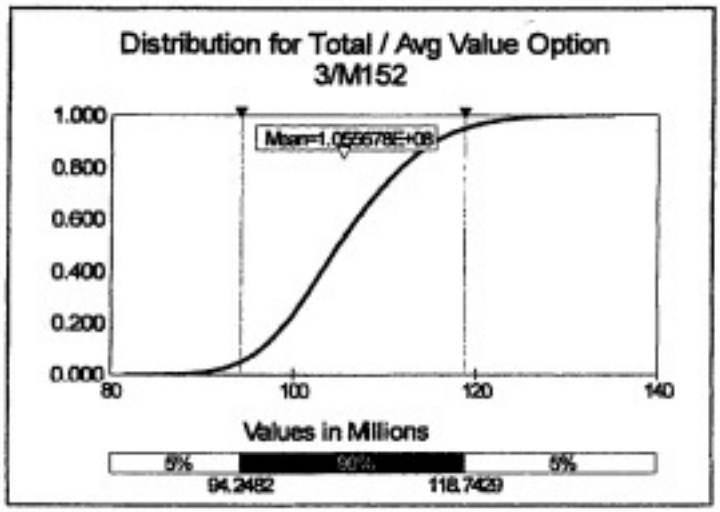


#1	Ban non-ambulato	0.638	0.625
#2	Ban non-ambulato	0.611	0.602
#3	Ban non-ambulato	0.195	0.196
#4	AMR production:	0.171	0.171
#5	Small Intestine ex	0.132	0.129
#6	Small Intestine ex	0.129	0.123
#7	Bone-in cuts with	0.113	0.109
#8	alternative sales c	-0.110	-0.112
#9	disposal - extra pr	0.102	0.104
#10	disposal - extra pr	0.097	0.090
#11	disposal - extra pr	0.089	0.082
#12	less operating cos	-0.087	-0.079
#13	alternative domes	-0.087	-0.083
#14	less AMR operatin	-0.068	-0.062
#15	Ban non-ambulato	0.065	0.066
#16	alternative sales f	-0.061	-0.061

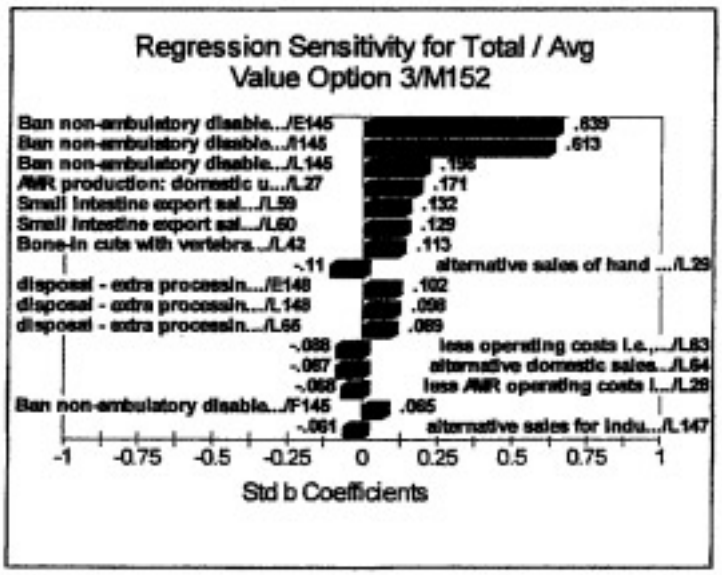
Simulation Results for
Total / Avg Value Option 3 / M152



Workbook Name	RM AMR model v4 5feb04.x
Number of Simulations	1
Number of Iterations	50000
Number of Inputs	293
Number of Outputs	66
Sampling Type	Latin Hypercube
Simulation Start Time	3/14/2004 21:27
Simulation Stop Time	3/14/2004 21:31
Simulation Duration	00:04:14
Random Seed	1312404104

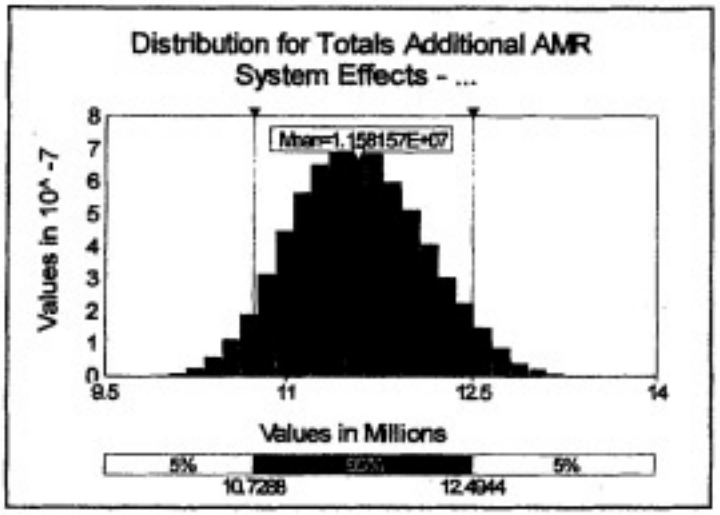


Minimum	81,598,600	5%	94,248,240
Maximum	134,933,280	10%	96,417,080
Mean	105,567,789	15%	97,908,904
Std Dev	7,421,569	20%	99,183,008
Variance	5.50797E+13	25%	100,296,400
Skewness	0.336962378	30%	101,316,448
Kurtosis	2.968193821	35%	102,251,584
Median	105,047,352	40%	103,188,784
Mode	103,839,768	45%	104,128,232
Left X	94,248,240	50%	105,047,352
Left P	5%	55%	106,030,224
Right X	118,742,920	60%	107,001,488
Right P	95%	65%	108,030,920
Diff X	24,494,680	70%	109,126,704
Diff P	90%	75%	110,346,408
#Errors	0	80%	111,725,736
Filter Min		85%	113,382,040
Filter Max		90%	115,466,536
#Filtered	0	95%	118,742,920

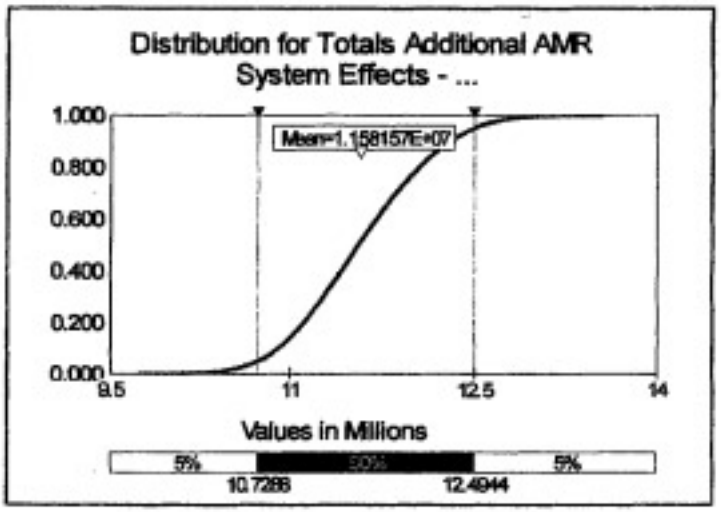


#1	Ban non-ambulat	0.639	0.627
#2	Ban non-ambulat	0.613	0.604
#3	Ban non-ambulat	0.196	0.196
#4	AMR production:	0.171	0.172
#5	Small intestine ex	0.132	0.130
#6	Small intestine ex	0.129	0.124
#7	Bone-in cuts with	0.113	0.110
#8	alternative sales c	-0.110	-0.112
#9	disposal - extra pr	0.102	0.104
#10	disposal - extra pr	0.098	0.090
#11	disposal - extra pr	0.089	0.081
#12	less operating cos	-0.088	-0.080
#13	alternative domes	-0.087	-0.084
#14	less AMR operati	-0.068	-0.062
#15	Ban non-ambulat	0.065	0.066
#16	alternative sales f	-0.061	-0.061

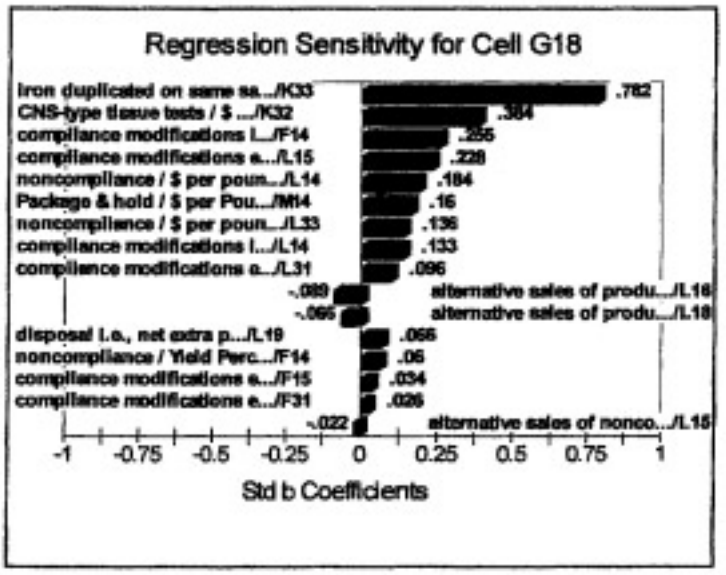
Simulation Results for
Totals Additional AMR System Effects - Final Rule Option / Totals / G18



Workbook Name	RM AMR model v4 5feb04.x
Number of Simulations	1
Number of Iterations	50000
Number of Inputs	293
Number of Outputs	68
Sampling Type	Latin Hypercube
Simulation Start Time	3/14/2004 21:27
Simulation Stop Time	3/14/2004 21:31
Simulation Duration	00:04:14
Random Seed	1312404104

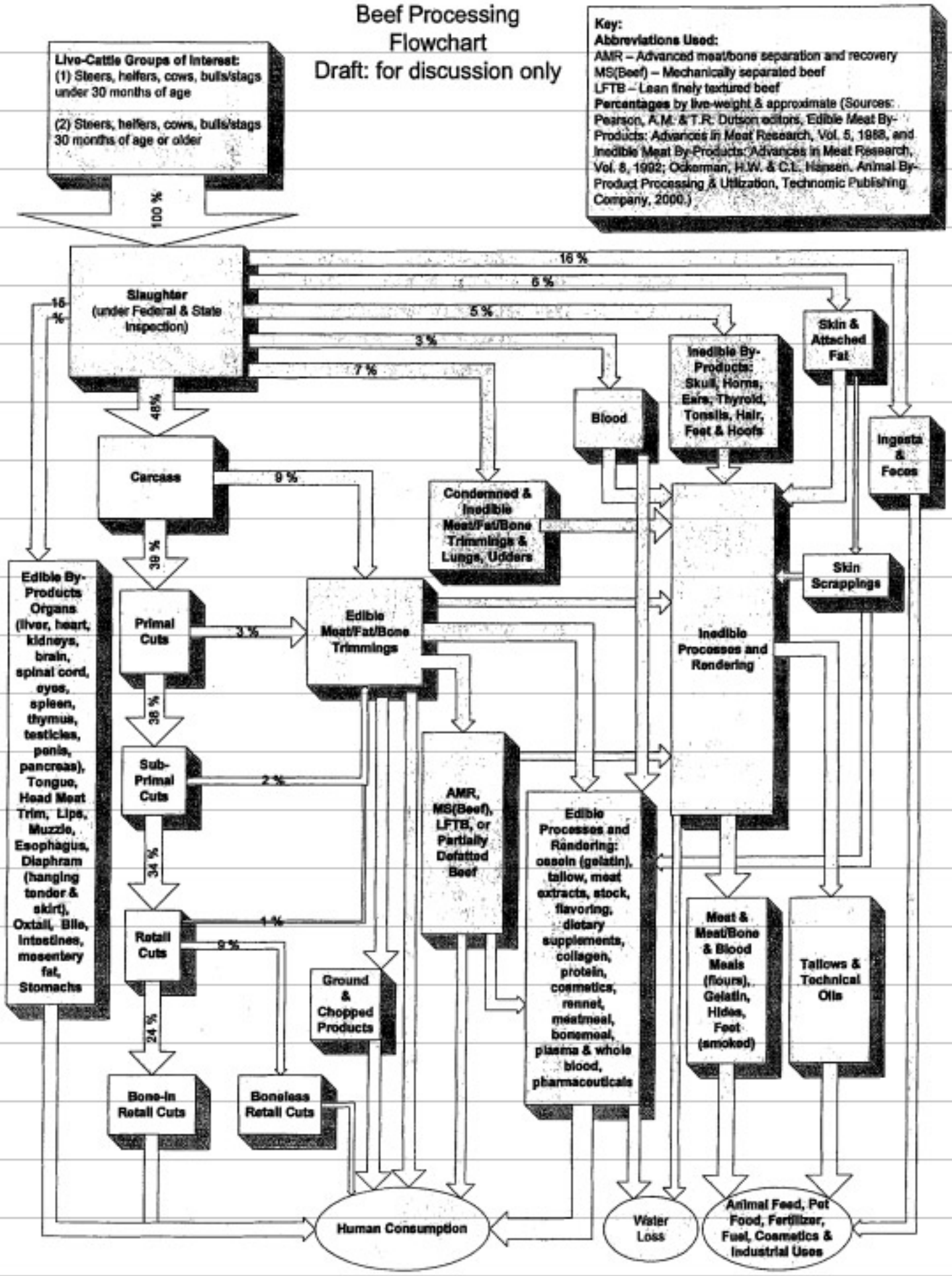


Minimum	9,744,699	5%	10,728,803
Maximum	13,539,011	10%	10,901,368
Mean	11,581,565	15%	11,019,847
Std Dev	536,121	20%	11,116,104
Variance	2.87426E+11	25%	11,200,290
Skewness	0.127033545	30%	11,278,909
Kurtosis	2.768505768	35%	11,353,648
Median	11,565,364	40%	11,427,193
Mode	11,103,485	45%	11,497,155
Left X	10,728,803	50%	11,565,364
Left P	5%	55%	11,634,983
Right X	12,494,385	60%	11,706,486
Right P	95%	65%	11,779,535
Diff X	1,765,582	70%	11,861,783
Diff P	90%	75%	11,945,641
#Errors	0	80%	12,041,894
Filter Min		85%	12,157,848
Filter Max		90%	12,296,419
#Filtered	0	95%	12,494,385



#1	Iron duplicated on	0.782	0.771
#2	CNS-type tissue t	0.384	0.368
#3	compliance modif	0.255	0.251
#4	compliance modif	0.228	0.217
#5	noncompliance / $	0.184	0.174
#6	Package & hold /	0.160	0.154
#7	noncompliance / $	0.136	0.125
#8	compliance modif	0.133	0.122
#9	compliance modif	0.096	0.084
#10	alternative sales c	-0.089	-0.081
#11	alternative sales c	-0.066	-0.061
#12	disposal i.e., net e	0.066	0.061
#13	noncompliance / Y	0.060	0.057
#14	compliance modif	0.034	0.044
#15	compliance modif	0.026	0.020
#16	alternative sales c	-0.022	-0.017

Beef Processing Flowchart
Draft: for discussion only



Non-ambulatory Cattle
February-04

Subclass	AM Hd Condmnd	Hd Slaughtered	Total Hd	Non-ambulatory Plt	Non-ambulatory US	Non-Amb Tot	% Non-amb
Beef Cow	650	189,098	189,748	211	125	336	0.1771
Bob Veal	831	22,618	23,449	6	69	75	0.3198
Bull/Stag	36	35,130	35,166	3	9	12	0.0341
Dairy Cow	2,132	201,218	203,350	766	515	1,281	0.6299
Formula-fed Veal	68	36,530	36,598	0	17	17	0.0465
Heavy Calf	11	2,914	2,925	0	2	2	0.0684
Heifer	134	822,135	822,269	8	29	37	0.0045
Non Formula-fed Veal	1	678	679	0	0	0	0.0000
Steer	192	1,110,505	1,110,697	4	24	28	0.0025
Total	4,055	2,420,826	2,424,881	998	790	1,788	0.0737

Formula:	C	D	E=C+D	F	G	H=F+G	I=100*H/E

Source: eADRS
Date: 3/10/2004
BE