



10.2. Appendix 2. Hypergeometric Tables

10.2.1. How to use a hypergeometric table

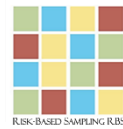
To determine Sample Size

Begin by locating the table with the **Lot Size** closest to the size of the actual lot. Lot size is noted in the top center of each table. In this example, use **Lot Size = 1000**.

1. Determine the maximum acceptable infestation level (titled **Percentage of Infestation Detected** in the chart below), or hereinafter in the text (= in risk level). In this example, maximum acceptable infestation level or percentage of infestation detected = **10%**.
2. Read across from **Percentage of Infestation detected** of 10% to the column representing the desired **Confidence level**. In this case, **95%**.
3. The corresponding cell value indicates the number of samples required. The results for this example would be 29. This means that 29 samples would be required to have 95% confidence that the infestation rate was not above 10%.

(Assuming 100% Efficiency) **Step 1**

Lot Size		1000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	148	173	205	258	368	497	
2%	77	90	108	138	204	290	
3%	52	61	73	94	141	203	
4%	39	46	55	71	107	156	
5%	31	37	44	57	86	126	
6%	26	31	37	48	72	106	
7%	22	26	32	41	62	91	
8%	20	23	28	36	54	80	
9%	17	20	25	32	48	71	
10%	16	18	22	29	43	64	
11%	14	17	20	26	39	58	
12%	13	15	18	24	36	53	
13%	12	14	17	22	33	49	
14%	11	13	16	20	31	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	27	39	
17%	9	11	13	16	25	37	
18%	9	10	12	16	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	



To determine Risk Levels (= Percentage of Infestation Detected)

Using the same chart we can determine the percentage of infestation that would be detected at various confidence levels with various sample sizes.

1. Begin by locating the table with the **lot size** closest to the size of the actual lot. In this example **Lot size = 1000**.
2. In the column titled **Confidence level** locate desired confidence level. In this case, **Confidence level = 95%**.
3. Reading down the **Confidence Level** column, we can select a sample size and then determine the **Percentage of Infestation Detected** (= risk level) associated with it. For example, we would have 95% confidence that a sample of 20 would detect an infestation rate of 14%. For a confidence level of 95%, larger sample sizes would be required to detect smaller infestation rates.

(Assuming 100% Efficiency) **Step 1**

Lot Size		1000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	148	173	205	258	368	497	
2%	77	90	108	138	204	290	
3%	52	61	73	94	141	203	
4%	39	46	55	71	107	156	
5%	31	37	44	57	86	126	
6%	26	31	37	48	72	106	
7%	22	26	32	41	62	91	
8%	20	23	28	36	54	80	
9%	17	20	25	32	48	71	
10%	16	18	22	29	43	64	
11%	14	17	20	26	39	58	
12%	13	15	18	24	36	53	
13%	12	14	17	22	33	49	
14%	11	13	16	20	31	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	27	39	
17%	9	11	13	16	25	37	
18%	9	10	12	16	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	



10.2.2. Abbreviated hypergeometric tables for Risk-Based Sampling in commodity inspection

Optimum Sample Sizes
 (Assuming 100% Efficiency)

Lot Size		100					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	80	85	90	95	99	100	
2%	56	61	69	78	90	97	
3%	42	47	54	63	78	90	
4%	33	38	44	52	68	81	
5%	27	31	37	45	59	74	
6%	23	27	32	39	53	67	
7%	20	24	28	34	47	61	
8%	18	21	25	31	43	56	
9%	16	19	22	28	39	52	
10%	15	17	20	25	36	48	
11%	13	16	18	23	33	45	
12%	12	14	17	21	31	42	
13%	11	13	16	20	29	39	
14%	11	12	15	19	27	37	
15%	10	12	14	17	25	35	
16%	9	11	13	16	24	33	
17%	9	10	12	15	22	31	
18%	8	10	11	15	21	30	
19%	8	9	11	14	20	28	
20%	7	9	10	13	19	27	
21%	7	8	10	12	18	26	
22%	7	8	9	12	17	25	
23%	7	8	9	11	17	24	
24%	6	7	9	11	16	23	
25%	6	7	8	10	15	22	
26%	6	7	8	10	15	21	
27%	6	6	8	10	14	20	
28%	5	6	7	9	14	19	
29%	5	6	7	9	13	19	
30%	5	6	7	9	13	18	
31%	5	6	7	8	12	17	
32%	5	5	6	8	12	17	
33%	4	5	6	8	11	16	
34%	4	5	6	8	11	16	
35%	4	5	6	7	11	15	
36%	4	5	6	7	10	15	
37%	4	5	5	7	10	14	
38%	4	4	5	7	10	14	
39%	4	4	5	6	10	14	
40%	4	4	5	6	9	13	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		200					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	111	123	137	155	180	194	
2%	66	75	87	105	136	164	
3%	47	54	63	78	106	136	
4%	36	42	50	62	86	114	
5%	30	34	41	51	73	98	
6%	25	29	34	43	62	86	
7%	22	25	30	38	55	76	
8%	19	22	26	33	49	68	
9%	17	20	23	30	44	62	
10%	15	18	21	27	40	56	
11%	14	16	19	25	36	52	
12%	13	15	18	23	33	48	
13%	12	14	16	21	31	44	
14%	11	13	15	19	29	41	
15%	10	12	14	18	27	39	
16%	10	11	13	17	25	36	
17%	9	10	13	16	24	34	
18%	8	10	12	15	22	32	
19%	8	9	11	14	21	31	
20%	8	9	11	14	20	29	
21%	7	8	10	13	19	28	
22%	7	8	10	12	18	26	
23%	7	8	9	12	17	25	
24%	6	7	9	11	17	24	
25%	6	7	8	11	16	23	
26%	6	7	8	10	15	22	
27%	6	6	8	10	15	21	
28%	5	6	7	9	14	21	
29%	5	6	7	9	14	20	
30%	5	6	7	9	13	19	
31%	5	6	7	8	13	18	
32%	5	5	6	8	12	18	
33%	5	5	6	8	12	17	
34%	4	5	6	8	11	17	
35%	4	5	6	7	11	16	
36%	4	5	6	7	11	16	
37%	4	5	6	7	10	15	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	14	
40%	4	4	5	6	9	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		300					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	125	141	161	189	235	270	
2%	70	81	95	117	160	204	
3%	49	57	67	84	119	159	
4%	37	44	52	66	94	129	
5%	30	35	42	54	78	109	
6%	25	30	36	45	66	93	
7%	22	26	31	39	58	82	
8%	19	22	27	34	51	73	
9%	17	20	24	31	46	65	
10%	15	18	22	28	41	59	
11%	14	16	20	25	37	54	
12%	13	15	18	23	34	50	
13%	12	14	17	21	32	46	
14%	11	13	15	20	30	43	
15%	10	12	14	18	28	40	
16%	10	11	13	17	26	38	
17%	9	11	13	16	24	35	
18%	9	10	12	15	23	33	
19%	8	9	11	14	22	32	
20%	8	9	11	14	20	30	
21%	7	8	10	13	19	28	
22%	7	8	10	12	19	27	
23%	7	8	9	12	18	26	
24%	6	7	9	11	17	25	
25%	6	7	8	11	16	24	
26%	6	7	8	10	15	23	
27%	6	7	8	10	15	22	
28%	5	6	7	10	14	21	
29%	5	6	7	9	14	20	
30%	5	6	7	9	13	19	
31%	5	6	7	9	13	19	
32%	5	5	6	8	12	18	
33%	5	5	6	8	12	17	
34%	4	5	6	8	12	17	
35%	4	5	6	7	11	16	
36%	4	5	6	7	11	16	
37%	4	5	6	7	10	15	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	14	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		400					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	133	151	175	211	273	328	
2%	73	84	100	124	174	230	
3%	50	58	69	88	126	173	
4%	38	44	53	68	99	138	
5%	31	36	43	55	81	115	
6%	26	30	36	46	68	98	
7%	22	26	31	40	59	85	
8%	19	23	27	35	52	75	
9%	17	20	24	31	46	67	
10%	16	18	22	28	42	61	
11%	14	16	20	25	38	55	
12%	13	15	18	23	35	51	
13%	12	14	17	21	32	47	
14%	11	13	16	20	30	44	
15%	10	12	14	19	28	41	
16%	10	11	14	17	26	38	
17%	9	11	13	16	24	36	
18%	9	10	12	15	23	34	
19%	8	9	11	15	22	32	
20%	8	9	11	14	21	30	
21%	7	9	10	13	20	29	
22%	7	8	10	12	19	27	
23%	7	8	9	12	18	26	
24%	6	7	9	11	17	25	
25%	6	7	8	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	14	21	
29%	5	6	7	9	14	20	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	6	8	12	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	7	11	16	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	15	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	14	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		500					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	138	158	184	225	300	373	
2%	74	86	102	129	183	248	
3%	51	59	71	90	131	182	
4%	38	45	54	69	101	144	
5%	31	36	43	56	83	118	
6%	26	30	36	47	70	100	
7%	22	26	31	40	60	87	
8%	19	23	27	35	53	77	
9%	17	20	24	31	47	69	
10%	16	18	22	28	42	62	
11%	14	17	20	26	38	56	
12%	13	15	18	23	35	52	
13%	12	14	17	22	33	48	
14%	11	13	16	20	30	44	
15%	10	12	14	19	28	41	
16%	10	11	14	17	26	39	
17%	9	11	13	16	25	36	
18%	9	10	12	15	23	34	
19%	8	9	11	15	22	32	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	12	19	28	
23%	7	8	9	12	18	26	
24%	6	7	9	11	17	25	
25%	6	7	8	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	14	21	
29%	5	6	7	9	14	20	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	12	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	16	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	15	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		600					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	141	162	191	235	321	409	
2%	75	87	104	132	190	261	
3%	51	60	72	91	134	189	
4%	39	45	54	70	103	148	
5%	31	36	44	56	84	121	
6%	26	30	37	47	70	102	
7%	22	26	31	40	61	88	
8%	20	23	28	35	53	78	
9%	17	20	24	31	47	69	
10%	16	18	22	28	43	63	
11%	14	17	20	26	39	57	
12%	13	15	18	24	35	52	
13%	12	14	17	22	33	48	
14%	11	13	16	20	30	45	
15%	10	12	15	19	28	42	
16%	10	11	14	17	26	39	
17%	9	11	13	16	25	36	
18%	9	10	12	15	23	34	
19%	8	9	11	15	22	32	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	12	19	28	
23%	7	8	9	12	18	26	
24%	6	7	9	11	17	25	
25%	6	7	9	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	14	21	
29%	5	6	7	9	14	20	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	12	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	15	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		700					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	144	166	196	243	336	438	
2%	76	88	106	134	195	271	
3%	51	60	72	92	136	194	
4%	39	45	55	70	105	151	
5%	31	37	44	57	85	123	
6%	26	31	37	47	71	104	
7%	22	26	32	41	61	89	
8%	20	23	28	36	54	79	
9%	17	20	25	32	48	70	
10%	16	18	22	28	43	63	
11%	14	17	20	26	39	57	
12%	13	15	18	24	36	52	
13%	12	14	17	22	33	48	
14%	11	13	16	20	30	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	26	39	
17%	9	11	13	16	25	37	
18%	9	10	12	15	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	25	
25%	6	7	9	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	14	21	
29%	5	6	7	9	14	21	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	12	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		800					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	146	169	200	249	349	461	
2%	76	89	107	136	199	278	
3%	52	60	73	93	138	198	
4%	39	46	55	71	106	153	
5%	31	37	44	57	85	124	
6%	26	31	37	47	72	105	
7%	22	26	32	41	61	90	
8%	20	23	28	36	54	79	
9%	17	20	25	32	48	70	
10%	16	18	22	28	43	63	
11%	14	17	20	26	39	58	
12%	13	15	18	24	36	53	
13%	12	14	17	22	33	49	
14%	11	13	16	20	30	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	27	39	
17%	9	11	13	16	25	37	
18%	9	10	12	15	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	25	
25%	6	7	9	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	15	21	
29%	5	6	7	9	14	21	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	12	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		900					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	147	171	203	254	359	481	
2%	77	90	108	137	202	285	
3%	52	61	73	94	140	201	
4%	39	46	55	71	106	155	
5%	31	37	44	57	86	125	
6%	26	31	37	48	72	105	
7%	22	26	32	41	62	91	
8%	20	23	28	36	54	80	
9%	17	20	25	32	48	71	
10%	16	18	22	29	43	64	
11%	14	17	20	26	39	58	
12%	13	15	18	24	36	53	
13%	12	14	17	22	33	49	
14%	11	13	16	20	31	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	27	39	
17%	9	11	13	16	25	37	
18%	9	10	12	16	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	25	
25%	6	7	9	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	15	21	
29%	5	6	7	9	14	21	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		1000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	148	173	205	258	368	497	
2%	77	90	108	138	204	290	
3%	52	61	73	94	141	203	
4%	39	46	55	71	107	156	
5%	31	37	44	57	86	126	
6%	26	31	37	48	72	106	
7%	22	26	32	41	62	91	
8%	20	23	28	36	54	80	
9%	17	20	25	32	48	71	
10%	16	18	22	29	43	64	
11%	14	17	20	26	39	58	
12%	13	15	18	24	36	53	
13%	12	14	17	22	33	49	
14%	11	13	16	20	31	45	
15%	10	12	15	19	28	42	
16%	10	11	14	18	27	39	
17%	9	11	13	16	25	37	
18%	9	10	12	16	23	35	
19%	8	9	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	29	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	25	
25%	6	7	9	11	16	24	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	15	21	
29%	5	6	7	9	14	21	
30%	5	6	7	9	13	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	18	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes
 (Assuming 100% Efficiency)

Lot Size		2000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	154	181	217	277	410	582	
2%	79	92	111	143	216	315	
3%	53	62	75	96	146	215	
4%	40	46	56	73	110	163	
5%	32	37	45	58	88	131	
6%	26	31	37	48	74	109	
7%	23	26	32	41	63	93	
8%	20	23	28	36	55	82	
9%	18	21	25	32	49	72	
10%	16	18	22	29	44	65	
11%	14	17	20	26	40	59	
12%	13	15	18	24	36	54	
13%	12	14	17	22	33	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	37	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	10	16	23	
27%	6	7	8	10	15	22	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		3000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	156	183	221	284	425	615	
2%	79	93	112	145	220	324	
3%	53	62	75	97	148	219	
4%	40	47	56	73	111	165	
5%	32	37	45	58	89	132	
6%	26	31	37	49	74	110	
7%	23	27	32	42	63	94	
8%	20	23	28	36	55	82	
9%	18	21	25	32	49	73	
10%	16	18	22	29	44	65	
11%	14	17	20	26	40	59	
12%	13	15	18	24	36	54	
13%	12	14	17	22	33	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	37	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		4000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	157	185	223	288	433	632	
2%	79	93	113	146	222	328	
3%	53	62	75	98	149	221	
4%	40	47	57	73	112	166	
5%	32	37	45	58	89	133	
6%	26	31	38	49	74	111	
7%	23	27	32	42	63	95	
8%	20	23	28	36	55	83	
9%	18	21	25	32	49	73	
10%	16	18	22	29	44	66	
11%	14	17	20	26	40	59	
12%	13	15	18	24	36	54	
13%	12	14	17	22	33	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	37	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		5000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	158	186	224	290	438	643	
2%	80	94	113	147	223	331	
3%	53	62	76	98	149	222	
4%	40	47	57	73	112	167	
5%	32	37	45	59	89	133	
6%	26	31	38	49	74	111	
7%	23	27	32	42	64	95	
8%	20	23	28	36	55	83	
9%	18	21	25	32	49	73	
10%	16	18	22	29	44	66	
11%	14	17	20	26	40	59	
12%	13	15	19	24	36	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		6000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	159	186	225	291	442	650	
2%	80	94	113	147	224	333	
3%	53	62	76	98	150	223	
4%	40	47	57	73	112	167	
5%	32	37	45	59	90	134	
6%	26	31	38	49	74	111	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	73	
10%	16	18	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	36	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		6000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	159	186	225	291	442	650	
2%	80	94	113	147	224	333	
3%	53	62	76	98	150	223	
4%	40	47	57	73	112	167	
5%	32	37	45	59	90	134	
6%	26	31	38	49	74	111	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	73	
10%	16	18	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	36	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	31	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size	7000					
Percentage of Infestation Detected	Confidence Level					
	80%	85%	90%	95%	99%	99,9%
1%	159	187	226	292	444	655
2%	80	94	114	147	225	334
3%	53	63	76	98	150	224
4%	40	47	57	74	112	168
5%	32	37	45	59	90	134
6%	26	31	38	49	75	111
7%	23	27	32	42	64	95
8%	20	23	28	36	56	83
9%	18	21	25	32	49	73
10%	16	18	22	29	44	66
11%	14	17	20	26	40	60
12%	13	15	19	24	36	54
13%	12	14	17	22	34	50
14%	11	13	16	20	31	46
15%	10	12	15	19	29	43
16%	10	11	14	18	27	40
17%	9	11	13	17	25	38
18%	9	10	12	16	24	35
19%	8	10	11	15	22	33
20%	8	9	11	14	21	32
21%	7	9	10	13	20	30
22%	7	8	10	13	19	28
23%	7	8	9	12	18	27
24%	6	7	9	11	17	26
25%	6	7	9	11	17	25
26%	6	7	8	11	16	24
27%	6	7	8	10	15	23
28%	5	6	8	10	15	22
29%	5	6	7	9	14	21
30%	5	6	7	9	14	20
31%	5	6	7	9	13	19
32%	5	5	7	8	13	19
33%	5	5	6	8	12	18
34%	4	5	6	8	12	17
35%	4	5	6	8	11	17
36%	4	5	6	7	11	16
37%	4	5	6	7	11	16
38%	4	5	5	7	10	15
39%	4	4	5	7	10	15
40%	4	4	5	6	10	14



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		8000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	159	187	226	293	446	659	
2%	80	94	114	147	225	335	
3%	53	63	76	98	150	224	
4%	40	47	57	74	113	168	
5%	32	37	45	59	90	134	
6%	26	31	38	49	75	111	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	73	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	36	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		9000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	159	187	227	294	447	662	
2%	80	94	114	148	226	336	
3%	53	63	76	98	150	224	
4%	40	47	57	74	113	168	
5%	32	37	45	59	90	134	
6%	26	31	38	49	75	111	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	73	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	36	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		10000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	159	187	227	294	448	665	
2%	80	94	114	148	226	337	
3%	53	63	76	98	151	225	
4%	40	47	57	74	113	168	
5%	32	37	45	59	90	134	
6%	26	31	38	49	75	112	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	54	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		20000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	188	228	296	453	676	
2%	80	94	114	148	227	340	
3%	53	63	76	99	151	226	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	95	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		30000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	297	455	680	
2%	80	94	114	148	228	340	
3%	53	63	76	99	151	226	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		33000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	297	456	681	
2%	80	94	114	148	228	341	
3%	53	63	76	99	151	227	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		40000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	297	456	682	
2%	80	94	114	149	228	341	
3%	53	63	76	99	151	227	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		50000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	298	457	683	
2%	80	94	114	149	228	341	
3%	53	63	76	99	151	227	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		60000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	298	457	684	
2%	80	94	114	149	228	341	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	169	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		70000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	298	457	684	
2%	80	94	114	149	228	342	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	170	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		80000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	298	457	685	
2%	80	94	114	149	228	342	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	170	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		90000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	160	189	229	298	458	685	
2%	80	94	114	149	228	342	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	170	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		100000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	161	189	229	298	458	685	
2%	80	94	114	149	228	342	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	170	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	



Optimum Sample Sizes

(Assuming 100% Efficiency)

Lot Size		200000					
Percentage of Infestation Detected	Confidence Level						
	80%	85%	90%	95%	99%	99,9%	
1%	161	189	229	298	458	687	
2%	80	94	114	149	228	342	
3%	53	63	76	99	152	227	
4%	40	47	57	74	113	170	
5%	32	37	45	59	90	135	
6%	27	31	38	49	75	112	
7%	23	27	32	42	64	96	
8%	20	23	28	36	56	83	
9%	18	21	25	32	49	74	
10%	16	19	22	29	44	66	
11%	14	17	20	26	40	60	
12%	13	15	19	24	37	55	
13%	12	14	17	22	34	50	
14%	11	13	16	20	31	46	
15%	10	12	15	19	29	43	
16%	10	11	14	18	27	40	
17%	9	11	13	17	25	38	
18%	9	10	12	16	24	35	
19%	8	10	11	15	22	33	
20%	8	9	11	14	21	32	
21%	7	9	10	13	20	30	
22%	7	8	10	13	19	28	
23%	7	8	9	12	18	27	
24%	6	7	9	11	17	26	
25%	6	7	9	11	17	25	
26%	6	7	8	11	16	24	
27%	6	7	8	10	15	23	
28%	5	6	8	10	15	22	
29%	5	6	7	9	14	21	
30%	5	6	7	9	14	20	
31%	5	6	7	9	13	19	
32%	5	5	7	8	13	19	
33%	5	5	6	8	12	18	
34%	4	5	6	8	12	17	
35%	4	5	6	8	11	17	
36%	4	5	6	7	11	16	
37%	4	5	6	7	11	16	
38%	4	5	5	7	10	15	
39%	4	4	5	7	10	15	
40%	4	4	5	6	10	14	