



HYPERGEOMETRIC TABLES

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 = 1,000**.

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 | | 1,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 = 1,000**.
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 | | 1,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| Percentage of Infestation Detected | Confidence Level | | | | | | |
| | 80% | 85% | 90% | 95% | 99% | 99.9% | |
| 1% | 148 | 173 | 205 | 253 | 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 | |



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 | | 1,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 2,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 3,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 4,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 5,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 6,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 7,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 8,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 9,000 | | | | | |
|------------------------------------|------------------|-------|-----|-----|-----|-------|--|
| 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 | | 10,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 20,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 30,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 33,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 40,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 50,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 60,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 70,000 | | | | | |
|------------------------------------|------------|--------|-----|-----|-----|-------|--|
| Percentage of Infestation Detected | Confidence | | | | | | |
| | 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 | | 80,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 90,000 | | | | | |
|------------------------------------|------------------|--------|-----|-----|-----|-------|--|
| 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 | | 100,000 | | | | | |
|------------------------------------|------------------|---------|-----|-----|-----|-------|--|
| 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 | | 200,000 | | | | | |
|------------------------------------|------------|---------|-----|-----|-----|-------|--|
| Percentage of Infestation Detected | Confidence | | | | | | |
| | 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 | |