

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS
Agronomic Samples

of Samples 17,760

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|----------------|-------------------|----------------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 3.0 | | |
| P (ppm) | 75 | | |
| K (ppm) | 125 | K (% Sat) | 2.7 |
| Mg (ppm) | 157 | Mg (% Sat) | 10.9 |
| Ca (ppm) | 1,543 | Ca (% Sat) | 60.3 |
| CEC | 12.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|-----------------------|----------------|
| LIME (lb/A) | 1811 |
| N (lb/A) | 119 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 113 |
| MGO (LB/a) | 15 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|--------------|---------------------|-----|
| COUNTY: | Adams | # of Samples | 138 |
|----------------|--------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.5 | | |
| P (ppm) | 49 | | |
| K (ppm) | 119 | K (% Sat) | 2.6 |
| Mg (ppm) | 161 | Mg (% Sat) | 6.3 |
| Ca (ppm) | 1,633 | Ca (% Sat) | 64.3 |
| CEC | 11.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1087 |
| N (lb/A) | 146 |
| P2O5 (LB/A) | 56 |
| K20 (LB/A) | 138 |
| MGO (LB/a) | 34 |

| | | | |
|----------------|------------------|---------------------|-----|
| COUNTY: | Allegheny | # of Samples | 288 |
|----------------|------------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.9 | | |
| P (ppm) | 29 | | |
| K (ppm) | 112 | K (% Sat) | 2.0 |
| Mg (ppm) | 235 | Mg (% Sat) | 2.0 |
| Ca (ppm) | 2,377 | Ca (% Sat) | 62.8 |
| CEC | 14.7 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1754 |
| N (lb/A) | 98 |
| P2O5 (LB/A) | 87 |
| K20 (LB/A) | 102 |
| MGO (LB/a) | 9 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Armstrong **# of Samples** 133

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.5 | | |
| P (ppm) | 40 | | |
| K (ppm) | 85 | K (% Sat) | 2.0 |
| Mg (ppm) | 122 | Mg (% Sat) | 5.8 |
| Ca (ppm) | 1,315 | Ca (% Sat) | 55.5 |
| CEC | 11.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2060 |
| N (lb/A) | 142 |
| P2O5 (LB/A) | 74 |
| K20 (LB/A) | 136 |
| MGO (LB/a) | 32 |

COUNTY: Beaver **# of Samples** 240

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.0 | | |
| P (ppm) | 36 | | |
| K (ppm) | 104 | K (% Sat) | 2.4 |
| Mg (ppm) | 142 | Mg (% Sat) | 3.9 |
| Ca (ppm) | 1,377 | Ca (% Sat) | 58.9 |
| CEC | 11.2 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2033 |
| N (lb/A) | 114 |
| P2O5 (LB/A) | 77 |
| K20 (LB/A) | 121 |
| MGO (LB/a) | 19 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Bedford** # of Samples 136

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.1 | | |
| P (ppm) | 62 | | |
| K (ppm) | 127 | K (% Sat) | 2.8 |
| Mg (ppm) | 179 | Mg (% Sat) | 6.8 |
| Ca (ppm) | 1,570 | Ca (% Sat) | 64.9 |
| CEC | 11.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1081 |
| N (lb/A) | 146 |
| P2O5 (LB/A) | 74 |
| K20 (LB/A) | 147 |
| MGO (LB/a) | 20 |

COUNTY: **Berks** # of Samples 1,151

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.6 | | |
| Acidity (meq/100 g) | 1.9 | | |
| P (ppm) | 142 | | |
| K (ppm) | 107 | K (% Sat) | 2.4 |
| Mg (ppm) | 137 | Mg (% Sat) | 10.3 |
| Ca (ppm) | 1,536 | Ca (% Sat) | 69.2 |
| CEC | 11.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 589 |
| N (lb/A) | 81 |
| P2O5 (LB/A) | 42 |
| K20 (LB/A) | 97 |
| MGO (LB/a) | 3 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

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|----------------|--------------|---------------------|-----|
| COUNTY: | Blair | # of Samples | 176 |
|----------------|--------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.5 | | |
| P (ppm) | 59 | | |
| K (ppm) | 117 | K (% Sat) | 2.3 |
| Mg (ppm) | 193 | Mg (% Sat) | 5.2 |
| Ca (ppm) | 1,769 | Ca (% Sat) | 64.9 |
| CEC | 13.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1756 |
| N (lb/A) | 123 |
| P2O5 (LB/A) | 61 |
| K20 (LB/A) | 109 |
| MGO (LB/a) | 7 |

| | | | |
|----------------|-----------------|---------------------|-----|
| COUNTY: | Bradford | # of Samples | 674 |
|----------------|-----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.5 | | |
| P (ppm) | 71 | | |
| K (ppm) | 146 | K (% Sat) | 3.0 |
| Mg (ppm) | 170 | Mg (% Sat) | 3.3 |
| Ca (ppm) | 1,406 | Ca (% Sat) | 56.7 |
| CEC | 12.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2441 |
| N (lb/A) | 103 |
| P2O5 (LB/A) | 48 |
| K20 (LB/A) | 122 |
| MGO (LB/a) | 14 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Bucks **# of Samples** 170

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 5.8 | | |
| Acidity (meq/100 g) | 5.4 | | |
| P (ppm) | 44 | | |
| K (ppm) | 93 | K (% Sat) | 2.1 |
| Mg (ppm) | 148 | Mg (% Sat) | 1.6 |
| Ca (ppm) | 1,073 | Ca (% Sat) | 43.1 |
| CEC | 11.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3882 |
| N (lb/A) | 83 |
| P2O5 (LB/A) | 51 |
| K20 (LB/A) | 91 |
| MGO (LB/a) | 30 |

COUNTY: Butler **# of Samples** 577

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.1 | | |
| P (ppm) | 41 | | |
| K (ppm) | 117 | K (% Sat) | 2.6 |
| Mg (ppm) | 128 | Mg (% Sat) | 1.5 |
| Ca (ppm) | 1,584 | Ca (% Sat) | 60.8 |
| CEC | 11.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1949 |
| N (lb/A) | 106 |
| P2O5 (LB/A) | 69 |
| K20 (LB/A) | 106 |
| MGO (LB/a) | 39 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Cambria **# of Samples** 239

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.1 | | |
| Acidity (meq/100 g) | 4.4 | | |
| P (ppm) | 46 | | |
| K (ppm) | 117 | K (% Sat) | 2.3 |
| Mg (ppm) | 214 | Mg (% Sat) | 6.1 |
| Ca (ppm) | 1,380 | Ca (% Sat) | 51.6 |
| CEC | 13.2 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3153 |
| N (lb/A) | 100 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 114 |
| MGO (LB/a) | 20 |

COUNTY: Cameron **# of Samples** 13

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 5.9 | | |
| Acidity (meq/100 g) | 5.5 | | |
| P (ppm) | 25 | | |
| K (ppm) | 96 | K (% Sat) | 2.1 |
| Mg (ppm) | 83 | Mg (% Sat) | 2.3 |
| Ca (ppm) | 959 | Ca (% Sat) | 42.7 |
| CEC | 11.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3615 |
| N (lb/A) | 68 |
| P2O5 (LB/A) | 73 |
| K20 (LB/A) | 93 |
| MGO (LB/a) | 59 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

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|----------------|---------------|---------------------|----|
| COUNTY: | Carbon | # of Samples | 36 |
|----------------|---------------|---------------------|----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.0 | | |
| Acidity (meq/100 g) | 4.5 | | |
| P (ppm) | 44 | | |
| K (ppm) | 87 | K (% Sat) | 2.1 |
| Mg (ppm) | 136 | Mg (% Sat) | 1.7 |
| Ca (ppm) | 995 | Ca (% Sat) | 45.6 |
| CEC | 10.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3514 |
| N (lb/A) | 103 |
| P2O5 (LB/A) | 53 |
| K20 (LB/A) | 123 |
| MGO (LB/a) | 54 |

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|----------------|---------------|---------------------|-------|
| COUNTY: | Centre | # of Samples | 2,878 |
|----------------|---------------|---------------------|-------|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 81 | | |
| K (ppm) | 129 | K (% Sat) | 2.8 |
| Mg (ppm) | 154 | Mg (% Sat) | |
| Ca (ppm) | 1,629 | Ca (% Sat) | 63.9 |
| CEC | 11.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1275 |
| N (lb/A) | 128 |
| P2O5 (LB/A) | 64 |
| K20 (LB/A) | 117 |
| MGO (LB/a) | 9 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Chester** # of Samples 94

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 3.0 | | |
| P (ppm) | 70 | | |
| K (ppm) | 217 | K (% Sat) | 4.3 |
| Mg (ppm) | 208 | Mg (% Sat) | 4.5 |
| Ca (ppm) | 1,518 | Ca (% Sat) | 55.0 |
| CEC | 12.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1489 |
| N (lb/A) | 125 |
| P2O5 (LB/A) | 51 |
| K20 (LB/A) | 53 |
| MGO (LB/a) | 34 |

COUNTY: **Clarion** # of Samples 159

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.7 | | |
| P (ppm) | 28 | | |
| K (ppm) | 95 | K (% Sat) | 2.0 |
| Mg (ppm) | 164 | Mg (% Sat) | 11.3 |
| Ca (ppm) | 1,482 | Ca (% Sat) | 56.5 |
| CEC | 12.2 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2267 |
| N (lb/A) | 120 |
| P2O5 (LB/A) | 79 |
| K20 (LB/A) | 121 |
| MGO (LB/a) | 21 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Clearfield **# of Samples** 258

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.4 | | |
| P (ppm) | 64 | | |
| K (ppm) | 109 | K (% Sat) | 2.2 |
| Mg (ppm) | 123 | Mg (% Sat) | 3.0 |
| Ca (ppm) | 1,741 | Ca (% Sat) | 62.9 |
| CEC | 13.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2348 |
| N (lb/A) | 114 |
| P2O5 (LB/A) | 76 |
| K20 (LB/A) | 110 |
| MGO (LB/a) | 32 |

COUNTY: Clinton **# of Samples** 173

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 58 | | |
| K (ppm) | 150 | K (% Sat) | 3.1 |
| Mg (ppm) | 147 | Mg (% Sat) | 5.9 |
| Ca (ppm) | 1,637 | Ca (% Sat) | 65.3 |
| CEC | 12.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1254 |
| N (lb/A) | 118 |
| P2O5 (LB/A) | 56 |
| K20 (LB/A) | 118 |
| MGO (LB/a) | 30 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Columbia** # of Samples 167

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.1 | | |
| P (ppm) | 67 | | |
| K (ppm) | 119 | K (% Sat) | 2.8 |
| Mg (ppm) | 152 | Mg (% Sat) | 2.7 |
| Ca (ppm) | 1,168 | Ca (% Sat) | 53.8 |
| CEC | 10.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1805 |
| N (lb/A) | 103 |
| P2O5 (LB/A) | 42 |
| K20 (LB/A) | 102 |
| MGO (LB/a) | 18 |

COUNTY: **Crawford** # of Samples 563

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.7 | | |
| P (ppm) | 60 | | |
| K (ppm) | 108 | K (% Sat) | 2.5 |
| Mg (ppm) | 142 | Mg (% Sat) | 3.8 |
| Ca (ppm) | 1,234 | Ca (% Sat) | 53.1 |
| CEC | 11.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2385 |
| N (lb/A) | 108 |
| P2O5 (LB/A) | 59 |
| K20 (LB/A) | 112 |
| MGO (LB/a) | 10 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Cumberland** # of Samples 279

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.5 | | |
| P (ppm) | 62 | | |
| K (ppm) | 126 | K (% Sat) | 2.9 |
| Mg (ppm) | 163 | Mg (% Sat) | 9.8 |
| Ca (ppm) | 1,737 | Ca (% Sat) | 62.3 |
| CEC | 11.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1584 |
| N (lb/A) | 120 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 105 |
| MGO (LB/a) | 15 |

COUNTY: **Dauphin** # of Samples 229

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.3 | | |
| P (ppm) | 150 | | |
| K (ppm) | 134 | K (% Sat) | 2.8 |
| Mg (ppm) | 139 | Mg (% Sat) | 1.5 |
| Ca (ppm) | 1,566 | Ca (% Sat) | 60.0 |
| CEC | 12.4 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1886 |
| N (lb/A) | 105 |
| P2O5 (LB/A) | 50 |
| K20 (LB/A) | 116 |
| MGO (LB/a) | 15 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Delaware** # of Samples 35

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 52 | | |
| K (ppm) | 160 | K (% Sat) | 3.4 |
| Mg (ppm) | 224 | Mg (% Sat) | 2.0 |
| Ca (ppm) | 1,255 | Ca (% Sat) | 58.3 |
| CEC | 10.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1371 |
| N (lb/A) | 89 |
| P2O5 (LB/A) | 24 |
| K20 (LB/A) | 49 |
| MGO (LB/a) | 5 |

COUNTY: **Eik** # of Samples 130

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.6 | | |
| P (ppm) | 38 | | |
| K (ppm) | 104 | K (% Sat) | 2.2 |
| Mg (ppm) | 133 | Mg (% Sat) | 2.4 |
| Ca (ppm) | 1,673 | Ca (% Sat) | 60.3 |
| CEC | 12.7 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2138 |
| N (lb/A) | 88 |
| P2O5 (LB/A) | 63 |
| K20 (LB/A) | 96 |
| MGO (LB/a) | 27 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

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|----------------|-------------|---------------------|-----|
| COUNTY: | Erie | # of Samples | 294 |
|----------------|-------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 4.1 | | |
| P (ppm) | 39 | | |
| K (ppm) | 102 | K (% Sat) | 2.2 |
| Mg (ppm) | 162 | Mg (% Sat) | 10.5 |
| Ca (ppm) | 1,296 | Ca (% Sat) | 52.8 |
| CEC | 12.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2260 |
| N (lb/A) | 158 |
| P2O5 (LB/A) | 68 |
| K20 (LB/A) | 100 |
| MGO (LB/a) | 7 |

| | | | |
|----------------|----------------|---------------------|-----|
| COUNTY: | Fayette | # of Samples | 124 |
|----------------|----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.3 | | |
| P (ppm) | 31 | | |
| K (ppm) | 96 | K (% Sat) | 1.9 |
| Mg (ppm) | 147 | Mg (% Sat) | 6.6 |
| Ca (ppm) | 1,663 | Ca (% Sat) | 62.9 |
| CEC | 13.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1935 |
| N (lb/A) | 107 |
| P2O5 (LB/A) | 72 |
| K20 (LB/A) | 113 |
| MGO (LB/a) | 26 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|---------------|---------------------|-----|
| COUNTY: | Forest | # of Samples | 111 |
|----------------|---------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 42 | | |
| K (ppm) | 108 | K (% Sat) | 2.8 |
| Mg (ppm) | 133 | Mg (% Sat) | 3.1 |
| Ca (ppm) | 1,452 | Ca (% Sat) | 64.5 |
| CEC | 10.4 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1027 |
| N (lb/A) | 97 |
| P2O5 (LB/A) | 55 |
| K20 (LB/A) | 68 |
| MGO (LB/a) | 8 |

| | | | |
|----------------|-----------------|---------------------|-----|
| COUNTY: | Franklin | # of Samples | 317 |
|----------------|-----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.9 | | |
| Acidity (meq/100 g) | 1.4 | | |
| P (ppm) | 88 | | |
| K (ppm) | 274 | K (% Sat) | 4.5 |
| Mg (ppm) | 235 | Mg (% Sat) | 5.4 |
| Ca (ppm) | 2,178 | Ca (% Sat) | 69.8 |
| CEC | 13.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 697 |
| N (lb/A) | 129 |
| P2O5 (LB/A) | 47 |
| K20 (LB/A) | 122 |
| MGO (LB/a) | 9 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Fulton **# of Samples** 70

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 78 | | |
| K (ppm) | 135 | K (% Sat) | 2.8 |
| Mg (ppm) | 185 | Mg (% Sat) | 5.6 |
| Ca (ppm) | 1,487 | Ca (% Sat) | 61.5 |
| CEC | 11.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1171 |
| N (lb/A) | 149 |
| P2O5 (LB/A) | 50 |
| K20 (LB/A) | 136 |
| MGO (LB/a) | 24 |

COUNTY: Greene **# of Samples** 153

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.5 | | |
| P (ppm) | 33 | | |
| K (ppm) | 93 | K (% Sat) | 1.9 |
| Mg (ppm) | 160 | Mg (% Sat) | 10.5 |
| Ca (ppm) | 1,521 | Ca (% Sat) | 58.5 |
| CEC | 12.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2314 |
| N (lb/A) | 180 |
| P2O5 (LB/A) | 80 |
| K20 (LB/A) | 189 |
| MGO (LB/a) | 32 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Huntingdon **# of Samples** 202

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.7 | | |
| P (ppm) | 43 | | |
| K (ppm) | 127 | K (% Sat) | 2.7 |
| Mg (ppm) | 189 | Mg (% Sat) | 3.5 |
| Ca (ppm) | 1,584 | Ca (% Sat) | 61.5 |
| CEC | 12.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1668 |
| N (lb/A) | 125 |
| P2O5 (LB/A) | 65 |
| K20 (LB/A) | 124 |
| MGO (LB/a) | 7 |

COUNTY: Indiana **# of Samples** 236

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 4.0 | | |
| P (ppm) | 38 | | |
| K (ppm) | 111 | K (% Sat) | 2.4 |
| Mg (ppm) | 150 | Mg (% Sat) | 19.5 |
| Ca (ppm) | 1,367 | Ca (% Sat) | 53.7 |
| CEC | 12.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2771 |
| N (lb/A) | 101 |
| P2O5 (LB/A) | 67 |
| K20 (LB/A) | 103 |
| MGO (LB/a) | 10 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Jefferson **# of Samples** 423

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.6 | | |
| P (ppm) | 32 | | |
| K (ppm) | 102 | K (% Sat) | 2.0 |
| Mg (ppm) | 138 | Mg (% Sat) | 8.8 |
| Ca (ppm) | 1,572 | Ca (% Sat) | 60.2 |
| CEC | 12.7 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2152 |
| N (lb/A) | 131 |
| P2O5 (LB/A) | 80 |
| K20 (LB/A) | 116 |
| MGO (LB/a) | 19 |

COUNTY: Juniata **# of Samples** 227

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.6 | | |
| Acidity (meq/100 g) | 1.9 | | |
| P (ppm) | 109 | | |
| K (ppm) | 152 | K (% Sat) | 3.3 |
| Mg (ppm) | 140 | Mg (% Sat) | 3.6 |
| Ca (ppm) | 1,713 | Ca (% Sat) | 70.6 |
| CEC | 11.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 841 |
| N (lb/A) | 96 |
| P2O5 (LB/A) | 54 |
| K20 (LB/A) | 93 |
| MGO (LB/a) | 9 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **LACKAWANNA** # of Samples 172

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.0 | | |
| P (ppm) | 110 | | |
| K (ppm) | 99 | K (% Sat) | 2.3 |
| Mg (ppm) | 131 | Mg (% Sat) | 4.8 |
| Ca (ppm) | 1,368 | Ca (% Sat) | 60.5 |
| CEC | 11.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1741 |
| N (lb/A) | 153 |
| P2O5 (LB/A) | 35 |
| K20 (LB/A) | 90 |
| MGO (LB/a) | 8 |

COUNTY: **Lancaster** # of Samples 284

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.8 | | |
| P (ppm) | 93 | | |
| K (ppm) | 124 | K (% Sat) | 2.7 |
| Mg (ppm) | 223 | Mg (% Sat) | 3.8 |
| Ca (ppm) | 2,232 | Ca (% Sat) | 64.9 |
| CEC | 13.2 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1686 |
| N (lb/A) | 108 |
| P2O5 (LB/A) | 48 |
| K20 (LB/A) | 87 |
| MGO (LB/a) | 8 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|-----------------|---------------------|-----|
| COUNTY: | Lawrence | # of Samples | 127 |
|----------------|-----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.1 | | |
| P (ppm) | 52 | | |
| K (ppm) | 110 | K (% Sat) | 2.4 |
| Mg (ppm) | 145 | Mg (% Sat) | 4.9 |
| Ca (ppm) | 1,377 | Ca (% Sat) | 56.8 |
| CEC | 11.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1906 |
| N (lb/A) | 105 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 113 |
| MGO (LB/a) | 13 |

| | | | |
|----------------|----------------|---------------------|-----|
| COUNTY: | Lebanon | # of Samples | 278 |
|----------------|----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.2 | | |
| P (ppm) | 115 | | |
| K (ppm) | 157 | K (% Sat) | 3.6 |
| Mg (ppm) | 155 | Mg (% Sat) | 6.6 |
| Ca (ppm) | 1,519 | Ca (% Sat) | 66.0 |
| CEC | 11.4 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 814 |
| N (lb/A) | 126 |
| P2O5 (LB/A) | 42 |
| K20 (LB/A) | 79 |
| MGO (LB/a) | 5 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Lehigh **# of Samples** 56

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.5 | | |
| P (ppm) | 70 | | |
| K (ppm) | 136 | K (% Sat) | 3.0 |
| Mg (ppm) | 160 | Mg (% Sat) | 4.9 |
| Ca (ppm) | 1,281 | Ca (% Sat) | 53.0 |
| CEC | 11.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2232 |
| N (lb/A) | 75 |
| P2O5 (LB/A) | 52 |
| K20 (LB/A) | 87 |
| MGO (LB/a) | 12 |

COUNTY: Luzerne **# of Samples** 205

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.3 | | |
| P (ppm) | 63 | | |
| K (ppm) | 92 | K (% Sat) | 2.2 |
| Mg (ppm) | 123 | Mg (% Sat) | 5.5 |
| Ca (ppm) | 1,347 | Ca (% Sat) | 56.1 |
| CEC | 10.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2100 |
| N (lb/A) | 121 |
| P2O5 (LB/A) | 48 |
| K20 (LB/A) | 106 |
| MGO (LB/a) | 19 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Lycoming** # of Samples 416

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.1 | | |
| P (ppm) | 61 | | |
| K (ppm) | 119 | K (% Sat) | 2.8 |
| Mg (ppm) | 137 | Mg (% Sat) | 6.2 |
| Ca (ppm) | 1,309 | Ca (% Sat) | 57.9 |
| CEC | 11.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1886 |
| N (lb/A) | 118 |
| P2O5 (LB/A) | 47 |
| K20 (LB/A) | 91 |
| MGO (LB/a) | 19 |

COUNTY: **McKean** # of Samples 87

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 5.9 | | |
| Acidity (meq/100 g) | 5.6 | | |
| P (ppm) | 35 | | |
| K (ppm) | 102 | K (% Sat) | 2.2 |
| Mg (ppm) | 124 | Mg (% Sat) | 2.5 |
| Ca (ppm) | 1,169 | Ca (% Sat) | 46.8 |
| CEC | 12.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 5568 |
| N (lb/A) | 90 |
| P2O5 (LB/A) | 83 |
| K20 (LB/A) | 104 |
| MGO (LB/a) | 36 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|---------------|---------------------|-----|
| COUNTY: | Mercer | # of Samples | 320 |
|----------------|---------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.4 | | |
| P (ppm) | 105 | | |
| K (ppm) | 128 | K (% Sat) | 2.6 |
| Mg (ppm) | 174 | Mg (% Sat) | 5.7 |
| Ca (ppm) | 1,430 | Ca (% Sat) | 56.2 |
| CEC | 12.2 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2453 |
| N (lb/A) | 140 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 123 |
| MGO (LB/a) | 12 |

| | | | |
|----------------|----------------|---------------------|-----|
| COUNTY: | Mifflin | # of Samples | 113 |
|----------------|----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH | 6.6 | | |
| Acidity (meq/100 g) | 1.9 | | |
| P (ppm) | 101 | | |
| K (ppm) | 174 | K (% Sat) | 3.6 |
| Mg (ppm) | 157 | Mg (% Sat) | 2.4 |
| Ca (ppm) | 1,615 | Ca (% Sat) | 66.3 |
| CEC | 11.4 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 885 |
| N (lb/A) | 112 |
| P2O5 (LB/A) | 45 |
| K20 (LB/A) | 92 |
| MGO (LB/a) | 4 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Monroe **# of Samples** 39

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.1 | | |
| Acidity (meq/100 g) | 4.5 | | |
| P (ppm) | 100 | | |
| K (ppm) | 122 | K (% Sat) | 2.4 |
| Mg (ppm) | 163 | Mg (% Sat) | 13.8 |
| Ca (ppm) | 1,313 | Ca (% Sat) | 52.1 |
| CEC | 12.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2821 |
| N (lb/A) | 121 |
| P2O5 (LB/A) | 44 |
| K20 (LB/A) | 137 |
| MGO (LB/a) | 39 |

COUNTY: Montgomery **# of Samples** 371

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.6 | | |
| Acidity (meq/100 g) | 2.6 | | |
| P (ppm) | 65 | | |
| K (ppm) | 160 | K (% Sat) | 3.1 |
| Mg (ppm) | 240 | Mg (% Sat) | 3.7 |
| Ca (ppm) | 1,596 | Ca (% Sat) | 59.1 |
| CEC | 12.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1574 |
| N (lb/A) | 90 |
| P2O5 (LB/A) | 63 |
| K20 (LB/A) | 114 |
| MGO (LB/a) | 7 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Montour** # of Samples 175

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.5 | | |
| P (ppm) | 83 | | |
| K (ppm) | 115 | K (% Sat) | 2.9 |
| Mg (ppm) | 114 | Mg (% Sat) | 10.8 |
| Ca (ppm) | 1,338 | Ca (% Sat) | 62.9 |
| CEC | 10.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1017 |
| N (lb/A) | 92 |
| P2O5 (LB/A) | 38 |
| K20 (LB/A) | 88 |
| MGO (LB/a) | 9 |

COUNTY: **Northampton** # of Samples 67

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.6 | | |
| P (ppm) | 63 | | |
| K (ppm) | 163 | K (% Sat) | 3.6 |
| Mg (ppm) | 175 | Mg (% Sat) | 10.4 |
| Ca (ppm) | 1,390 | Ca (% Sat) | 55.0 |
| CEC | 11.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1328 |
| N (lb/A) | 173 |
| P2O5 (LB/A) | 68 |
| K20 (LB/A) | 117 |
| MGO (LB/a) | 17 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Northumberland **# of Samples** 314

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 2.8 | | |
| P (ppm) | 105 | | |
| K (ppm) | 134 | K (% Sat) | 3.1 |
| Mg (ppm) | 119 | Mg (% Sat) | 6.1 |
| Ca (ppm) | 1,374 | Ca (% Sat) | 61.4 |
| CEC | 11.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1576 |
| N (lb/A) | 123 |
| P2O5 (LB/A) | 41 |
| K20 (LB/A) | 93 |
| MGO (LB/a) | 15 |

COUNTY: Perry **# of Samples** 460

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.4 | | |
| P (ppm) | 87 | | |
| K (ppm) | 136 | K (% Sat) | 3.1 |
| Mg (ppm) | 151 | Mg (% Sat) | 3.3 |
| Ca (ppm) | 1,513 | Ca (% Sat) | 63.8 |
| CEC | 11.4 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1145 |
| N (lb/A) | 108 |
| P2O5 (LB/A) | 51 |
| K20 (LB/A) | 99 |
| MGO (LB/a) | 9 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|---------------------|---------------------|----|
| COUNTY: | Philadelphia | # of Samples | 36 |
|----------------|---------------------|---------------------|----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH | 6.9 | | |
| Acidity (meq/100 g) | 1.7 | | |
| P (ppm) | 137 | | |
| K (ppm) | 209 | K (% Sat) | 3.3 |
| Mg (ppm) | 269 | Mg (% Sat) | 4.3 |
| Ca (ppm) | 2,428 | Ca (% Sat) | 68.8 |
| CEC | 14.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 833 |
| N (lb/A) | 150 |
| P2O5 (LB/A) | 27 |
| K20 (LB/A) | 56 |
| MGO (LB/a) | 20 |

| | | | |
|----------------|-------------|---------------------|----|
| COUNTY: | Pike | # of Samples | 15 |
|----------------|-------------|---------------------|----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.8 | | |
| P (ppm) | 55 | | |
| K (ppm) | 104 | K (% Sat) | 2.5 |
| Mg (ppm) | 196 | Mg (% Sat) | 4.6 |
| Ca (ppm) | 1,164 | Ca (% Sat) | 53.9 |
| CEC | 10.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1267 |
| N (lb/A) | 0 |
| P2O5 (LB/A) | 60 |
| K20 (LB/A) | 168 |
| MGO (LB/a) | 3 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Potter** # of Samples 229

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.0 | | |
| Acidity (meq/100 g) | 4.9 | | |
| P (ppm) | 62 | | |
| K (ppm) | 118 | K (% Sat) | 2.3 |
| Mg (ppm) | 171 | Mg (% Sat) | 7.8 |
| Ca (ppm) | 1,355 | Ca (% Sat) | 48.4 |
| CEC | 13.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3386 |
| N (lb/A) | 134 |
| P2O5 (LB/A) | 66 |
| K20 (LB/A) | 119 |
| MGO (LB/a) | 20 |

COUNTY: **Schuylkill** # of Samples 109

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.5 | | |
| Acidity (meq/100 g) | 2.7 | | |
| P (ppm) | 256 | | |
| K (ppm) | 198 | K (% Sat) | 3.5 |
| Mg (ppm) | 216 | Mg (% Sat) | 10.1 |
| Ca (ppm) | 1,817 | Ca (% Sat) | 61.0 |
| CEC | 13.3 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1720 |
| N (lb/A) | 136 |
| P2O5 (LB/A) | 51 |
| K20 (LB/A) | 82 |
| MGO (LB/a) | 18 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|---------------|---------------------|-----|
| COUNTY: | Snyder | # of Samples | 328 |
|----------------|---------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.7 | | |
| P (ppm) | 157 | | |
| K (ppm) | 177 | K (% Sat) | 3.7 |
| Mg (ppm) | 143 | Mg (% Sat) | 6.4 |
| Ca (ppm) | 1,646 | Ca (% Sat) | 62.7 |
| CEC | 12.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1416 |
| N (lb/A) | 121 |
| P2O5 (LB/A) | 55 |
| K20 (LB/A) | 95 |
| MGO (LB/a) | 12 |

| | | | |
|----------------|-----------------|---------------------|-----|
| COUNTY: | Somerset | # of Samples | 121 |
|----------------|-----------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.2 | | |
| Acidity (meq/100 g) | 3.7 | | |
| P (ppm) | 40 | | |
| K (ppm) | 143 | K (% Sat) | 2.7 |
| Mg (ppm) | 164 | Mg (% Sat) | 11.4 |
| Ca (ppm) | 1,648 | Ca (% Sat) | 59.4 |
| CEC | 13.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2256 |
| N (lb/A) | 137 |
| P2O5 (LB/A) | 73 |
| K20 (LB/A) | 109 |
| MGO (LB/a) | 22 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|-----------------|---------------------|----|
| COUNTY: | Sullivan | # of Samples | 67 |
|----------------|-----------------|---------------------|----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.1 | | |
| Acidity (meq/100 g) | 4.2 | | |
| P (ppm) | 91 | | |
| K (ppm) | 105 | K (% Sat) | 2.3 |
| Mg (ppm) | 102 | Mg (% Sat) | 2.3 |
| Ca (ppm) | 1,319 | Ca (% Sat) | 54.9 |
| CEC | 11.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3127 |
| N (lb/A) | 89 |
| P2O5 (LB/A) | 62 |
| K20 (LB/A) | 104 |
| MGO (LB/a) | 21 |

| | | | |
|----------------|--------------------|---------------------|-----|
| COUNTY: | Susquehanna | # of Samples | 256 |
|----------------|--------------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.0 | | |
| Acidity (meq/100 g) | 4.6 | | |
| P (ppm) | 53 | | |
| K (ppm) | 106 | K (% Sat) | 2.2 |
| Mg (ppm) | 148 | Mg (% Sat) | 7.5 |
| Ca (ppm) | 1,212 | Ca (% Sat) | 48.8 |
| CEC | 12.1 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3188 |
| N (lb/A) | 123 |
| P2O5 (LB/A) | 58 |
| K20 (LB/A) | 137 |
| MGO (LB/a) | 15 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Tioga **# of Samples** 631

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.6 | | |
| P (ppm) | 62 | | |
| K (ppm) | 113 | K (% Sat) | 2.2 |
| Mg (ppm) | 169 | Mg (% Sat) | 3.5 |
| Ca (ppm) | 1,549 | Ca (% Sat) | 58.1 |
| CEC | 13.0 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2288 |
| N (lb/A) | 145 |
| P2O5 (LB/A) | 55 |
| K20 (LB/A) | 140 |
| MGO (LB/a) | 9 |

COUNTY: Union **# of Samples** 78

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.7 | | |
| P (ppm) | 113 | | |
| K (ppm) | 122 | K (% Sat) | 2.7 |
| Mg (ppm) | 167 | Mg (% Sat) | 6.4 |
| Ca (ppm) | 1,544 | Ca (% Sat) | 61.9 |
| CEC | 11.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1641 |
| N (lb/A) | 93 |
| P2O5 (LB/A) | 43 |
| K20 (LB/A) | 106 |
| MGO (LB/a) | 15 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Venango** # of Samples 122

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 5.8 | | |
| Acidity (meq/100 g) | 4.6 | | |
| P (ppm) | 25 | | |
| K (ppm) | 85 | K (% Sat) | 1.9 |
| Mg (ppm) | 112 | Mg (% Sat) | 1.2 |
| Ca (ppm) | 1,196 | Ca (% Sat) | 49.6 |
| CEC | 11.5 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3484 |
| N (lb/A) | 142 |
| P2O5 (LB/A) | 91 |
| K20 (LB/A) | 127 |
| MGO (LB/a) | 34 |

COUNTY: **Warren** # of Samples 43

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 5.9 | | |
| Acidity (meq/100 g) | 5.0 | | |
| P (ppm) | 29 | | |
| K (ppm) | 91 | K (% Sat) | 2.1 |
| Mg (ppm) | 157 | Mg (% Sat) | 4.3 |
| Ca (ppm) | 1,008 | Ca (% Sat) | 42.5 |
| CEC | 11.6 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3874 |
| N (lb/A) | 144 |
| P2O5 (LB/A) | 77 |
| K20 (LB/A) | 102 |
| MGO (LB/a) | 24 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Washington **# of Samples** 211

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.0 | | |
| Acidity (meq/100 g) | 4.5 | | |
| P (ppm) | 32 | | |
| K (ppm) | 124 | K (% Sat) | 2.2 |
| Mg (ppm) | 172 | Mg (% Sat) | 6.2 |
| Ca (ppm) | 1,578 | Ca (% Sat) | 52.8 |
| CEC | 13.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3140 |
| N (lb/A) | 75 |
| P2O5 (LB/A) | 84 |
| K20 (LB/A) | 130 |
| MGO (LB/a) | 17 |

COUNTY: Wayne **# of Samples** 123

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.1 | | |
| Acidity (meq/100 g) | 4.5 | | |
| P (ppm) | 102 | | |
| K (ppm) | 90 | K (% Sat) | 2.0 |
| Mg (ppm) | 125 | Mg (% Sat) | 2.0 |
| Ca (ppm) | 1,312 | Ca (% Sat) | 50.3 |
| CEC | 11.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 3000 |
| N (lb/A) | 118 |
| P2O5 (LB/A) | 39 |
| K20 (LB/A) | 139 |
| MGO (LB/a) | 39 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Westmoreland** # of Samples 383

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.3 | | |
| Acidity (meq/100 g) | 3.7 | | |
| P (ppm) | 42 | | |
| K (ppm) | 113 | K (% Sat) | 2.1 |
| Mg (ppm) | 166 | Mg (% Sat) | 4.3 |
| Ca (ppm) | 1,868 | Ca (% Sat) | 59.3 |
| CEC | 13.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2559 |
| N (lb/A) | 107 |
| P2O5 (LB/A) | 71 |
| K20 (LB/A) | 109 |
| MGO (LB/a) | 18 |

COUNTY: **Wyoming** # of Samples 151

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.1 | | |
| Acidity (meq/100 g) | 3.9 | | |
| P (ppm) | 73 | | |
| K (ppm) | 102 | K (% Sat) | 2.4 |
| Mg (ppm) | 132 | Mg (% Sat) | 6.6 |
| Ca (ppm) | 1,140 | Ca (% Sat) | 51.1 |
| CEC | 10.9 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 2404 |
| N (lb/A) | 158 |
| P2O5 (LB/A) | 42 |
| K20 (LB/A) | 147 |
| MGO (LB/a) | 30 |

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

| | | | |
|----------------|-------------|---------------------|-----|
| COUNTY: | York | # of Samples | 280 |
|----------------|-------------|---------------------|-----|

SOIL TEST RESULTS

| RESULT | AVERAGE | RESULT | AVERAGE |
|---------------------|---------|------------|---------|
| pH | 6.4 | | |
| Acidity (meq/100 g) | 2.6 | | |
| P (ppm) | 77 | | |
| K (ppm) | 105 | K (% Sat) | 2.5 |
| Mg (ppm) | 144 | Mg (% Sat) | 9.0 |
| Ca (ppm) | 1,405 | Ca (% Sat) | 61.3 |
| CEC | 10.8 | | |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A) | 1378 |
| N (lb/A) | 107 |
| P2O5 (LB/A) | 51 |
| K2O (LB/A) | 124 |
| MGO (LB/a) | 14 |