

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1999-2000

# SAMPLES: 19847

SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.1     |            |         |
| P (ppm)*            | 68      |            |         |
| K (ppm)             | 130     | K (% sat)  | 3.40    |
| Mg (ppm)            | 145     | Mg (% sat) | 12.4    |
| Ca (ppm)            | 1292    | Ca (% sat) | 62.0    |
| CEC (meq/100 g)     | 9.8     |            |         |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1712    |
| N (LB/A)       | 74      |
| P2O5 (LB/A)    | 39      |
| K2O (LB/A)     | 81      |
| MGO (LB/A)     | 13      |

\*Note: Maximum laboratory measurement of 750 ppm P in soil. Average P value does not reflect samples that may have exceeded 750 ppm P.

## Agronomic

**ADAMS**# SAMPLES: **286**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.1     |            |         |
| P (ppm)*            | 58      |            |         |
| K (ppm)             | 100.98  | K (% sat)  | 2.57    |
| Mg (ppm)            | 188.85  | Mg (% sat) | 15.3    |
| Ca (ppm)            | 1215.17 | Ca (% sat) | 60.2    |
| CEC (meq/100 g)     | 10.0    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1952    |
| N (LB/A)                  | 55      |
| P2O5 (LB/A)               | 46      |
| K2O (LB/A)                | 112     |
| MGO (LB/A)                | 3       |

**ALLEGHENY**# SAMPLES: **390**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 70      |            |         |
| K (ppm)             | 129.29  | K (% sat)  | 2.81    |
| Mg (ppm)            | 225.48  | Mg (% sat) | 13.5    |
| Ca (ppm)            | 1823.79 | Ca (% sat) | 63.8    |
| CEC (meq/100 g)     | 11.8    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1997    |
| N (LB/A)                  | 74      |
| P2O5 (LB/A)               | 34      |
| K2O (LB/A)                | 56      |
| MGO (LB/A)                | 13      |

## Agronomic

**ARMSTRONG**

# SAMPLES:

**215**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.9     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 45      |            |         |
| K (ppm)             | 121.75  | K (% sat)  | 2.91    |
| Mg (ppm)            | 122.85  | Mg (% sat) | 9.0     |
| Ca (ppm)            | 1268.84 | Ca (% sat) | 55.9    |
| CEC (meq/100 g)     | 10.7    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3019    |
| N (LB/A)       | 45      |
| P2O5 (LB/A)    | 73      |
| K2O (LB/A)     | 112     |
| MGO (LB/A)     | 56      |

**BEAVER**

# SAMPLES:

**86**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 38      |            |         |
| K (ppm)             | 117.05  | K (% sat)  | 2.82    |
| Mg (ppm)            | 159.35  | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1438.14 | Ca (% sat) | 54.6    |
| CEC (meq/100 g)     | 10.7    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2778    |
| N (LB/A)       | 48      |
| P2O5 (LB/A)    | 78      |
| K2O (LB/A)     | 109     |
| MGO (LB/A)     | 20      |

## Agronomic

**BEDFORD**

# SAMPLES:

**574**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 54      |            |         |
| K (ppm)             | 127.80  | K (% sat)  | 3.60    |
| Mg (ppm)            | 130.52  | Mg (% sat) | 12.1    |
| Ca (ppm)            | 1215.85 | Ca (% sat) | 65.7    |
| CEC (meq/100 g)     | 9.1     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1244    |
| N (LB/A)       | 74      |
| P2O5 (LB/A)    | 42      |
| K2O (LB/A)     | 71      |
| MGO (LB/A)     | 10      |

**BERKS**

# SAMPLES:

**335**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 101     |            |         |
| K (ppm)             | 153.43  | K (% sat)  | 3.89    |
| Mg (ppm)            | 176.99  | Mg (% sat) | 14.9    |
| Ca (ppm)            | 1249.01 | Ca (% sat) | 60.7    |
| CEC (meq/100 g)     | 10.0    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1410    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 25      |
| K2O (LB/A)     | 45      |
| MGO (LB/A)     | 8       |

## Agronomic

**BLAIR**

# SAMPLES: 487

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.3     |            |         |
| P (ppm)*            | 57      |            |         |
| K (ppm)             | 159.24  | K (% sat)  | 4.21    |
| Mg (ppm)            | 172.93  | Mg (% sat) | 14.6    |
| Ca (ppm)            | 1392.85 | Ca (% sat) | 66.8    |
| CEC (meq/100 g)     | 9.8     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1033    |
| N (LB/A)                  | 89      |
| P2O5 (LB/A)               | 41      |
| K2O (LB/A)                | 73      |
| MGO (LB/A)                | 8       |

**BRADFORD**

# SAMPLES: 762

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 66      |            |         |
| K (ppm)             | 119.49  | K (% sat)  | 3.16    |
| Mg (ppm)            | 159.80  | Mg (% sat) | 14.0    |
| Ca (ppm)            | 1121.71 | Ca (% sat) | 58.3    |
| CEC (meq/100 g)     | 9.5     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1955    |
| N (LB/A)                  | 65      |
| P2O5 (LB/A)               | 31      |
| K2O (LB/A)                | 106     |
| MGO (LB/A)                | 6       |

## Agronomic

**BUCKS**# SAMPLES: **248**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 128.20  | K (% sat)  | 3.53    |
| Mg (ppm)            | 230.42  | Mg (% sat) | 20.8    |
| Ca (ppm)            | 1007.18 | Ca (% sat) | 54.0    |
| CEC (meq/100 g)     | 9.3     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1492    |
| N (LB/A)                  | 81      |
| P2O5 (LB/A)               | 34      |
| K2O (LB/A)                | 72      |
| MGO (LB/A)                | 1       |

**BUTLER**# SAMPLES: **375**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 50      |            |         |
| K (ppm)             | 112.91  | K (% sat)  | 3.24    |
| Mg (ppm)            | 100.32  | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1417.55 | Ca (% sat) | 67.1    |
| CEC (meq/100 g)     | 9.3     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1618    |
| N (LB/A)                  | 62      |
| P2O5 (LB/A)               | 57      |
| K2O (LB/A)                | 91      |
| MGO (LB/A)                | 26      |

## Agronomic

**CAMBRIA**

# SAMPLES:

**244**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 49      |            |         |
| K (ppm)             | 147.27  | K (% sat)  | 3.16    |
| Mg (ppm)            | 175.97  | Mg (% sat) | 12.2    |
| Ca (ppm)            | 1601.72 | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 11.9    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1832    |
| N (LB/A)       | 48      |
| P2O5 (LB/A)    | 54      |
| K2O (LB/A)     | 114     |
| MGO (LB/A)     | 5       |

**CAMERON**

# SAMPLES:

**34**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.8     |            |         |
| ACIDITY (meq/100 g) | 3.9     |            |         |
| P (ppm)*            | 32      |            |         |
| K (ppm)             | 101.51  | K (% sat)  | 2.72    |
| Mg (ppm)            | 68.47   | Mg (% sat) | 6.4     |
| Ca (ppm)            | 1035.29 | Ca (% sat) | 49.4    |
| CEC (meq/100 g)     | 9.8     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3732    |
| N (LB/A)       | 40      |
| P2O5 (LB/A)    | 73      |
| K2O (LB/A)     | 120     |
| MGO (LB/A)     | 81      |

## Agronomic

**CARBON**

# SAMPLES: 9

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.4     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 94.90   | K (% sat)  | 2.27    |
| Mg (ppm)            | 113.33  | Mg (% sat) | 8.4     |
| Ca (ppm)            | 1731.11 | Ca (% sat) | 63.7    |
| CEC (meq/100 g)     | 11.3    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2211    |
| N (LB/A)                  | 34      |
| P2O5 (LB/A)               | 31      |
| K2O (LB/A)                | 131     |
| MGO (LB/A)                | 106     |

**CENTRE**

# SAMPLES: 1325

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 138.99  | K (% sat)  | 3.51    |
| Mg (ppm)            | 122.91  | Mg (% sat) | 10.2    |
| Ca (ppm)            | 1557.72 | Ca (% sat) | 70.6    |
| CEC (meq/100 g)     | 10.0    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1090    |
| N (LB/A)                  | 65      |
| P2O5 (LB/A)               | 33      |
| K2O (LB/A)                | 69      |
| MGO (LB/A)                | 10      |



## Agronomic

**CHESTER**

# SAMPLES:

**290**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 71      |            |         |
| K (ppm)             | 145.73  | K (% sat)  | 3.99    |
| Mg (ppm)            | 176.03  | Mg (% sat) | 16.4    |
| Ca (ppm)            | 1144.83 | Ca (% sat) | 61.2    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 982     |
| N (LB/A)       | 84      |
| P2O5 (LB/A)    | 40      |
| K2O (LB/A)     | 76      |
| MGO (LB/A)     | 7       |

**CLARION**

# SAMPLES:

**127**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.7     |            |         |
| ACIDITY (meq/100 g) | 4.6     |            |         |
| P (ppm)*            | 20      |            |         |
| K (ppm)             | 81.78   | K (% sat)  | 1.97    |
| Mg (ppm)            | 103.37  | Mg (% sat) | 8.0     |
| Ca (ppm)            | 1100.00 | Ca (% sat) | 52.1    |
| CEC (meq/100 g)     | 10.8    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3728    |
| N (LB/A)       | 71      |
| P2O5 (LB/A)    | 117     |
| K2O (LB/A)     | 147     |
| MGO (LB/A)     | 43      |

## Agronomic

**CLEARFIELD**

# SAMPLES:

**378**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 49      |            |         |
| K (ppm)             | 119.02  | K (% sat)  | 2.74    |
| Mg (ppm)            | 116.38  | Mg (% sat) | 8.7     |
| Ca (ppm)            | 1701.22 | Ca (% sat) | 64.4    |
| CEC (meq/100 g)     | 11.1    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2122    |
| N (LB/A)       | 43      |
| P2O5 (LB/A)    | 66      |
| K2O (LB/A)     | 112     |
| MGO (LB/A)     | 28      |

**CLINTON**

# SAMPLES:

**224**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 63      |            |         |
| K (ppm)             | 135.87  | K (% sat)  | 3.72    |
| Mg (ppm)            | 126.54  | Mg (% sat) | 11.1    |
| Ca (ppm)            | 1298.30 | Ca (% sat) | 66.1    |
| CEC (meq/100 g)     | 9.4     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1477    |
| N (LB/A)       | 95      |
| P2O5 (LB/A)    | 42      |
| K2O (LB/A)     | 67      |
| MGO (LB/A)     | 17      |

## Agronomic

**COLUMBIA**

# SAMPLES:

**353****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 82      |            |         |
| K (ppm)             | 107.27  | K (% sat)  | 3.17    |
| Mg (ppm)            | 96.92   | Mg (% sat) | 9.7     |
| Ca (ppm)            | 1183.12 | Ca (% sat) | 62.4    |
| CEC (meq/100 g)     | 8.7     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1629    |
| N (LB/A)       | 93      |
| P2O5 (LB/A)    | 20      |
| K2O (LB/A)     | 59      |
| MGO (LB/A)     | 16      |

**CRAWFORD**

# SAMPLES:

**441****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 57      |            |         |
| K (ppm)             | 107.22  | K (% sat)  | 2.78    |
| Mg (ppm)            | 139.46  | Mg (% sat) | 11.8    |
| Ca (ppm)            | 1210.02 | Ca (% sat) | 59.8    |
| CEC (meq/100 g)     | 10.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2130    |
| N (LB/A)       | 86      |
| P2O5 (LB/A)    | 34      |
| K2O (LB/A)     | 78      |
| MGO (LB/A)     | 8       |

## Agronomic

**CUMBERLAND**

# SAMPLES:

**286**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 97      |            |         |
| K (ppm)             | 121.73  | K (% sat)  | 2.96    |
| Mg (ppm)            | 136.24  | Mg (% sat) | 11.0    |
| Ca (ppm)            | 1601.96 | Ca (% sat) | 71.1    |
| CEC (meq/100 g)     | 10.5    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 978     |
| N (LB/A)       | 100     |
| P2O5 (LB/A)    | 34      |
| K2O (LB/A)     | 90      |
| MGO (LB/A)     | 15      |

**DAUPHIN**

# SAMPLES:

**348**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 81      |            |         |
| K (ppm)             | 115.94  | K (% sat)  | 3.18    |
| Mg (ppm)            | 121.79  | Mg (% sat) | 11.2    |
| Ca (ppm)            | 1216.15 | Ca (% sat) | 63.3    |
| CEC (meq/100 g)     | 9.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1406    |
| N (LB/A)       | 80      |
| P2O5 (LB/A)    | 26      |
| K2O (LB/A)     | 71      |
| MGO (LB/A)     | 19      |

## Agronomic

**DELAWARE**

# SAMPLES:

**66****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 107     |            |         |
| K (ppm)             | 108.55  | K (% sat)  | 3.15    |
| Mg (ppm)            | 156.00  | Mg (% sat) | 15.2    |
| Ca (ppm)            | 1016.06 | Ca (% sat) | 59.1    |
| CEC (meq/100 g)     | 8.5     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1094    |
| N (LB/A)       | 89      |
| P2O5 (LB/A)    | 21      |
| K2O (LB/A)     | 61      |
| MGO (LB/A)     | 7       |

**ELK**

# SAMPLES:

**46****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 29      |            |         |
| K (ppm)             | 89.02   | K (% sat)  | 2.05    |
| Mg (ppm)            | 105.13  | Mg (% sat) | 7.8     |
| Ca (ppm)            | 1506.52 | Ca (% sat) | 62.4    |
| CEC (meq/100 g)     | 11.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2630    |
| N (LB/A)       | 34      |
| P2O5 (LB/A)    | 83      |
| K2O (LB/A)     | 167     |
| MGO (LB/A)     | 49      |

## Agronomic

ERIE

| SOIL TEST RESULTS         |         | # SAMPLES: 291 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.1     |                |         |
| ACIDITY (meq/100 g)       | 3.0     |                |         |
| P (ppm)*                  | 59      |                |         |
| K (ppm)                   | 107.79  | K (% sat)      | 2.86    |
| Mg (ppm)                  | 137.36  | Mg (% sat)     | 11.6    |
| Ca (ppm)                  | 1078.42 | Ca (% sat)     | 53.6    |
| CEC (meq/100 g)           | 9.8     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 2540           |         |
| N (LB/A)                  |         | 79             |         |
| P2O5 (LB/A)               |         | 51             |         |
| K2O (LB/A)                |         | 83             |         |
| MGO (LB/A)                |         | 12             |         |

FAYETTE

| SOIL TEST RESULTS         |         | # SAMPLES: 266 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.1     |                |         |
| ACIDITY (meq/100 g)       | 2.6     |                |         |
| P (ppm)*                  | 40      |                |         |
| K (ppm)                   | 128.88  | K (% sat)      | 3.12    |
| Mg (ppm)                  | 136.96  | Mg (% sat)     | 10.7    |
| Ca (ppm)                  | 1335.26 | Ca (% sat)     | 60.5    |
| CEC (meq/100 g)           | 10.6    |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 2374           |         |
| N (LB/A)                  |         | 52             |         |
| P2O5 (LB/A)               |         | 68             |         |
| K2O (LB/A)                |         | 111            |         |
| MGO (LB/A)                |         | 18             |         |

## Agronomic

**FOREST**# SAMPLES: **3****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.0     |            |         |
| ACIDITY (meq/100 g) | 7.7     |            |         |
| P (ppm)*            | 14      |            |         |
| K (ppm)             | 46.80   | K (% sat)  | 1.30    |
| Mg (ppm)            | 64.00   | Mg (% sat) | 6.6     |
| Ca (ppm)            | 473.33  | Ca (% sat) | 30.2    |
| CEC (meq/100 g)     | 10.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 6367    |
| N (LB/A)       | 0       |
| P2O5 (LB/A)    | 130     |
| K2O (LB/A)     | 237     |
| MGO (LB/A)     | 90      |

**FRANKLIN**# SAMPLES: **569****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 148.17  | K (% sat)  | 4.04    |
| Mg (ppm)            | 128.75  | Mg (% sat) | 11.7    |
| Ca (ppm)            | 1303.27 | Ca (% sat) | 66.7    |
| CEC (meq/100 g)     | 9.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1311    |
| N (LB/A)       | 75      |
| P2O5 (LB/A)    | 30      |
| K2O (LB/A)     | 69      |
| MGO (LB/A)     | 4       |

## Agronomic

**FULTON**

# SAMPLES:

**206****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 53      |            |         |
| K (ppm)             | 103.58  | K (% sat)  | 3.00    |
| Mg (ppm)            | 133.57  | Mg (% sat) | 12.9    |
| Ca (ppm)            | 1081.84 | Ca (% sat) | 60.4    |
| CEC (meq/100 g)     | 8.7     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1563    |
| N (LB/A)       | 53      |
| P2O5 (LB/A)    | 48      |
| K2O (LB/A)     | 105     |
| MGO (LB/A)     | 12      |

**GREENE**

# SAMPLES:

**117****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.9     |            |         |
| ACIDITY (meq/100 g) | 3.6     |            |         |
| P (ppm)*            | 44      |            |         |
| K (ppm)             | 114.73  | K (% sat)  | 2.54    |
| Mg (ppm)            | 162.15  | Mg (% sat) | 11.8    |
| Ca (ppm)            | 1299.49 | Ca (% sat) | 54.1    |
| CEC (meq/100 g)     | 11.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3238    |
| N (LB/A)       | 26      |
| P2O5 (LB/A)    | 69      |
| K2O (LB/A)     | 115     |
| MGO (LB/A)     | 26      |



## Agronomic

**HUNTINGDON**

# SAMPLES:

**461**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 55      |            |         |
| K (ppm)             | 127.43  | K (% sat)  | 3.49    |
| Mg (ppm)            | 129.66  | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1402.99 | Ca (% sat) | 68.5    |
| CEC (meq/100 g)     | 9.7     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1222    |
| N (LB/A)       | 82      |
| P2O5 (LB/A)    | 44      |
| K2O (LB/A)     | 99      |
| MGO (LB/A)     | 15      |

**INDIANA**

# SAMPLES:

**387**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.9     |            |         |
| P (ppm)*            | 46      |            |         |
| K (ppm)             | 135.12  | K (% sat)  | 3.17    |
| Mg (ppm)            | 154.17  | Mg (% sat) | 11.9    |
| Ca (ppm)            | 1318.04 | Ca (% sat) | 56.8    |
| CEC (meq/100 g)     | 10.6    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2481    |
| N (LB/A)       | 77      |
| P2O5 (LB/A)    | 65      |
| K2O (LB/A)     | 78      |
| MGO (LB/A)     | 15      |

## Agronomic

**JEFFERSON**

# SAMPLES:

**223****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.8     |            |         |
| P (ppm)*            | 30      |            |         |
| K (ppm)             | 108.89  | K (% sat)  | 2.51    |
| Mg (ppm)            | 124.04  | Mg (% sat) | 9.4     |
| Ca (ppm)            | 1333.99 | Ca (% sat) | 61.4    |
| CEC (meq/100 g)     | 10.6    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2300    |
| N (LB/A)       | 56      |
| P2O5 (LB/A)    | 87      |
| K2O (LB/A)     | 136     |
| MGO (LB/A)     | 28      |

**JUNIATA**

# SAMPLES:

**300****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 69      |            |         |
| K (ppm)             | 147.23  | K (% sat)  | 3.72    |
| Mg (ppm)            | 128.00  | Mg (% sat) | 10.5    |
| Ca (ppm)            | 1362.47 | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 10.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1431    |
| N (LB/A)       | 59      |
| P2O5 (LB/A)    | 36      |
| K2O (LB/A)     | 54      |
| MGO (LB/A)     | 7       |

## Agronomic

**LACKAWANNA**

# SAMPLES:

**55****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 74      |            |         |
| K (ppm)             | 120.26  | K (% sat)  | 3.09    |
| Mg (ppm)            | 192.65  | Mg (% sat) | 16.8    |
| Ca (ppm)            | 1029.82 | Ca (% sat) | 54.5    |
| CEC (meq/100 g)     | 9.1     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1511    |
| N (LB/A)       | 69      |
| P2O5 (LB/A)    | 40      |
| K2O (LB/A)     | 143     |
| MGO (LB/A)     | 14      |

**LANCASTER**

# SAMPLES:

**994****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.8     |            |         |
| ACIDITY (meq/100 g) | 0.9     |            |         |
| P (ppm)*            | 124     |            |         |
| K (ppm)             | 166.85  | K (% sat)  | 4.70    |
| Mg (ppm)            | 178.21  | Mg (% sat) | 16.9    |
| Ca (ppm)            | 1298.03 | Ca (% sat) | 68.4    |
| CEC (meq/100 g)     | 9.2     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 506     |
| N (LB/A)       | 107     |
| P2O5 (LB/A)    | 12      |
| K2O (LB/A)     | 53      |
| MGO (LB/A)     | 1       |

## Agronomic

**LAWRENCE**

# SAMPLES:

**149**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 46      |            |         |
| K (ppm)             | 139.59  | K (% sat)  | 3.62    |
| Mg (ppm)            | 96.24   | Mg (% sat) | 8.1     |
| Ca (ppm)            | 1373.56 | Ca (% sat) | 68.7    |
| CEC (meq/100 g)     | 9.9     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1729    |
| N (LB/A)       | 76      |
| P2O5 (LB/A)    | 44      |
| K2O (LB/A)     | 54      |
| MGO (LB/A)     | 28      |

**LEBANON**

# SAMPLES:

**232**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 108     |            |         |
| K (ppm)             | 163.33  | K (% sat)  | 4.08    |
| Mg (ppm)            | 163.66  | Mg (% sat) | 13.6    |
| Ca (ppm)            | 1489.05 | Ca (% sat) | 67.4    |
| CEC (meq/100 g)     | 10.2    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 982     |
| N (LB/A)       | 83      |
| P2O5 (LB/A)    | 26      |
| K2O (LB/A)     | 51      |
| MGO (LB/A)     | 4       |

## Agronomic

**LEHIGH**# SAMPLES: **246**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 81      |            |         |
| K (ppm)             | 155.89  | K (% sat)  | 4.39    |
| Mg (ppm)            | 148.24  | Mg (% sat) | 13.8    |
| Ca (ppm)            | 1012.36 | Ca (% sat) | 54.6    |
| CEC (meq/100 g)     | 8.9     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1728    |
| N (LB/A)                  | 61      |
| P2O5 (LB/A)               | 17      |
| K2O (LB/A)                | 32      |
| MGO (LB/A)                | 5       |

**LUZERNE**# SAMPLES: **99**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.1     |            |         |
| P (ppm)*            | 86      |            |         |
| K (ppm)             | 116.96  | K (% sat)  | 3.20    |
| Mg (ppm)            | 108.97  | Mg (% sat) | 9.4     |
| Ca (ppm)            | 1145.25 | Ca (% sat) | 52.5    |
| CEC (meq/100 g)     | 9.4     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2828    |
| N (LB/A)                  | 55      |
| P2O5 (LB/A)               | 19      |
| K2O (LB/A)                | 93      |
| MGO (LB/A)                | 26      |

## Agronomic

**LYCOMING**

# SAMPLES:

**369****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.4     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 112.09  | K (% sat)  | 3.06    |
| Mg (ppm)            | 107.93  | Mg (% sat) | 10.0    |
| Ca (ppm)            | 1125.80 | Ca (% sat) | 59.8    |
| CEC (meq/100 g)     | 9.1     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2038    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 44      |
| K2O (LB/A)     | 91      |
| MGO (LB/A)     | 24      |

**MCKEAN**

# SAMPLES:

**45****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.8     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 114.49  | K (% sat)  | 2.66    |
| Mg (ppm)            | 145.07  | Mg (% sat) | 11.3    |
| Ca (ppm)            | 1292.44 | Ca (% sat) | 58.6    |
| CEC (meq/100 g)     | 10.8    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2656    |
| N (LB/A)       | 32      |
| P2O5 (LB/A)    | 67      |
| K2O (LB/A)     | 129     |
| MGO (LB/A)     | 38      |

## Agronomic

**MERCER**

# SAMPLES:

**510**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 104.34  | K (% sat)  | 2.80    |
| Mg (ppm)            | 123.44  | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1121.65 | Ca (% sat) | 61.0    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1947    |
| N (LB/A)       | 74      |
| P2O5 (LB/A)    | 49      |
| K2O (LB/A)     | 92      |
| MGO (LB/A)     | 20      |

**MIFFLIN**

# SAMPLES:

**95**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 92      |            |         |
| K (ppm)             | 157.97  | K (% sat)  | 4.34    |
| Mg (ppm)            | 148.80  | Mg (% sat) | 13.3    |
| Ca (ppm)            | 1211.58 | Ca (% sat) | 63.5    |
| CEC (meq/100 g)     | 9.3     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1562    |
| N (LB/A)       | 71      |
| P2O5 (LB/A)    | 11      |
| K2O (LB/A)     | 39      |
| MGO (LB/A)     | 11      |

## Agronomic

**MONROE**

# SAMPLES:

**43**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.7     |            |         |
| ACIDITY (meq/100 g) | 4.6     |            |         |
| P (ppm)*            | 94      |            |         |
| K (ppm)             | 78.00   | K (% sat)  | 2.17    |
| Mg (ppm)            | 121.40  | Mg (% sat) | 12.2    |
| Ca (ppm)            | 710.70  | Ca (% sat) | 41.4    |
| CEC (meq/100 g)     | 9.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4151    |
| N (LB/A)       | 58      |
| P2O5 (LB/A)    | 48      |
| K2O (LB/A)     | 136     |
| MGO (LB/A)     | 40      |

**MONTGOMERY**

# SAMPLES:

**205**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 103     |            |         |
| K (ppm)             | 126.21  | K (% sat)  | 3.10    |
| Mg (ppm)            | 215.06  | Mg (% sat) | 18.2    |
| Ca (ppm)            | 1132.59 | Ca (% sat) | 55.5    |
| CEC (meq/100 g)     | 10.0    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1683    |
| N (LB/A)       | 70      |
| P2O5 (LB/A)    | 24      |
| K2O (LB/A)     | 72      |
| MGO (LB/A)     | 6       |



## Agronomic

**MONTOUR**

# SAMPLES:

**65**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 81      |            |         |
| K (ppm)             | 106.44  | K (% sat)  | 3.12    |
| Mg (ppm)            | 90.83   | Mg (% sat) | 8.9     |
| Ca (ppm)            | 1273.85 | Ca (% sat) | 62.1    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1495    |
| N (LB/A)       | 87      |
| P2O5 (LB/A)    | 30      |
| K2O (LB/A)     | 78      |
| MGO (LB/A)     | 20      |

**NORTHAMPTON**

# SAMPLES:

**365**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 84      |            |         |
| K (ppm)             | 159.52  | K (% sat)  | 3.76    |
| Mg (ppm)            | 148.54  | Mg (% sat) | 12.0    |
| Ca (ppm)            | 1930.85 | Ca (% sat) | 60.4    |
| CEC (meq/100 g)     | 10.7    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1712    |
| N (LB/A)       | 96      |
| P2O5 (LB/A)    | 17      |
| K2O (LB/A)     | 37      |
| MGO (LB/A)     | 9       |

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

717

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 98      |            |         |
| K (ppm)             | 135.51  | K (% sat)  | 3.74    |
| Mg (ppm)            | 109.96  | Mg (% sat) | 10.1    |
| Ca (ppm)            | 1233.47 | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 9.1     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1202    |
| N (LB/A)       | 75      |
| P2O5 (LB/A)    | 17      |
| K2O (LB/A)     | 45      |
| MGO (LB/A)     | 8       |

**PERRY**

# SAMPLES:

843

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.3     |            |         |
| P (ppm)*            | 68      |            |         |
| K (ppm)             | 150.61  | K (% sat)  | 4.29    |
| Mg (ppm)            | 144.73  | Mg (% sat) | 13.6    |
| Ca (ppm)            | 1246.12 | Ca (% sat) | 66.7    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 975     |
| N (LB/A)       | 77      |
| P2O5 (LB/A)    | 29      |
| K2O (LB/A)     | 65      |
| MGO (LB/A)     | 4       |

## Agronomic

**PHILADELPHIA**

# SAMPLES:

**2****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.1     |            |         |
| ACIDITY (meq/100 g) | 7.8     |            |         |
| P (ppm)*            | 46      |            |         |
| K (ppm)             | 48.75   | K (% sat)  | 1.20    |
| Mg (ppm)            | 30.00   | Mg (% sat) | 2.8     |
| Ca (ppm)            | 380.00  | Ca (% sat) | 19.0    |
| CEC (meq/100 g)     | 10.1    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 11600   |
| N (LB/A)       | 0       |
| P2O5 (LB/A)    | 70      |
| K2O (LB/A)     | 255     |
| MGO (LB/A)     | 85      |

**PIKE**

# SAMPLES:

**22****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.9     |            |         |
| ACIDITY (meq/100 g) | 4.3     |            |         |
| P (ppm)*            | 69      |            |         |
| K (ppm)             | 83.67   | K (% sat)  | 2.19    |
| Mg (ppm)            | 95.45   | Mg (% sat) | 8.0     |
| Ca (ppm)            | 1444.55 | Ca (% sat) | 51.6    |
| CEC (meq/100 g)     | 11.6    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2927    |
| N (LB/A)       | 11      |
| P2O5 (LB/A)    | 44      |
| K2O (LB/A)     | 182     |
| MGO (LB/A)     | 77      |

## Agronomic

**POTTER**# SAMPLES: **145**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 5.8     |            |         |
| ACIDITY (meq/100 g) | 4.3     |            |         |
| P (ppm)*            | 45      |            |         |
| K (ppm)             | 132.84  | K (% sat)  | 3.11    |
| Mg (ppm)            | 160.14  | Mg (% sat) | 11.5    |
| Ca (ppm)            | 1127.72 | Ca (% sat) | 48.9    |
| CEC (meq/100 g)     | 11.5    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 3952    |
| N (LB/A)                  | 48      |
| P2O5 (LB/A)               | 59      |
| K2O (LB/A)                | 104     |
| MGO (LB/A)                | 26      |

**SCHUYLKILL**# SAMPLES: **257**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.4     |            |         |
| P (ppm)*            | 116     |            |         |
| K (ppm)             | 140.23  | K (% sat)  | 3.94    |
| Mg (ppm)            | 131.95  | Mg (% sat) | 12.3    |
| Ca (ppm)            | 1049.57 | Ca (% sat) | 56.8    |
| CEC (meq/100 g)     | 9.0     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1968    |
| N (LB/A)                  | 88      |
| P2O5 (LB/A)               | 10      |
| K2O (LB/A)                | 33      |
| MGO (LB/A)                | 7       |

## Agronomic

**SNYDER**

# SAMPLES:

**190**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 113     |            |         |
| K (ppm)             | 170.96  | K (% sat)  | 4.16    |
| Mg (ppm)            | 124.67  | Mg (% sat) | 10.1    |
| Ca (ppm)            | 1369.05 | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 10.1    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1314    |
| N (LB/A)       | 66      |
| P2O5 (LB/A)    | 19      |
| K2O (LB/A)     | 55      |
| MGO (LB/A)     | 18      |

**SOMERSET**

# SAMPLES:

**287**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 37      |            |         |
| K (ppm)             | 120.95  | K (% sat)  | 2.83    |
| Mg (ppm)            | 129.32  | Mg (% sat) | 9.9     |
| Ca (ppm)            | 1403.62 | Ca (% sat) | 57.5    |
| CEC (meq/100 g)     | 11.0    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2791    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 72      |
| K2O (LB/A)     | 111     |
| MGO (LB/A)     | 25      |

## Agronomic

**SULLIVAN**

# SAMPLES:

**28****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.9     |            |         |
| P (ppm)*            | 39      |            |         |
| K (ppm)             | 105.86  | K (% sat)  | 2.37    |
| Mg (ppm)            | 124.71  | Mg (% sat) | 9.3     |
| Ca (ppm)            | 1202.14 | Ca (% sat) | 53.7    |
| CEC (meq/100 g)     | 11.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3321    |
| N (LB/A)       | 37      |
| P2O5 (LB/A)    | 84      |
| K2O (LB/A)     | 111     |
| MGO (LB/A)     | 32      |

**SUSQUEHANNA**

# SAMPLES:

**575****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.9     |            |         |
| P (ppm)*            | 67      |            |         |
| K (ppm)             | 118.03  | K (% sat)  | 3.17    |
| Mg (ppm)            | 177.75  | Mg (% sat) | 15.8    |
| Ca (ppm)            | 939.65  | Ca (% sat) | 50.1    |
| CEC (meq/100 g)     | 9.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2250    |
| N (LB/A)       | 80      |
| P2O5 (LB/A)    | 40      |
| K2O (LB/A)     | 126     |
| MGO (LB/A)     | 19      |

## Agronomic

TIOGA

| SOIL TEST RESULTS         |         | # SAMPLES: 510 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.1     |                |         |
| ACIDITY (meq/100 g)       | 2.7     |                |         |
| P (ppm)*                  | 49      |                |         |
| K (ppm)                   | 114.77  | K (% sat)      | 2.83    |
| Mg (ppm)                  | 150.75  | Mg (% sat)     | 12.3    |
| Ca (ppm)                  | 1208.27 | Ca (% sat)     | 57.9    |
| CEC (meq/100 g)           | 10.2    |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 2278           |         |
| N (LB/A)                  |         | 90             |         |
| P2O5 (LB/A)               |         | 56             |         |
| K2O (LB/A)                |         | 114            |         |
| MGO (LB/A)                |         | 8              |         |

UNION

| SOIL TEST RESULTS         |         | # SAMPLES: 275 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.5     |                |         |
| ACIDITY (meq/100 g)       | 1.7     |                |         |
| P (ppm)*                  | 52      |                |         |
| K (ppm)                   | 120.38  | K (% sat)      | 3.29    |
| Mg (ppm)                  | 129.34  | Mg (% sat)     | 11.4    |
| Ca (ppm)                  | 1305.24 | Ca (% sat)     | 67.6    |
| CEC (meq/100 g)           | 9.4     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 1378           |         |
| N (LB/A)                  |         | 65             |         |
| P2O5 (LB/A)               |         | 39             |         |
| K2O (LB/A)                |         | 82             |         |
| MGO (LB/A)                |         | 13             |         |

\*Note: Maximum laboratory measurement of 750 ppm P in soil. Average P value does not reflect samples that may have exceeded 750 ppm P.

## Agronomic

**VENANGO**

# SAMPLES:

**79****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.4     |            |         |
| P (ppm)*            | 30      |            |         |
| K (ppm)             | 94.69   | K (% sat)  | 2.45    |
| Mg (ppm)            | 102.08  | Mg (% sat) | 8.8     |
| Ca (ppm)            | 1192.91 | Ca (% sat) | 53.3    |
| CEC (meq/100 g)     | 9.7     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3256    |
| N (LB/A)       | 67      |
| P2O5 (LB/A)    | 83      |
| K2O (LB/A)     | 128     |
| MGO (LB/A)     | 40      |

**WARREN**

# SAMPLES:

**154****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.4     |            |         |
| P (ppm)*            | 51      |            |         |
| K (ppm)             | 104.92  | K (% sat)  | 2.57    |
| Mg (ppm)            | 134.65  | Mg (% sat) | 11.2    |
| Ca (ppm)            | 1076.36 | Ca (% sat) | 52.9    |
| CEC (meq/100 g)     | 10.1    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2786    |
| N (LB/A)       | 82      |
| P2O5 (LB/A)    | 61      |
| K2O (LB/A)     | 110     |
| MGO (LB/A)     | 14      |



## Agronomic

**WASHINGTON**

# SAMPLES:

**416****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.0     |            |         |
| P (ppm)*            | 31      |            |         |
| K (ppm)             | 105.03  | K (% sat)  | 2.37    |
| Mg (ppm)            | 188.68  | Mg (% sat) | 13.2    |
| Ca (ppm)            | 1434.71 | Ca (% sat) | 56.5    |
| CEC (meq/100 g)     | 11.4    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2749    |
| N (LB/A)       | 40      |
| P2O5 (LB/A)    | 80      |
| K2O (LB/A)     | 159     |
| MGO (LB/A)     | 15      |

**WAYNE**

# SAMPLES:

**82****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.7     |            |         |
| P (ppm)*            | 69      |            |         |
| K (ppm)             | 105.63  | K (% sat)  | 2.38    |
| Mg (ppm)            | 140.49  | Mg (% sat) | 10.5    |
| Ca (ppm)            | 1385.85 | Ca (% sat) | 53.7    |
| CEC (meq/100 g)     | 11.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2941    |
| N (LB/A)       | 33      |
| P2O5 (LB/A)    | 39      |
| K2O (LB/A)     | 160     |
| MGO (LB/A)     | 57      |

## Agronomic

**WESTMORELAND**

# SAMPLES:

**310****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.6     |            |         |
| P (ppm)*            | 60      |            |         |
| K (ppm)             | 141.04  | K (% sat)  | 3.18    |
| Mg (ppm)            | 157.59  | Mg (% sat) | 11.6    |
| Ca (ppm)            | 1504.65 | Ca (% sat) | 60.3    |
| CEC (meq/100 g)     | 11.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2318    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 50      |
| K2O (LB/A)     | 78      |
| MGO (LB/A)     | 9       |

**WYOMING**

# SAMPLES:

**266****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 101     |            |         |
| K (ppm)             | 119.92  | K (% sat)  | 3.37    |
| Mg (ppm)            | 171.47  | Mg (% sat) | 15.6    |
| Ca (ppm)            | 948.12  | Ca (% sat) | 51.7    |
| CEC (meq/100 g)     | 9.1     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2235    |
| N (LB/A)       | 76      |
| P2O5 (LB/A)    | 11      |
| K2O (LB/A)     | 87      |
| MGO (LB/A)     | 10      |

## Agronomic

YORK

# SAMPLES:

465

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 76      |            |         |
| K (ppm)             | 118.19  | K (% sat)  | 3.58    |
| Mg (ppm)            | 148.36  | Mg (% sat) | 14.7    |
| Ca (ppm)            | 987.57  | Ca (% sat) | 57.5    |
| CEC (meq/100 g)     | 8.4     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1366    |
| N (LB/A)       | 83      |
| P2O5 (LB/A)    | 26      |
| K2O (LB/A)     | 44      |
| MGO (LB/A)     | 2       |