

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1996-1997

# SAMPLES: 20833

SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 110     | K (% sat)  | 3.22    |
| Mg (ppm)            | 130     | Mg (% sat) | 12.4    |
| Ca (ppm)            | 1158    | Ca (% sat) | 62.7    |
| CEC (meq/100 g)     | 8.8     |            |         |

SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1539    |
| N (LB/A)       | 76      |
| P2O5 (LB/A)    | 42      |
| K2O (LB/A)     | 82      |
| MGO (LB/A)     | 10      |

\*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: 176

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 85      | K (% sat)  | 2.47    |
| Mg (ppm)            | 159     | Mg (% sat) | 15.3    |
| Ca (ppm)            | 1127    | Ca (% sat) | 64.3    |
| CEC (meq/100 g)     | 8.7     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1049    |
| N (LB/A)                  | 69      |
| P2O5 (LB/A)               | 47      |
| K2O (LB/A)                | 104     |
| MGO (LB/A)                | 3       |

**ALLEGHENY**

# SAMPLES: 85

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 3.4     |            |         |
| P (ppm)*            | 32      |            |         |
| K (ppm)             | 139     | K (% sat)  | 2.24    |
| Mg (ppm)            | 506     | Mg (% sat) | 17.1    |
| Ca (ppm)            | 3250    | Ca (% sat) | 53.6    |
| CEC (meq/100 g)     | 16.3    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2819    |
| N (LB/A)                  | 45      |
| P2O5 (LB/A)               | 103     |
| K2O (LB/A)                | 232     |
| MGO (LB/A)                | 40      |

## Agronomic

**ARMSTRONG**

# SAMPLES:

**197**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 58      |            |         |
| K (ppm)             | 103     | K (% sat)  | 2.77    |
| Mg (ppm)            | 104     | Mg (% sat) | 8.5     |
| Ca (ppm)            | 1235    | Ca (% sat) | 61.2    |
| CEC (meq/100 g)     | 9.6     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2094    |
| N (LB/A)       | 77      |
| P2O5 (LB/A)    | 77      |
| K2O (LB/A)     | 98      |
| MGO (LB/A)     | 40      |

**BEAVER**

# SAMPLES:

**124**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 36      |            |         |
| K (ppm)             | 92      | K (% sat)  | 2.75    |
| Mg (ppm)            | 98      | Mg (% sat) | 9.4     |
| Ca (ppm)            | 1001    | Ca (% sat) | 56.2    |
| CEC (meq/100 g)     | 8.7     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2431    |
| N (LB/A)       | 64      |
| P2O5 (LB/A)    | 79      |
| K2O (LB/A)     | 107     |
| MGO (LB/A)     | 31      |

## Agronomic

**BEDFORD**

# SAMPLES:

**550**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.2     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 96      | K (% sat)  | 3.38    |
| Mg (ppm)            | 108     | Mg (% sat) | 12.5    |
| Ca (ppm)            | 978     | Ca (% sat) | 67.5    |
| CEC (meq/100 g)     | 7.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 887     |
| N (LB/A)       | 83      |
| P2O5 (LB/A)    | 54      |
| K2O (LB/A)     | 101     |
| MGO (LB/A)     | 4       |

**BERKS**

# SAMPLES:

**682**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 95      |            |         |
| K (ppm)             | 122     | K (% sat)  | 3.40    |
| Mg (ppm)            | 170     | Mg (% sat) | 15.8    |
| Ca (ppm)            | 1194    | Ca (% sat) | 65.3    |
| CEC (meq/100 g)     | 9.1     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 869     |
| N (LB/A)       | 38      |
| P2O5 (LB/A)    | 19      |
| K2O (LB/A)     | 38      |
| MGO (LB/A)     | 1       |

## Agronomic

**BLAIR**

| SOIL TEST RESULTS   |         | # SAMPLES: 581 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.8     |                |         |
| ACIDITY (meq/100 g) | 1.1     |                |         |
| P (ppm)*            | 59      |                |         |
| K (ppm)             | 126     | K (% sat)      | 3.88    |
| Mg (ppm)            | 152     | Mg (% sat)     | 15.1    |
| Ca (ppm)            | 1191    | Ca (% sat)     | 68.3    |
| CEC (meq/100 g)     | 8.5     |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 823     |
| N (LB/A)                  | 89      |
| P2O5 (LB/A)               | 43      |
| K2O (LB/A)                | 86      |
| MGO (LB/A)                | 5       |

**BRADFORD**

| SOIL TEST RESULTS   |         | # SAMPLES: 529 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.3     |                |         |
| ACIDITY (meq/100 g) | 2.1     |                |         |
| P (ppm)*            | 62      |                |         |
| K (ppm)             | 100     | K (% sat)      | 2.92    |
| Mg (ppm)            | 150     | Mg (% sat)     | 14.6    |
| Ca (ppm)            | 1015    | Ca (% sat)     | 58.2    |
| CEC (meq/100 g)     | 8.6     |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1816    |
| N (LB/A)                  | 62      |
| P2O5 (LB/A)               | 31      |
| K2O (LB/A)                | 109     |
| MGO (LB/A)                | 6       |

## Agronomic

**BUCKS**

# SAMPLES: 178

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 52      |            |         |
| K (ppm)             | 99      | K (% sat)  | 3.16    |
| Mg (ppm)            | 204     | Mg (% sat) | 21.0    |
| Ca (ppm)            | 909     | Ca (% sat) | 55.4    |
| CEC (meq/100 g)     | 8.2     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1021    |
| N (LB/A)                  | 77      |
| P2O5 (LB/A)               | 46      |
| K2O (LB/A)                | 77      |
| MGO (LB/A)                | 1       |

**BUTLER**

# SAMPLES: 272

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 42      |            |         |
| K (ppm)             | 94      | K (% sat)  | 2.60    |
| Mg (ppm)            | 111     | Mg (% sat) | 10.0    |
| Ca (ppm)            | 1267    | Ca (% sat) | 58.9    |
| CEC (meq/100 g)     | 9.2     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2568    |
| N (LB/A)                  | 54      |
| P2O5 (LB/A)               | 69      |
| K2O (LB/A)                | 116     |
| MGO (LB/A)                | 44      |

## Agronomic

**CAMBRIA**

# SAMPLES:

**293****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.8     |            |         |
| P (ppm)*            | 39      |            |         |
| K (ppm)             | 110     | K (% sat)  | 2.59    |
| Mg (ppm)            | 138     | Mg (% sat) | 10.8    |
| Ca (ppm)            | 1306    | Ca (% sat) | 60.7    |
| CEC (meq/100 g)     | 10.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2405    |
| N (LB/A)       | 71      |
| P2O5 (LB/A)    | 68      |
| K2O (LB/A)     | 114     |
| MGO (LB/A)     | 14      |

**CAMERON**

# SAMPLES:

**19****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.7     |            |         |
| P (ppm)*            | 34      |            |         |
| K (ppm)             | 85      | K (% sat)  | 2.16    |
| Mg (ppm)            | 64      | Mg (% sat) | 5.4     |
| Ca (ppm)            | 1098    | Ca (% sat) | 55.1    |
| CEC (meq/100 g)     | 9.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3221    |
| N (LB/A)       | 20      |
| P2O5 (LB/A)    | 87      |
| K2O (LB/A)     | 144     |
| MGO (LB/A)     | 80      |

## Agronomic

**CARBON**

# SAMPLES: 18

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.6     |            |         |
| P (ppm)*            | 42      |            |         |
| K (ppm)             | 76      | K (% sat)  | 2.29    |
| Mg (ppm)            | 136     | Mg (% sat) | 12.6    |
| Ca (ppm)            | 1140    | Ca (% sat) | 55.6    |
| CEC (meq/100 g)     | 9.1     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2644    |
| N (LB/A)                  | 3       |
| P2O5 (LB/A)               | 69      |
| K2O (LB/A)                | 197     |
| MGO (LB/A)                | 53      |

**CENTRE**

# SAMPLES: 1479

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 113     | K (% sat)  | 3.26    |
| Mg (ppm)            | 110     | Mg (% sat) | 10.2    |
| Ca (ppm)            | 1329    | Ca (% sat) | 70.6    |
| CEC (meq/100 g)     | 8.9     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1025    |
| N (LB/A)                  | 70      |
| P2O5 (LB/A)               | 40      |
| K2O (LB/A)                | 79      |
| MGO (LB/A)                | 8       |

## Agronomic

**CHESTER**

# SAMPLES:

**424**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 134     | K (% sat)  | 4.09    |
| Mg (ppm)            | 169     | Mg (% sat) | 17.4    |
| Ca (ppm)            | 1016    | Ca (% sat) | 59.6    |
| CEC (meq/100 g)     | 8.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 945     |
| N (LB/A)       | 69      |
| P2O5 (LB/A)    | 47      |
| K2O (LB/A)     | 60      |
| MGO (LB/A)     | 4       |

**CLARION**

# SAMPLES:

**119**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 25      |            |         |
| K (ppm)             | 86      | K (% sat)  | 2.44    |
| Mg (ppm)            | 74      | Mg (% sat) | 7.0     |
| Ca (ppm)            | 1255    | Ca (% sat) | 68.5    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1666    |
| N (LB/A)       | 81      |
| P2O5 (LB/A)    | 97      |
| K2O (LB/A)     | 108     |
| MGO (LB/A)     | 27      |

## Agronomic

**CLEARFIELD**

# SAMPLES:

**398**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 61      |            |         |
| K (ppm)             | 97      | K (% sat)  | 2.30    |
| Mg (ppm)            | 117     | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1489    | Ca (% sat) | 59.2    |
| CEC (meq/100 g)     | 10.0    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2230    |
| N (LB/A)       | 56      |
| P2O5 (LB/A)    | 83      |
| K2O (LB/A)     | 136     |
| MGO (LB/A)     | 23      |

**CLINTON**

# SAMPLES:

**325**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.2     |            |         |
| P (ppm)*            | 46      |            |         |
| K (ppm)             | 105     | K (% sat)  | 3.53    |
| Mg (ppm)            | 112     | Mg (% sat) | 12.4    |
| Ca (ppm)            | 1089    | Ca (% sat) | 68.6    |
| CEC (meq/100 g)     | 7.7     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1182    |
| N (LB/A)       | 85      |
| P2O5 (LB/A)    | 56      |
| K2O (LB/A)     | 66      |
| MGO (LB/A)     | 6       |

## Agronomic

**COLUMBIA**# SAMPLES: **483****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 80      |            |         |
| K (ppm)             | 89      | K (% sat)  | 2.88    |
| Mg (ppm)            | 76      | Mg (% sat) | 8.3     |
| Ca (ppm)            | 1109    | Ca (% sat) | 65.7    |
| CEC (meq/100 g)     | 8.0     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1294    |
| N (LB/A)       | 84      |
| P2O5 (LB/A)    | 23      |
| K2O (LB/A)     | 62      |
| MGO (LB/A)     | 17      |

**CRAWFORD**# SAMPLES: **918****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 86      | K (% sat)  | 2.56    |
| Mg (ppm)            | 122     | Mg (% sat) | 11.8    |
| Ca (ppm)            | 973     | Ca (% sat) | 56.8    |
| CEC (meq/100 g)     | 8.6     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2063    |
| N (LB/A)       | 101     |
| P2O5 (LB/A)    | 43      |
| K2O (LB/A)     | 76      |
| MGO (LB/A)     | 5       |

## Agronomic

**CUMBERLAND**

# SAMPLES:

**407****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.2     |            |         |
| P (ppm)*            | 73      |            |         |
| K (ppm)             | 141     | K (% sat)  | 3.84    |
| Mg (ppm)            | 124     | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1372    | Ca (% sat) | 71.5    |
| CEC (meq/100 g)     | 9.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 918     |
| N (LB/A)       | 96      |
| P2O5 (LB/A)    | 37      |
| K2O (LB/A)     | 74      |
| MGO (LB/A)     | 14      |

**DAUPHIN**

# SAMPLES:

**430****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 83      |            |         |
| K (ppm)             | 106     | K (% sat)  | 3.00    |
| Mg (ppm)            | 126     | Mg (% sat) | 11.7    |
| Ca (ppm)            | 1293    | Ca (% sat) | 66.2    |
| CEC (meq/100 g)     | 9.2     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1253    |
| N (LB/A)       | 63      |
| P2O5 (LB/A)    | 29      |
| K2O (LB/A)     | 84      |
| MGO (LB/A)     | 11      |

## Agronomic

**DELAWARE**

# SAMPLES:

**12****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 42      |            |         |
| K (ppm)             | 158     | K (% sat)  | 4.34    |
| Mg (ppm)            | 223     | Mg (% sat) | 20.5    |
| Ca (ppm)            | 1072    | Ca (% sat) | 59.3    |
| CEC (meq/100 g)     | 9.2     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1242    |
| N (LB/A)       | 39      |
| P2O5 (LB/A)    | 74      |
| K2O (LB/A)     | 61      |
| MGO (LB/A)     | 9       |

**ELK**

# SAMPLES:

**59****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 29      |            |         |
| K (ppm)             | 90      | K (% sat)  | 2.29    |
| Mg (ppm)            | 111     | Mg (% sat) | 9.8     |
| Ca (ppm)            | 1149    | Ca (% sat) | 58.1    |
| CEC (meq/100 g)     | 10.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2708    |
| N (LB/A)       | 30      |
| P2O5 (LB/A)    | 76      |
| K2O (LB/A)     | 144     |
| MGO (LB/A)     | 26      |

## Agronomic

**ERIE**

| SOIL TEST RESULTS   |         | # SAMPLES: 257 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.1     |                |         |
| ACIDITY (meq/100 g) | 3.1     |                |         |
| P (ppm)*            | 52      |                |         |
| K (ppm)             | 102     | K (% sat)      | 2.76    |
| Mg (ppm)            | 131     | Mg (% sat)     | 11.7    |
| Ca (ppm)            | 1008    | Ca (% sat)     | 52.0    |
| CEC (meq/100 g)     | 9.4     |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2786    |
| N (LB/A)                  | 88      |
| P2O5 (LB/A)               | 50      |
| K2O (LB/A)                | 87      |
| MGO (LB/A)                | 4       |

**FAYETTE**

| SOIL TEST RESULTS   |         | # SAMPLES: 277 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.3     |                |         |
| ACIDITY (meq/100 g) | 2.2     |                |         |
| P (ppm)*            | 38      |                |         |
| K (ppm)             | 100     | K (% sat)      | 2.73    |
| Mg (ppm)            | 130     | Mg (% sat)     | 11.6    |
| Ca (ppm)            | 1243    | Ca (% sat)     | 63.4    |
| CEC (meq/100 g)     | 9.6     |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1794    |
| N (LB/A)                  | 62      |
| P2O5 (LB/A)               | 68      |
| K2O (LB/A)                | 127     |
| MGO (LB/A)                | 25      |

## Agronomic

**FOREST**

# SAMPLES:

**25****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.9     |            |         |
| ACIDITY (meq/100 g) | 3.1     |            |         |
| P (ppm)*            | 45      |            |         |
| K (ppm)             | 88      | K (% sat)  | 2.79    |
| Mg (ppm)            | 50      | Mg (% sat) | 5.5     |
| Ca (ppm)            | 822     | Ca (% sat) | 53.3    |
| CEC (meq/100 g)     | 7.8     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2472    |
| N (LB/A)       | 93      |
| P2O5 (LB/A)    | 45      |
| K2O (LB/A)     | 56      |
| MGO (LB/A)     | 48      |

**FRANKLIN**

# SAMPLES:

**988****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 53      |            |         |
| K (ppm)             | 126     | K (% sat)  | 3.65    |
| Mg (ppm)            | 132     | Mg (% sat) | 12.4    |
| Ca (ppm)            | 1247    | Ca (% sat) | 67.6    |
| CEC (meq/100 g)     | 8.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1032    |
| N (LB/A)       | 67      |
| P2O5 (LB/A)    | 32      |
| K2O (LB/A)     | 73      |
| MGO (LB/A)     | 2       |

## Agronomic

**FULTON**

# SAMPLES:

**91****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 41      |            |         |
| K (ppm)             | 98      | K (% sat)  | 2.94    |
| Mg (ppm)            | 105     | Mg (% sat) | 10.7    |
| Ca (ppm)            | 1086    | Ca (% sat) | 63.0    |
| CEC (meq/100 g)     | 8.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1505    |
| N (LB/A)       | 51      |
| P2O5 (LB/A)    | 45      |
| K2O (LB/A)     | 112     |
| MGO (LB/A)     | 29      |

**GREENE**

# SAMPLES:

**146****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.7     |            |         |
| ACIDITY (meq/100 g) | 4.8     |            |         |
| P (ppm)*            | 34      |            |         |
| K (ppm)             | 81      | K (% sat)  | 1.88    |
| Mg (ppm)            | 138     | Mg (% sat) | 10.4    |
| Ca (ppm)            | 1465    | Ca (% sat) | 53.6    |
| CEC (meq/100 g)     | 12.6    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4459    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 72      |
| K2O (LB/A)     | 198     |
| MGO (LB/A)     | 60      |

## Agronomic

**HUNTINGDON**

# SAMPLES:

**628****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 44      |            |         |
| K (ppm)             | 102     | K (% sat)  | 3.09    |
| Mg (ppm)            | 117     | Mg (% sat) | 11.6    |
| Ca (ppm)            | 1222    | Ca (% sat) | 68.1    |
| CEC (meq/100 g)     | 8.6     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1141    |
| N (LB/A)       | 88      |
| P2O5 (LB/A)    | 55      |
| K2O (LB/A)     | 84      |
| MGO (LB/A)     | 3       |

**INDIANA**

# SAMPLES:

**491****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 41      |            |         |
| K (ppm)             | 106     | K (% sat)  | 2.88    |
| Mg (ppm)            | 138     | Mg (% sat) | 12.6    |
| Ca (ppm)            | 1107    | Ca (% sat) | 59.3    |
| CEC (meq/100 g)     | 9.2     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1838    |
| N (LB/A)       | 82      |
| P2O5 (LB/A)    | 59      |
| K2O (LB/A)     | 74      |
| MGO (LB/A)     | 10      |

## Agronomic

**JEFFERSON**

# SAMPLES:

**147****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 32      |            |         |
| K (ppm)             | 88      | K (% sat)  | 2.37    |
| Mg (ppm)            | 105     | Mg (% sat) | 9.5     |
| Ca (ppm)            | 1102    | Ca (% sat) | 57.9    |
| CEC (meq/100 g)     | 9.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2413    |
| N (LB/A)       | 60      |
| P2O5 (LB/A)    | 87      |
| K2O (LB/A)     | 123     |
| MGO (LB/A)     | 10      |

**JUNIATA**

# SAMPLES:

**396****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 137     | K (% sat)  | 4.16    |
| Mg (ppm)            | 108     | Mg (% sat) | 10.8    |
| Ca (ppm)            | 1132    | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 8.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1219    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 29      |
| K2O (LB/A)     | 39      |
| MGO (LB/A)     | 4       |

## Agronomic

**LACKAWANNA**

# SAMPLES:

**67****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 99      |            |         |
| K (ppm)             | 112     | K (% sat)  | 3.11    |
| Mg (ppm)            | 128     | Mg (% sat) | 12.0    |
| Ca (ppm)            | 1141    | Ca (% sat) | 63.3    |
| CEC (meq/100 g)     | 8.8     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1200    |
| N (LB/A)       | 103     |
| P2O5 (LB/A)    | 10      |
| K2O (LB/A)     | 64      |
| MGO (LB/A)     | 9       |

**LANCASTER**

# SAMPLES:

**1030****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.8     |            |         |
| ACIDITY (meq/100 g) | 0.8     |            |         |
| P (ppm)*            | 117     |            |         |
| K (ppm)             | 150     | K (% sat)  | 4.49    |
| Mg (ppm)            | 164     | Mg (% sat) | 16.3    |
| Ca (ppm)            | 1234    | Ca (% sat) | 69.0    |
| CEC (meq/100 g)     | 8.7     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 519     |
| N (LB/A)       | 102     |
| P2O5 (LB/A)    | 10      |
| K2O (LB/A)     | 49      |
| MGO (LB/A)     | 2       |

## Agronomic

**LAWRENCE**

# SAMPLES:

**240****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 103     | K (% sat)  | 2.94    |
| Mg (ppm)            | 105     | Mg (% sat) | 9.8     |
| Ca (ppm)            | 1267    | Ca (% sat) | 66.5    |
| CEC (meq/100 g)     | 8.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1539    |
| N (LB/A)       | 78      |
| P2O5 (LB/A)    | 47      |
| K2O (LB/A)     | 87      |
| MGO (LB/A)     | 14      |

**LEBANON**

# SAMPLES:

**179****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.2     |            |         |
| P (ppm)*            | 95      |            |         |
| K (ppm)             | 152     | K (% sat)  | 4.08    |
| Mg (ppm)            | 148     | Mg (% sat) | 13.6    |
| Ca (ppm)            | 1432    | Ca (% sat) | 68.8    |
| CEC (meq/100 g)     | 9.5     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 854     |
| N (LB/A)       | 107     |
| P2O5 (LB/A)    | 27      |
| K2O (LB/A)     | 37      |
| MGO (LB/A)     | 3       |

## Agronomic

**LEHIGH**

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 168 |
|---------------------------|---------|------------|---------|------------|-----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                        | 6.5     |            |         |            |     |
| ACIDITY (meq/100 g)       | 1.8     |            |         |            |     |
| P (ppm)*                  | 72      |            |         |            |     |
| K (ppm)                   | 125     | K (% sat)  | 4.07    |            |     |
| Mg (ppm)                  | 149     | Mg (% sat) | 16.1    |            |     |
| Ca (ppm)                  | 992     | Ca (% sat) | 56.6    |            |     |
| CEC (meq/100 g)           | 7.9     |            |         |            |     |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |     |
| RECOMMENDATION            |         | AVERAGE    |         |            |     |
| LIME (LB/A)               |         | 1413       |         |            |     |
| N (LB/A)                  |         | 66         |         |            |     |
| P2O5 (LB/A)               |         | 21         |         |            |     |
| K2O (LB/A)                |         | 46         |         |            |     |
| MGO (LB/A)                |         | 1          |         |            |     |

**LUZERNE**

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 112 |
|---------------------------|---------|------------|---------|------------|-----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                        | 6.1     |            |         |            |     |
| ACIDITY (meq/100 g)       | 2.7     |            |         |            |     |
| P (ppm)*                  | 93      |            |         |            |     |
| K (ppm)                   | 95      | K (% sat)  | 2.87    |            |     |
| Mg (ppm)                  | 91      | Mg (% sat) | 9.0     |            |     |
| Ca (ppm)                  | 910     | Ca (% sat) | 54.6    |            |     |
| CEC (meq/100 g)           | 8.2     |            |         |            |     |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |     |
| RECOMMENDATION            |         | AVERAGE    |         |            |     |
| LIME (LB/A)               |         | 2338       |         |            |     |
| N (LB/A)                  |         | 92         |         |            |     |
| P2O5 (LB/A)               |         | 16         |         |            |     |
| K2O (LB/A)                |         | 73         |         |            |     |
| MGO (LB/A)                |         | 6          |         |            |     |

## Agronomic

**LYCOMING**

# SAMPLES: 387

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 97      | K (% sat)  | 2.91    |
| Mg (ppm)            | 116     | Mg (% sat) | 11.6    |
| Ca (ppm)            | 1085    | Ca (% sat) | 62.0    |
| CEC (meq/100 g)     | 8.6     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1692    |
| N (LB/A)       | 81      |
| P2O5 (LB/A)    | 41      |
| K2O (LB/A)     | 83      |
| MGO (LB/A)     | 9       |

**MCKEAN**

# SAMPLES: 73

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.9     |            |         |
| P (ppm)*            | 45      |            |         |
| K (ppm)             | 92      | K (% sat)  | 2.13    |
| Mg (ppm)            | 125     | Mg (% sat) | 9.7     |
| Ca (ppm)            | 1140    | Ca (% sat) | 52.2    |
| CEC (meq/100 g)     | 10.9    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3716    |
| N (LB/A)       | 19      |
| P2O5 (LB/A)    | 88      |
| K2O (LB/A)     | 195     |
| MGO (LB/A)     | 57      |

## Agronomic

**MERCER**# SAMPLES: **360**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 99      | K (% sat)  | 2.96    |
| Mg (ppm)            | 130     | Mg (% sat) | 13.0    |
| Ca (ppm)            | 1047    | Ca (% sat) | 61.5    |
| CEC (meq/100 g)     | 8.5     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1483    |
| N (LB/A)                  | 84      |
| P2O5 (LB/A)               | 41      |
| K2O (LB/A)                | 82      |
| MGO (LB/A)                | 7       |

**MIFFLIN**# SAMPLES: **84**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 88      |            |         |
| K (ppm)             | 173     | K (% sat)  | 4.97    |
| Mg (ppm)            | 133     | Mg (% sat) | 12.5    |
| Ca (ppm)            | 1170    | Ca (% sat) | 65.7    |
| CEC (meq/100 g)     | 9.0     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1142    |
| N (LB/A)                  | 96      |
| P2O5 (LB/A)               | 26      |
| K2O (LB/A)                | 54      |
| MGO (LB/A)                | 3       |

## Agronomic

**MONROE**

# SAMPLES:

**45**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.1     |            |         |
| P (ppm)*            | 94      |            |         |
| K (ppm)             | 75      | K (% sat)  | 2.33    |
| Mg (ppm)            | 84      | Mg (% sat) | 8.7     |
| Ca (ppm)            | 914     | Ca (% sat) | 51.2    |
| CEC (meq/100 g)     | 8.3     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3164    |
| N (LB/A)       | 80      |
| P2O5 (LB/A)    | 21      |
| K2O (LB/A)     | 109     |
| MGO (LB/A)     | 34      |

**MONTGOMERY**

# SAMPLES:

**134**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 97      |            |         |
| K (ppm)             | 113     | K (% sat)  | 3.26    |
| Mg (ppm)            | 191     | Mg (% sat) | 17.9    |
| Ca (ppm)            | 1127    | Ca (% sat) | 61.5    |
| CEC (meq/100 g)     | 9.0     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1069    |
| N (LB/A)       | 42      |
| P2O5 (LB/A)    | 21      |
| K2O (LB/A)     | 56      |
| MGO (LB/A)     | 0       |

## Agronomic

**MONTOUR**

# SAMPLES: 101

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 61      |            |         |
| K (ppm)             | 91      | K (% sat)  | 2.66    |
| Mg (ppm)            | 94      | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1192    | Ca (% sat) | 64.3    |
| CEC (meq/100 g)     | 8.7     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1508    |
| N (LB/A)                  | 101     |
| P2O5 (LB/A)               | 39      |
| K2O (LB/A)                | 66      |
| MGO (LB/A)                | 4       |

**NORTHAMPTON**

# SAMPLES: 162

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 93      |            |         |
| K (ppm)             | 125     | K (% sat)  | 3.49    |
| Mg (ppm)            | 182     | Mg (% sat) | 14.4    |
| Ca (ppm)            | 1880    | Ca (% sat) | 58.8    |
| CEC (meq/100 g)     | 9.8     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1559    |
| N (LB/A)                  | 103     |
| P2O5 (LB/A)               | 35      |
| K2O (LB/A)                | 71      |
| MGO (LB/A)                | 22      |

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**684**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 98      |            |         |
| K (ppm)             | 133     | K (% sat)  | 3.85    |
| Mg (ppm)            | 106     | Mg (% sat) | 10.3    |
| Ca (ppm)            | 1135    | Ca (% sat) | 64.5    |
| CEC (meq/100 g)     | 8.7     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1336    |
| N (LB/A)       | 78      |
| P2O5 (LB/A)    | 17      |
| K2O (LB/A)     | 32      |
| MGO (LB/A)     | 7       |

**PERRY**

# SAMPLES:

**548**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 54      |            |         |
| K (ppm)             | 115     | K (% sat)  | 3.92    |
| Mg (ppm)            | 118     | Mg (% sat) | 13.4    |
| Ca (ppm)            | 1003    | Ca (% sat) | 64.7    |
| CEC (meq/100 g)     | 7.6     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1024    |
| N (LB/A)       | 72      |
| P2O5 (LB/A)    | 41      |
| K2O (LB/A)     | 80      |
| MGO (LB/A)     | 5       |

## Agronomic

**PHILADELPHIA**

# SAMPLES:

**105****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.8     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 36      |            |         |
| K (ppm)             | 72      | K (% sat)  | 2.35    |
| Mg (ppm)            | 130     | Mg (% sat) | 14.2    |
| Ca (ppm)            | 711     | Ca (% sat) | 44.4    |
| CEC (meq/100 g)     | 7.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2074    |
| N (LB/A)       | 0       |
| P2O5 (LB/A)    | 4       |
| K2O (LB/A)     | 13      |
| MGO (LB/A)     | 0       |

**PIKE**

# SAMPLES:

**13****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 94      |            |         |
| K (ppm)             | 49      | K (% sat)  | 1.21    |
| Mg (ppm)            | 117     | Mg (% sat) | 9.6     |
| Ca (ppm)            | 1217    | Ca (% sat) | 57.0    |
| CEC (meq/100 g)     | 10.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3123    |
| N (LB/A)       | 13      |
| P2O5 (LB/A)    | 5       |
| K2O (LB/A)     | 226     |
| MGO (LB/A)     | 26      |

Agronomic

**POTTER**

| SOIL TEST RESULTS   |         |            |         | # SAMPLES: | 289 |
|---------------------|---------|------------|---------|------------|-----|
| RESULT              | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                  | 6.2     |            |         |            |     |
| ACIDITY (meq/100 g) | 3.2     |            |         |            |     |
| P (ppm)*            | 50      |            |         |            |     |
| K (ppm)             | 94      | K (% sat)  | 2.47    |            |     |
| Mg (ppm)            | 137     | Mg (% sat) | 12.1    |            |     |
| Ca (ppm)            | 1012    | Ca (% sat) | 52.9    |            |     |
| CEC (meq/100 g)     | 9.5     |            |         |            |     |

  

| SOIL TEST RECOMMENDATIONS |  | AVERAGE |
|---------------------------|--|---------|
| RECOMMENDATION            |  |         |
| LIME (LB/A)               |  | 2866    |
| N (LB/A)                  |  | 81      |
| P2O5 (LB/A)               |  | 54      |
| K2O (LB/A)                |  | 132     |
| MGO (LB/A)                |  | 11      |

**SCHUYLKILL**

| SOIL TEST RESULTS   |         |            |         | # SAMPLES: | 304 |
|---------------------|---------|------------|---------|------------|-----|
| RESULT              | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                  | 6.3     |            |         |            |     |
| ACIDITY (meq/100 g) | 2.2     |            |         |            |     |
| P (ppm)*            | 129     |            |         |            |     |
| K (ppm)             | 122     | K (% sat)  | 3.61    |            |     |
| Mg (ppm)            | 129     | Mg (% sat) | 12.9    |            |     |
| Ca (ppm)            | 999     | Ca (% sat) | 57.7    |            |     |
| CEC (meq/100 g)     | 8.5     |            |         |            |     |

  

| SOIL TEST RECOMMENDATIONS |  | AVERAGE |
|---------------------------|--|---------|
| RECOMMENDATION            |  |         |
| LIME (LB/A)               |  | 1816    |
| N (LB/A)                  |  | 75      |
| P2O5 (LB/A)               |  | 10      |
| K2O (LB/A)                |  | 41      |
| MGO (LB/A)                |  | 2       |

\*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

**SNYDER**# SAMPLES: **356**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 62      |            |         |
| K (ppm)             | 132     | K (% sat)  | 3.54    |
| Mg (ppm)            | 102     | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1116    | Ca (% sat) | 64.7    |
| CEC (meq/100 g)     | 8.7     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1436    |
| N (LB/A)       | 87      |
| P2O5 (LB/A)    | 36      |
| K2O (LB/A)     | 49      |
| MGO (LB/A)     | 12      |

**SOMERSET**# SAMPLES: **326**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 36      |            |         |
| K (ppm)             | 120     | K (% sat)  | 3.01    |
| Mg (ppm)            | 115     | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1135    | Ca (% sat) | 55.0    |
| CEC (meq/100 g)     | 10.2    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2934    |
| N (LB/A)       | 58      |
| P2O5 (LB/A)    | 68      |
| K2O (LB/A)     | 101     |
| MGO (LB/A)     | 36      |

## Agronomic

**SULLIVAN**

# SAMPLES:

**35****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 4.2     |            |         |
| P (ppm)*            | 51      |            |         |
| K (ppm)             | 112     | K (% sat)  | 2.42    |
| Mg (ppm)            | 121     | Mg (% sat) | 8.7     |
| Ca (ppm)            | 1175    | Ca (% sat) | 51.0    |
| CEC (meq/100 g)     | 11.4    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4289    |
| N (LB/A)       | 18      |
| P2O5 (LB/A)    | 61      |
| K2O (LB/A)     | 133     |
| MGO (LB/A)     | 27      |

**SUSQUEHANNA**

# SAMPLES:

**324****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.6     |            |         |
| P (ppm)*            | 71      |            |         |
| K (ppm)             | 101     | K (% sat)  | 2.96    |
| Mg (ppm)            | 166     | Mg (% sat) | 16.0    |
| Ca (ppm)            | 878     | Ca (% sat) | 51.0    |
| CEC (meq/100 g)     | 8.6     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1970    |
| N (LB/A)       | 72      |
| P2O5 (LB/A)    | 39      |
| K2O (LB/A)     | 133     |
| MGO (LB/A)     | 11      |

## Agronomic

TIOGA

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 395 |
|---------------------------|---------|------------|---------|------------|-----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                        | 6.2     |            |         |            |     |
| ACIDITY (meq/100 g)       | 2.5     |            |         |            |     |
| P (ppm)*                  | 50      |            |         |            |     |
| K (ppm)                   | 95      | K (% sat)  | 2.70    |            |     |
| Mg (ppm)                  | 132     | Mg (% sat) | 12.7    |            |     |
| Ca (ppm)                  | 1053    | Ca (% sat) | 57.4    |            |     |
| CEC (meq/100 g)           | 9.0     |            |         |            |     |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |     |
| RECOMMENDATION            |         | AVERAGE    |         |            |     |
| LIME (LB/A)               |         | 2198       |         |            |     |
| N (LB/A)                  |         | 74         |         |            |     |
| P2O5 (LB/A)               |         | 52         |         |            |     |
| K2O (LB/A)                |         | 119        |         |            |     |
| MGO (LB/A)                |         | 13         |         |            |     |

UNION

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 408 |
|---------------------------|---------|------------|---------|------------|-----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                        | 6.6     |            |         |            |     |
| ACIDITY (meq/100 g)       | 1.3     |            |         |            |     |
| P (ppm)*                  | 51      |            |         |            |     |
| K (ppm)                   | 110     | K (% sat)  | 3.47    |            |     |
| Mg (ppm)                  | 114     | Mg (% sat) | 11.9    |            |     |
| Ca (ppm)                  | 1146    | Ca (% sat) | 69.4    |            |     |
| CEC (meq/100 g)           | 8.1     |            |         |            |     |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |     |
| RECOMMENDATION            |         | AVERAGE    |         |            |     |
| LIME (LB/A)               |         | 803        |         |            |     |
| N (LB/A)                  |         | 80         |         |            |     |
| P2O5 (LB/A)               |         | 33         |         |            |     |
| K2O (LB/A)                |         | 54         |         |            |     |
| MGO (LB/A)                |         | 1          |         |            |     |

## Agronomic

**VENANGO**

# SAMPLES:

**102****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 38      |            |         |
| K (ppm)             | 88      | K (% sat)  | 2.43    |
| Mg (ppm)            | 93      | Mg (% sat) | 8.5     |
| Ca (ppm)            | 1040    | Ca (% sat) | 58.6    |
| CEC (meq/100 g)     | 8.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2398    |
| N (LB/A)       | 85      |
| P2O5 (LB/A)    | 60      |
| K2O (LB/A)     | 100     |
| MGO (LB/A)     | 21      |

**WARREN**

# SAMPLES:

**122****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.4     |            |         |
| P (ppm)*            | 61      |            |         |
| K (ppm)             | 101     | K (% sat)  | 2.55    |
| Mg (ppm)            | 135     | Mg (% sat) | 11.2    |
| Ca (ppm)            | 1055    | Ca (% sat) | 52.9    |
| CEC (meq/100 g)     | 10.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2888    |
| N (LB/A)       | 75      |
| P2O5 (LB/A)    | 42      |
| K2O (LB/A)     | 106     |
| MGO (LB/A)     | 13      |

## Agronomic

**WASHINGTON**

# SAMPLES:

**265****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 30      |            |         |
| K (ppm)             | 98      | K (% sat)  | 2.42    |
| Mg (ppm)            | 159     | Mg (% sat) | 12.4    |
| Ca (ppm)            | 1304    | Ca (% sat) | 55.1    |
| CEC (meq/100 g)     | 10.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3140    |
| N (LB/A)       | 40      |
| P2O5 (LB/A)    | 82      |
| K2O (LB/A)     | 142     |
| MGO (LB/A)     | 14      |

**WAYNE**

# SAMPLES:

**138****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 120     |            |         |
| K (ppm)             | 85      | K (% sat)  | 2.58    |
| Mg (ppm)            | 116     | Mg (% sat) | 11.5    |
| Ca (ppm)            | 811     | Ca (% sat) | 47.1    |
| CEC (meq/100 g)     | 8.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2828    |
| N (LB/A)       | 108     |
| P2O5 (LB/A)    | 19      |
| K2O (LB/A)     | 136     |
| MGO (LB/A)     | 19      |

## Agronomic

**WESTMORELAND**

# SAMPLES:

**307****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 34      |            |         |
| K (ppm)             | 99      | K (% sat)  | 2.50    |
| Mg (ppm)            | 145     | Mg (% sat) | 11.6    |
| Ca (ppm)            | 1268    | Ca (% sat) | 55.5    |
| CEC (meq/100 g)     | 10.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3206    |
| N (LB/A)       | 74      |
| P2O5 (LB/A)    | 93      |
| K2O (LB/A)     | 128     |
| MGO (LB/A)     | 19      |

**WYOMING**

# SAMPLES:

**212****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.1     |            |         |
| P (ppm)*            | 98      |            |         |
| K (ppm)             | 81      | K (% sat)  | 2.68    |
| Mg (ppm)            | 150     | Mg (% sat) | 16.2    |
| Ca (ppm)            | 907     | Ca (% sat) | 55.2    |
| CEC (meq/100 g)     | 7.8     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1524    |
| N (LB/A)       | 90      |
| P2O5 (LB/A)    | 11      |
| K2O (LB/A)     | 121     |
| MGO (LB/A)     | 11      |

## Agronomic

YORK

# SAMPLES:

554

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 69      |            |         |
| K (ppm)             | 96      | K (% sat)  | 3.16    |
| Mg (ppm)            | 137     | Mg (% sat) | 14.6    |
| Ca (ppm)            | 947     | Ca (% sat) | 60.0    |
| CEC (meq/100 g)     | 7.8     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1078    |
| N (LB/A)       | 95      |
| P2O5 (LB/A)    | 33      |
| K2O (LB/A)     | 56      |
| MGO (LB/A)     | 2       |