

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1994-1995

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# SAMPLES: 25126

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**SOIL TEST RESULTS**

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| <b>RESULT</b>       | <b>AVERAGE</b> | <b>RESULT</b> | <b>AVERAGE</b> |
|---------------------|----------------|---------------|----------------|
| PH                  | 6.4            |               |                |
| ACIDITY (meq/100 g) | 2.2            |               |                |
| P (ppm)*            | 63             |               |                |
| K (ppm)             | 114            | K (% sat)     | 3.10           |
| Mg (ppm)            | 139            | Mg (% sat)    | 12.5           |
| Ca (ppm)            | 1218           | Ca (% sat)    | 61.3           |
| CEC (meq/100 g)     | 9.4            |               |                |

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**SOIL TEST RECOMMENDATIONS**

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| <b>RECOMMENDATION</b> | <b>AVERAGE</b> |
|-----------------------|----------------|
| LIME (LB/A)           | 1792           |
| N (LB/A)              | 74             |
| P2O5 (LB/A)           | 42             |
| K2O (LB/A)            | 91             |
| MGO (LB/A)            | 10             |

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*\*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: 163

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 60      |            |         |
| K (ppm)             | 92      | K (% sat)  | 2.63    |
| Mg (ppm)            | 154     | Mg (% sat) | 14.7    |
| Ca (ppm)            | 1140    | Ca (% sat) | 63.2    |
| CEC (meq/100 g)     | 8.7     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1521    |
| N (LB/A)                  | 37      |
| P2O5 (LB/A)               | 38      |
| K2O (LB/A)                | 100     |
| MGO (LB/A)                | 3       |

**ALLEGHENY**

# SAMPLES: 94

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 66      |            |         |
| K (ppm)             | 112     | K (% sat)  | 1.92    |
| Mg (ppm)            | 316     | Mg (% sat) | 14.4    |
| Ca (ppm)            | 4091    | Ca (% sat) | 56.1    |
| CEC (meq/100 g)     | 14.6    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2668    |
| N (LB/A)                  | 66      |
| P2O5 (LB/A)               | 94      |
| K2O (LB/A)                | 173     |
| MGO (LB/A)                | 47      |

## Agronomic

**ARMSTRONG**

# SAMPLES:

**120****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.0     |            |         |
| P (ppm)*            | 36      |            |         |
| K (ppm)             | 95      | K (% sat)  | 2.26    |
| Mg (ppm)            | 96      | Mg (% sat) | 7.7     |
| Ca (ppm)            | 1344    | Ca (% sat) | 59.3    |
| CEC (meq/100 g)     | 10.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2650    |
| N (LB/A)       | 66      |
| P2O5 (LB/A)    | 92      |
| K2O (LB/A)     | 129     |
| MGO (LB/A)     | 41      |

**BEAVER**

# SAMPLES:

**150****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.5     |            |         |
| P (ppm)*            | 38      |            |         |
| K (ppm)             | 99      | K (% sat)  | 2.47    |
| Mg (ppm)            | 108     | Mg (% sat) | 9.0     |
| Ca (ppm)            | 1173    | Ca (% sat) | 54.1    |
| CEC (meq/100 g)     | 9.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3150    |
| N (LB/A)       | 44      |
| P2O5 (LB/A)    | 90      |
| K2O (LB/A)     | 150     |
| MGO (LB/A)     | 38      |

## Agronomic

**BEDFORD**

# SAMPLES:

**817**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 56      |            |         |
| K (ppm)             | 120     | K (% sat)  | 3.47    |
| Mg (ppm)            | 133     | Mg (% sat) | 12.7    |
| Ca (ppm)            | 1236    | Ca (% sat) | 67.6    |
| CEC (meq/100 g)     | 8.8     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1156    |
| N (LB/A)       | 80      |
| P2O5 (LB/A)    | 48      |
| K2O (LB/A)     | 95      |
| MGO (LB/A)     | 5       |

**BERKS**

# SAMPLES:

**539**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 83      |            |         |
| K (ppm)             | 117     | K (% sat)  | 3.20    |
| Mg (ppm)            | 171     | Mg (% sat) | 15.4    |
| Ca (ppm)            | 1144    | Ca (% sat) | 60.0    |
| CEC (meq/100 g)     | 9.4     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1561    |
| N (LB/A)       | 60      |
| P2O5 (LB/A)    | 21      |
| K2O (LB/A)     | 66      |
| MGO (LB/A)     | 3       |

## Agronomic

**BLAIR**

| SOIL TEST RESULTS         |         | # SAMPLES: 624 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.6     |                |         |
| ACIDITY (meq/100 g)       | 1.3     |                |         |
| P (ppm)*                  | 59      |                |         |
| K (ppm)                   | 142     | K (% sat)      | 4.19    |
| Mg (ppm)                  | 158     | Mg (% sat)     | 15.4    |
| Ca (ppm)                  | 1146    | Ca (% sat)     | 65.3    |
| CEC (meq/100 g)           | 8.6     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 931            |         |
| N (LB/A)                  |         | 87             |         |
| P2O5 (LB/A)               |         | 37             |         |
| K2O (LB/A)                |         | 84             |         |
| MGO (LB/A)                |         | 3              |         |

**BRADFORD**

| SOIL TEST RESULTS         |         | # SAMPLES: 845 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.3     |                |         |
| ACIDITY (meq/100 g)       | 2.2     |                |         |
| P (ppm)*                  | 62      |                |         |
| K (ppm)                   | 96      | K (% sat)      | 2.66    |
| Mg (ppm)                  | 159     | Mg (% sat)     | 14.6    |
| Ca (ppm)                  | 1050    | Ca (% sat)     | 57.5    |
| CEC (meq/100 g)           | 9.0     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 1851           |         |
| N (LB/A)                  |         | 50             |         |
| P2O5 (LB/A)               |         | 32             |         |
| K2O (LB/A)                |         | 125            |         |
| 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

**BUCKS**# SAMPLES: **224**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 60      |            |         |
| K (ppm)             | 103     | K (% sat)  | 3.09    |
| Mg (ppm)            | 198     | Mg (% sat) | 19.5    |
| Ca (ppm)            | 885     | Ca (% sat) | 51.9    |
| CEC (meq/100 g)     | 8.6     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1694    |
| N (LB/A)                  | 69      |
| P2O5 (LB/A)               | 31      |
| K2O (LB/A)                | 66      |
| MGO (LB/A)                | 0       |

**BUTLER**# SAMPLES: **464**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 38      |            |         |
| K (ppm)             | 101     | K (% sat)  | 2.75    |
| Mg (ppm)            | 96      | Mg (% sat) | 8.7     |
| Ca (ppm)            | 1203    | Ca (% sat) | 60.3    |
| CEC (meq/100 g)     | 9.4     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2347    |
| N (LB/A)                  | 48      |
| P2O5 (LB/A)               | 60      |
| K2O (LB/A)                | 108     |
| MGO (LB/A)                | 29      |

## Agronomic

**CAMBRIA**

# SAMPLES:

**442**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.0     |            |         |
| P (ppm)*            | 50      |            |         |
| K (ppm)             | 135     | K (% sat)  | 2.89    |
| Mg (ppm)            | 144     | Mg (% sat) | 10.3    |
| Ca (ppm)            | 1420    | Ca (% sat) | 60.4    |
| CEC (meq/100 g)     | 11.6    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2782    |
| N (LB/A)       | 62      |
| P2O5 (LB/A)    | 54      |
| K2O (LB/A)     | 108     |
| MGO (LB/A)     | 12      |

**CAMERON**

# SAMPLES:

**26**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.5     |            |         |
| ACIDITY (meq/100 g) | 6.1     |            |         |
| P (ppm)*            | 28      |            |         |
| K (ppm)             | 68      | K (% sat)  | 1.66    |
| Mg (ppm)            | 43      | Mg (% sat) | 3.8     |
| Ca (ppm)            | 714     | Ca (% sat) | 35.6    |
| CEC (meq/100 g)     | 10.2    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 6377    |
| N (LB/A)       | 60      |
| P2O5 (LB/A)    | 90      |
| K2O (LB/A)     | 168     |
| MGO (LB/A)     | 94      |

## Agronomic

**CARBON**

# SAMPLES:

**58****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 82      |            |         |
| K (ppm)             | 84      | K (% sat)  | 2.54    |
| Mg (ppm)            | 121     | Mg (% sat) | 12.5    |
| Ca (ppm)            | 781     | Ca (% sat) | 47.3    |
| CEC (meq/100 g)     | 8.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4222    |
| N (LB/A)       | 30      |
| P2O5 (LB/A)    | 29      |
| K2O (LB/A)     | 141     |
| MGO (LB/A)     | 17      |

**CENTRE**

# SAMPLES:

**1296****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.5     |            |         |
| P (ppm)*            | 59      |            |         |
| K (ppm)             | 121     | K (% sat)  | 3.19    |
| Mg (ppm)            | 126     | Mg (% sat) | 9.9     |
| Ca (ppm)            | 1572    | Ca (% sat) | 71.2    |
| CEC (meq/100 g)     | 10.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1082    |
| N (LB/A)       | 62      |
| P2O5 (LB/A)    | 33      |
| K2O (LB/A)     | 85      |
| MGO (LB/A)     | 14      |



## Agronomic

**CHESTER**

# SAMPLES:

**634**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 68      |            |         |
| K (ppm)             | 135     | K (% sat)  | 3.82    |
| Mg (ppm)            | 180     | Mg (% sat) | 17.3    |
| Ca (ppm)            | 1058    | Ca (% sat) | 59.7    |
| CEC (meq/100 g)     | 8.6     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1129    |
| N (LB/A)       | 60      |
| P2O5 (LB/A)    | 30      |
| K2O (LB/A)     | 61      |
| MGO (LB/A)     | 3       |

**CLARION**

# SAMPLES:

**163**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.0     |            |         |
| P (ppm)*            | 30      |            |         |
| K (ppm)             | 89      | K (% sat)  | 2.32    |
| Mg (ppm)            | 100     | Mg (% sat) | 8.2     |
| Ca (ppm)            | 1196    | Ca (% sat) | 58.7    |
| CEC (meq/100 g)     | 9.9     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2848    |
| N (LB/A)       | 64      |
| P2O5 (LB/A)    | 93      |
| K2O (LB/A)     | 127     |
| MGO (LB/A)     | 31      |

## Agronomic

**CLEARFIELD**

# SAMPLES:

**489**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 51      |            |         |
| K (ppm)             | 102     | K (% sat)  | 2.23    |
| Mg (ppm)            | 122     | Mg (% sat) | 8.8     |
| Ca (ppm)            | 1495    | Ca (% sat) | 59.7    |
| CEC (meq/100 g)     | 11.1    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2752    |
| N (LB/A)       | 62      |
| P2O5 (LB/A)    | 87      |
| K2O (LB/A)     | 147     |
| MGO (LB/A)     | 23      |

**CLINTON**

# SAMPLES:

**178**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 51      |            |         |
| K (ppm)             | 116     | K (% sat)  | 3.49    |
| Mg (ppm)            | 111     | Mg (% sat) | 11.2    |
| Ca (ppm)            | 1123    | Ca (% sat) | 64.3    |
| CEC (meq/100 g)     | 8.6     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1596    |
| N (LB/A)       | 66      |
| P2O5 (LB/A)    | 45      |
| K2O (LB/A)     | 87      |
| MGO (LB/A)     | 5       |

## Agronomic

**COLUMBIA**

# SAMPLES:

**484****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.1     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 87      | K (% sat)  | 2.63    |
| Mg (ppm)            | 92      | Mg (% sat) | 9.4     |
| Ca (ppm)            | 1051    | Ca (% sat) | 61.4    |
| CEC (meq/100 g)     | 8.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1591    |
| N (LB/A)       | 81      |
| P2O5 (LB/A)    | 26      |
| K2O (LB/A)     | 66      |
| MGO (LB/A)     | 11      |

**CRAWFORD**

# SAMPLES:

**660****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.9     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 94      | K (% sat)  | 2.63    |
| Mg (ppm)            | 129     | Mg (% sat) | 11.8    |
| Ca (ppm)            | 996     | Ca (% sat) | 54.7    |
| CEC (meq/100 g)     | 9.1     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2453    |
| N (LB/A)       | 76      |
| P2O5 (LB/A)    | 45      |
| K2O (LB/A)     | 86      |
| MGO (LB/A)     | 7       |

## Agronomic

**CUMBERLAND**

# SAMPLES:

**766**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.6     |            |         |
| ACIDITY (meq/100 g) | 1.4     |            |         |
| P (ppm)*            | 68      |            |         |
| K (ppm)             | 142     | K (% sat)  | 3.79    |
| Mg (ppm)            | 152     | Mg (% sat) | 13.4    |
| Ca (ppm)            | 1319    | Ca (% sat) | 67.2    |
| CEC (meq/100 g)     | 9.5     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1162    |
| N (LB/A)       | 102     |
| P2O5 (LB/A)    | 35      |
| K2O (LB/A)     | 53      |
| MGO (LB/A)     | 4       |

**DAUPHIN**

# SAMPLES:

**626**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 68      |            |         |
| K (ppm)             | 96      | K (% sat)  | 2.64    |
| Mg (ppm)            | 137     | Mg (% sat) | 11.5    |
| Ca (ppm)            | 1586    | Ca (% sat) | 63.9    |
| CEC (meq/100 g)     | 9.9     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1597    |
| N (LB/A)       | 78      |
| P2O5 (LB/A)    | 47      |
| K2O (LB/A)     | 114     |
| MGO (LB/A)     | 24      |

## Agronomic

**DELAWARE**

# SAMPLES:

**10****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 29      |            |         |
| K (ppm)             | 76      | K (% sat)  | 2.41    |
| Mg (ppm)            | 167     | Mg (% sat) | 17.4    |
| Ca (ppm)            | 876     | Ca (% sat) | 54.5    |
| CEC (meq/100 g)     | 8.1     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1780    |
| N (LB/A)       | 114     |
| P2O5 (LB/A)    | 92      |
| K2O (LB/A)     | 90      |
| MGO (LB/A)     | 0       |

**ELK**

# SAMPLES:

**37****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.8     |            |         |
| ACIDITY (meq/100 g) | 4.8     |            |         |
| P (ppm)*            | 58      |            |         |
| K (ppm)             | 98      | K (% sat)  | 2.14    |
| Mg (ppm)            | 99      | Mg (% sat) | 7.2     |
| Ca (ppm)            | 1197    | Ca (% sat) | 50.5    |
| CEC (meq/100 g)     | 11.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4403    |
| N (LB/A)       | 25      |
| P2O5 (LB/A)    | 90      |
| K2O (LB/A)     | 150     |
| MGO (LB/A)     | 18      |

## Agronomic

**ERIE**

| SOIL TEST RESULTS   |         | # SAMPLES: 289 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.2     |                |         |
| ACIDITY (meq/100 g) | 3.3     |                |         |
| P (ppm)*            | 57      |                |         |
| K (ppm)             | 119     | K (% sat)      | 2.95    |
| Mg (ppm)            | 144     | Mg (% sat)     | 11.8    |
| Ca (ppm)            | 1130    | Ca (% sat)     | 52.7    |
| CEC (meq/100 g)     | 10.1    |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 3103    |
| N (LB/A)                  | 78      |
| P2O5 (LB/A)               | 51      |
| K2O (LB/A)                | 105     |
| MGO (LB/A)                | 10      |

**FAYETTE**

| SOIL TEST RESULTS   |         | # SAMPLES: 283 |         |
|---------------------|---------|----------------|---------|
| RESULT              | AVERAGE | RESULT         | AVERAGE |
| PH                  | 6.2     |                |         |
| ACIDITY (meq/100 g) | 2.7     |                |         |
| P (ppm)*            | 41      |                |         |
| K (ppm)             | 98      | K (% sat)      | 2.41    |
| Mg (ppm)            | 144     | Mg (% sat)     | 11.4    |
| Ca (ppm)            | 1388    | Ca (% sat)     | 60.5    |
| CEC (meq/100 g)     | 10.7    |                |         |

  

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2466    |
| N (LB/A)                  | 50      |
| P2O5 (LB/A)               | 70      |
| K2O (LB/A)                | 143     |
| MGO (LB/A)                | 26      |

## Agronomic

**FOREST**

# SAMPLES:

**14****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 29      |            |         |
| K (ppm)             | 62      | K (% sat)  | 1.86    |
| Mg (ppm)            | 52      | Mg (% sat) | 5.5     |
| Ca (ppm)            | 1026    | Ca (% sat) | 63.6    |
| CEC (meq/100 g)     | 8.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2500    |
| N (LB/A)       | 29      |
| P2O5 (LB/A)    | 76      |
| K2O (LB/A)     | 171     |
| MGO (LB/A)     | 54      |

**FRANKLIN**

# SAMPLES:

**1332****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.3     |            |         |
| P (ppm)*            | 59      |            |         |
| K (ppm)             | 133     | K (% sat)  | 3.45    |
| Mg (ppm)            | 150     | Mg (% sat) | 12.8    |
| Ca (ppm)            | 1436    | Ca (% sat) | 70.7    |
| CEC (meq/100 g)     | 9.9     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 889     |
| N (LB/A)       | 69      |
| P2O5 (LB/A)    | 35      |
| K2O (LB/A)     | 85      |
| MGO (LB/A)     | 2       |

## Agronomic

**FULTON**

# SAMPLES: 214

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 131     | K (% sat)  | 3.49    |
| Mg (ppm)            | 140     | Mg (% sat) | 13.0    |
| Ca (ppm)            | 1094    | Ca (% sat) | 58.7    |
| CEC (meq/100 g)     | 9.0     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1843    |
| N (LB/A)                  | 33      |
| P2O5 (LB/A)               | 56      |
| K2O (LB/A)                | 111     |
| MGO (LB/A)                | 8       |

**GREENE**

# SAMPLES: 226

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 4.2     |            |         |
| P (ppm)*            | 36      |            |         |
| K (ppm)             | 101     | K (% sat)  | 2.16    |
| Mg (ppm)            | 195     | Mg (% sat) | 12.2    |
| Ca (ppm)            | 2014    | Ca (% sat) | 50.7    |
| CEC (meq/100 g)     | 12.5    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 3750    |
| N (LB/A)                  | 21      |
| P2O5 (LB/A)               | 71      |
| K2O (LB/A)                | 177     |
| MGO (LB/A)                | 47      |



## Agronomic

**HUNTINGDON**

# SAMPLES:

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

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 49      |            |         |
| K (ppm)             | 111     | K (% sat)  | 3.18    |
| Mg (ppm)            | 119     | Mg (% sat) | 11.2    |
| Ca (ppm)            | 1233    | Ca (% sat) | 65.7    |
| CEC (meq/100 g)     | 9.0     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1500    |
| N (LB/A)       | 69      |
| P2O5 (LB/A)    | 54      |
| K2O (LB/A)     | 108     |
| MGO (LB/A)     | 11      |

**INDIANA**

# SAMPLES:

**486****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.7     |            |         |
| P (ppm)*            | 38      |            |         |
| K (ppm)             | 96      | K (% sat)  | 2.45    |
| Mg (ppm)            | 141     | Mg (% sat) | 12.1    |
| Ca (ppm)            | 1153    | Ca (% sat) | 58.4    |
| CEC (meq/100 g)     | 9.8     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2589    |
| N (LB/A)       | 77      |
| P2O5 (LB/A)    | 70      |
| K2O (LB/A)     | 106     |
| MGO (LB/A)     | 7       |

## Agronomic

**JEFFERSON**# SAMPLES: **162****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 30      |            |         |
| K (ppm)             | 97      | K (% sat)  | 2.37    |
| Mg (ppm)            | 108     | Mg (% sat) | 8.7     |
| Ca (ppm)            | 1204    | Ca (% sat) | 57.2    |
| CEC (meq/100 g)     | 10.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2760    |
| N (LB/A)       | 67      |
| P2O5 (LB/A)    | 84      |
| K2O (LB/A)     | 115     |
| MGO (LB/A)     | 27      |

**JUNIATA**# SAMPLES: **333****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 57      |            |         |
| K (ppm)             | 130     | K (% sat)  | 3.60    |
| Mg (ppm)            | 111     | Mg (% sat) | 10.2    |
| Ca (ppm)            | 1251    | Ca (% sat) | 66.4    |
| CEC (meq/100 g)     | 9.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1475    |
| N (LB/A)       | 59      |
| P2O5 (LB/A)    | 34      |
| K2O (LB/A)     | 57      |
| MGO (LB/A)     | 5       |

## Agronomic

**LACKAWANNA**

# SAMPLES:

**101****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 98      |            |         |
| K (ppm)             | 76      | K (% sat)  | 1.96    |
| Mg (ppm)            | 106     | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1891    | Ca (% sat) | 68.2    |
| CEC (meq/100 g)     | 10.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1227    |
| N (LB/A)       | 132     |
| P2O5 (LB/A)    | 18      |
| K2O (LB/A)     | 111     |
| MGO (LB/A)     | 10      |

**LANCASTER**

# SAMPLES:

**1496****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 1.2     |            |         |
| P (ppm)*            | 124     |            |         |
| K (ppm)             | 147     | K (% sat)  | 4.02    |
| Mg (ppm)            | 171     | Mg (% sat) | 15.8    |
| Ca (ppm)            | 1259    | Ca (% sat) | 65.9    |
| CEC (meq/100 g)     | 9.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 855     |
| N (LB/A)       | 118     |
| P2O5 (LB/A)    | 10      |
| K2O (LB/A)     | 51      |
| MGO (LB/A)     | 1       |

## Agronomic

**LAWRENCE**

# SAMPLES:

**192**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 50      |            |         |
| K (ppm)             | 103     | K (% sat)  | 2.85    |
| Mg (ppm)            | 94      | Mg (% sat) | 8.6     |
| Ca (ppm)            | 1237    | Ca (% sat) | 66.6    |
| CEC (meq/100 g)     | 9.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2009    |
| N (LB/A)       | 67      |
| P2O5 (LB/A)    | 45      |
| K2O (LB/A)     | 95      |
| MGO (LB/A)     | 20      |

**LEBANON**

# SAMPLES:

**323**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 70      |            |         |
| K (ppm)             | 137     | K (% sat)  | 3.79    |
| Mg (ppm)            | 147     | Mg (% sat) | 13.6    |
| Ca (ppm)            | 1212    | Ca (% sat) | 64.9    |
| CEC (meq/100 g)     | 9.1     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1013    |
| N (LB/A)       | 100     |
| P2O5 (LB/A)    | 30      |
| K2O (LB/A)     | 53      |
| MGO (LB/A)     | 3       |

## Agronomic

**LEHIGH**

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 142 |
|---------------------------|---------|------------|---------|------------|-----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |     |
| PH                        | 6.3     |            |         |            |     |
| ACIDITY (meq/100 g)       | 2.3     |            |         |            |     |
| P (ppm)*                  | 95      |            |         |            |     |
| K (ppm)                   | 148     | K (% sat)  | 4.08    |            |     |
| Mg (ppm)                  | 156     | Mg (% sat) | 14.8    |            |     |
| Ca (ppm)                  | 1017    | Ca (% sat) | 53.7    |            |     |
| CEC (meq/100 g)           | 9.0     |            |         |            |     |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |     |
| RECOMMENDATION            |         | AVERAGE    |         |            |     |
| LIME (LB/A)               |         | 2349       |         |            |     |
| N (LB/A)                  |         | 52         |         |            |     |
| P2O5 (LB/A)               |         | 15         |         |            |     |
| K2O (LB/A)                |         | 67         |         |            |     |
| MGO (LB/A)                |         | 6          |         |            |     |

**LUZERNE**

| SOIL TEST RESULTS         |         |            |         | # SAMPLES: | 77 |
|---------------------------|---------|------------|---------|------------|----|
| RESULT                    | AVERAGE | RESULT     | AVERAGE |            |    |
| PH                        | 5.6     |            |         |            |    |
| ACIDITY (meq/100 g)       | 4.4     |            |         |            |    |
| P (ppm)*                  | 71      |            |         |            |    |
| K (ppm)                   | 81      | K (% sat)  | 2.35    |            |    |
| Mg (ppm)                  | 73      | Mg (% sat) | 7.7     |            |    |
| Ca (ppm)                  | 672     | Ca (% sat) | 39.9    |            |    |
| CEC (meq/100 g)           | 8.4     |            |         |            |    |
| SOIL TEST RECOMMENDATIONS |         |            |         |            |    |
| RECOMMENDATION            |         | AVERAGE    |         |            |    |
| LIME (LB/A)               |         | 3932       |         |            |    |
| N (LB/A)                  |         | 88         |         |            |    |
| P2O5 (LB/A)               |         | 55         |         |            |    |
| K2O (LB/A)                |         | 121        |         |            |    |
| MGO (LB/A)                |         | 58         |         |            |    |

## Agronomic

**LYCOMING**

# SAMPLES:

**504****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 75      |            |         |
| K (ppm)             | 103     | K (% sat)  | 3.02    |
| Mg (ppm)            | 114     | Mg (% sat) | 10.9    |
| Ca (ppm)            | 1242    | Ca (% sat) | 59.8    |
| CEC (meq/100 g)     | 8.8     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1958    |
| N (LB/A)       | 72      |
| P2O5 (LB/A)    | 36      |
| K2O (LB/A)     | 81      |
| MGO (LB/A)     | 5       |

**MCKEAN**

# SAMPLES:

**74****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.8     |            |         |
| ACIDITY (meq/100 g) | 4.6     |            |         |
| P (ppm)*            | 37      |            |         |
| K (ppm)             | 106     | K (% sat)  | 2.36    |
| Mg (ppm)            | 120     | Mg (% sat) | 8.8     |
| Ca (ppm)            | 1118    | Ca (% sat) | 50.4    |
| CEC (meq/100 g)     | 11.4    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 4780    |
| N (LB/A)       | 8       |
| P2O5 (LB/A)    | 69      |
| K2O (LB/A)     | 173     |
| MGO (LB/A)     | 39      |

## Agronomic

**MERCER**

# SAMPLES: 702

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.3     |            |         |
| P (ppm)*            | 47      |            |         |
| K (ppm)             | 92      | K (% sat)  | 2.66    |
| Mg (ppm)            | 118     | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1023    | Ca (% sat) | 58.7    |
| CEC (meq/100 g)     | 8.6     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1998    |
| N (LB/A)                  | 79      |
| P2O5 (LB/A)               | 45      |
| K2O (LB/A)                | 95      |
| MGO (LB/A)                | 13      |

**MIFFLIN**

# SAMPLES: 103

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 77      |            |         |
| K (ppm)             | 152     | K (% sat)  | 4.38    |
| Mg (ppm)            | 137     | Mg (% sat) | 12.8    |
| Ca (ppm)            | 1131    | Ca (% sat) | 63.8    |
| CEC (meq/100 g)     | 8.8     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1285    |
| N (LB/A)                  | 68      |
| P2O5 (LB/A)               | 24      |
| K2O (LB/A)                | 70      |
| MGO (LB/A)                | 7       |

## Agronomic

**MONROE**

# SAMPLES:

**69**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.1     |            |         |
| P (ppm)*            | 72      |            |         |
| K (ppm)             | 91      | K (% sat)  | 2.44    |
| Mg (ppm)            | 109     | Mg (% sat) | 10.3    |
| Ca (ppm)            | 1070    | Ca (% sat) | 55.4    |
| CEC (meq/100 g)     | 9.5     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2854    |
| N (LB/A)       | 68      |
| P2O5 (LB/A)    | 36      |
| K2O (LB/A)     | 96      |
| MGO (LB/A)     | 29      |

**MONTGOMERY**

# SAMPLES:

**191**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 139     |            |         |
| K (ppm)             | 150     | K (% sat)  | 3.16    |
| Mg (ppm)            | 221     | Mg (% sat) | 17.5    |
| Ca (ppm)            | 1468    | Ca (% sat) | 59.0    |
| CEC (meq/100 g)     | 10.3    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1359    |
| N (LB/A)       | 90      |
| P2O5 (LB/A)    | 18      |
| K2O (LB/A)     | 66      |
| MGO (LB/A)     | 5       |



## Agronomic

**MONTOUR**

# SAMPLES:

**106****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.7     |            |         |
| P (ppm)*            | 65      |            |         |
| K (ppm)             | 103     | K (% sat)  | 2.94    |
| Mg (ppm)            | 103     | Mg (% sat) | 9.6     |
| Ca (ppm)            | 1450    | Ca (% sat) | 66.9    |
| CEC (meq/100 g)     | 9.4     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1232    |
| N (LB/A)       | 85      |
| P2O5 (LB/A)    | 47      |
| K2O (LB/A)     | 94      |
| MGO (LB/A)     | 7       |

**NORTHAMPTON**

# SAMPLES:

**163****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 60      |            |         |
| K (ppm)             | 107     | K (% sat)  | 2.99    |
| Mg (ppm)            | 118     | Mg (% sat) | 11.4    |
| Ca (ppm)            | 1242    | Ca (% sat) | 55.6    |
| CEC (meq/100 g)     | 9.2     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2281    |
| N (LB/A)       | 93      |
| P2O5 (LB/A)    | 28      |
| K2O (LB/A)     | 59      |
| MGO (LB/A)     | 9       |

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**825**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.8     |            |         |
| P (ppm)*            | 88      |            |         |
| K (ppm)             | 111     | K (% sat)  | 3.30    |
| Mg (ppm)            | 106     | Mg (% sat) | 10.6    |
| Ca (ppm)            | 1096    | Ca (% sat) | 65.2    |
| CEC (meq/100 g)     | 8.4     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1209    |
| N (LB/A)       | 87      |
| P2O5 (LB/A)    | 15      |
| K2O (LB/A)     | 46      |
| MGO (LB/A)     | 3       |

**PERRY**

# SAMPLES:

**559**

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.5     |            |         |
| ACIDITY (meq/100 g) | 1.6     |            |         |
| P (ppm)*            | 56      |            |         |
| K (ppm)             | 112     | K (% sat)  | 3.53    |
| Mg (ppm)            | 131     | Mg (% sat) | 13.5    |
| Ca (ppm)            | 1069    | Ca (% sat) | 62.9    |
| CEC (meq/100 g)     | 8.2     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1278    |
| N (LB/A)       | 72      |
| P2O5 (LB/A)    | 36      |
| K2O (LB/A)     | 84      |
| MGO (LB/A)     | 5       |

## Agronomic

**PHILADELPHIA**

# SAMPLES:

**29****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 7.3     |            |         |
| ACIDITY (meq/100 g) | 0.2     |            |         |
| P (ppm)*            | 161     |            |         |
| K (ppm)             | 109     | K (% sat)  | 3.67    |
| Mg (ppm)            | 168     | Mg (% sat) | 16.9    |
| Ca (ppm)            | 1325    | Ca (% sat) | 77.1    |
| CEC (meq/100 g)     | 8.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 0       |
| N (LB/A)       | 9       |
| P2O5 (LB/A)    | 11      |
| K2O (LB/A)     | 16      |
| MGO (LB/A)     | 0       |

**PIKE**

# SAMPLES:

**41****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.6     |            |         |
| ACIDITY (meq/100 g) | 5.1     |            |         |
| P (ppm)*            | 108     |            |         |
| K (ppm)             | 68      | K (% sat)  | 2.22    |
| Mg (ppm)            | 77      | Mg (% sat) | 8.1     |
| Ca (ppm)            | 552     | Ca (% sat) | 35.0    |
| CEC (meq/100 g)     | 8.6     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 5107    |
| N (LB/A)       | 96      |
| P2O5 (LB/A)    | 17      |
| K2O (LB/A)     | 97      |
| MGO (LB/A)     | 42      |

## Agronomic

**POTTER**

# SAMPLES: 235

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 4.1     |            |         |
| P (ppm)*            | 50      |            |         |
| K (ppm)             | 109     | K (% sat)  | 2.54    |
| Mg (ppm)            | 163     | Mg (% sat) | 12.7    |
| Ca (ppm)            | 1075    | Ca (% sat) | 49.6    |
| CEC (meq/100 g)     | 11.1    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 3875    |
| N (LB/A)                  | 74      |
| P2O5 (LB/A)               | 50      |
| K2O (LB/A)                | 129     |
| MGO (LB/A)                | 12      |

**SCHUYLKILL**

# SAMPLES: 340

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.2     |            |         |
| P (ppm)*            | 117     |            |         |
| K (ppm)             | 124     | K (% sat)  | 3.51    |
| Mg (ppm)            | 138     | Mg (% sat) | 13.2    |
| Ca (ppm)            | 1028    | Ca (% sat) | 57.7    |
| CEC (meq/100 g)     | 8.8     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2029    |
| N (LB/A)                  | 87      |
| P2O5 (LB/A)               | 15      |
| K2O (LB/A)                | 44      |
| MGO (LB/A)                | 3       |

## Agronomic

**SNYDER**# SAMPLES: **391**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.3     |            |         |
| ACIDITY (meq/100 g) | 2.1     |            |         |
| P (ppm)*            | 72      |            |         |
| K (ppm)             | 137     | K (% sat)  | 3.75    |
| Mg (ppm)            | 103     | Mg (% sat) | 9.2     |
| Ca (ppm)            | 1203    | Ca (% sat) | 63.6    |
| CEC (meq/100 g)     | 9.2     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 1590    |
| N (LB/A)                  | 71      |
| P2O5 (LB/A)               | 30      |
| K2O (LB/A)                | 50      |
| MGO (LB/A)                | 10      |

**SOMERSET**# SAMPLES: **484**

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 33      |            |         |
| K (ppm)             | 106     | K (% sat)  | 2.47    |
| Mg (ppm)            | 127     | Mg (% sat) | 9.6     |
| Ca (ppm)            | 1269    | Ca (% sat) | 57.5    |
| CEC (meq/100 g)     | 11.0    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 3158    |
| N (LB/A)                  | 39      |
| P2O5 (LB/A)               | 77      |
| K2O (LB/A)                | 139     |
| MGO (LB/A)                | 24      |

## Agronomic

**SULLIVAN**

# SAMPLES:

**30****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 3.1     |            |         |
| P (ppm)*            | 48      |            |         |
| K (ppm)             | 99      | K (% sat)  | 2.41    |
| Mg (ppm)            | 141     | Mg (% sat) | 11.1    |
| Ca (ppm)            | 1156    | Ca (% sat) | 55.8    |
| CEC (meq/100 g)     | 10.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2393    |
| N (LB/A)       | 58      |
| P2O5 (LB/A)    | 50      |
| K2O (LB/A)     | 105     |
| MGO (LB/A)     | 16      |

**SUSQUEHANNA**

# SAMPLES:

**345****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.9     |            |         |
| P (ppm)*            | 64      |            |         |
| K (ppm)             | 102     | K (% sat)  | 2.65    |
| Mg (ppm)            | 178     | Mg (% sat) | 15.8    |
| Ca (ppm)            | 974     | Ca (% sat) | 51.6    |
| CEC (meq/100 g)     | 9.5     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2284    |
| N (LB/A)       | 57      |
| P2O5 (LB/A)    | 40      |
| K2O (LB/A)     | 155     |
| MGO (LB/A)     | 15      |

## Agronomic

## TIOGA

| SOIL TEST RESULTS         |         | # SAMPLES: 493 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.2     |                |         |
| ACIDITY (meq/100 g)       | 2.8     |                |         |
| P (ppm)*                  | 48      |                |         |
| K (ppm)                   | 90      | K (% sat)      | 2.39    |
| Mg (ppm)                  | 139     | Mg (% sat)     | 12.2    |
| Ca (ppm)                  | 1088    | Ca (% sat)     | 56.1    |
| CEC (meq/100 g)           | 9.5     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 2403           |         |
| N (LB/A)                  |         | 72             |         |
| P2O5 (LB/A)               |         | 55             |         |
| K2O (LB/A)                |         | 145            |         |
| MGO (LB/A)                |         | 11             |         |

## UNION

| SOIL TEST RESULTS         |         | # SAMPLES: 636 |         |
|---------------------------|---------|----------------|---------|
| RESULT                    | AVERAGE | RESULT         | AVERAGE |
| PH                        | 6.5     |                |         |
| ACIDITY (meq/100 g)       | 1.7     |                |         |
| P (ppm)*                  | 54      |                |         |
| K (ppm)                   | 110     | K (% sat)      | 3.27    |
| Mg (ppm)                  | 121     | Mg (% sat)     | 11.9    |
| Ca (ppm)                  | 1110    | Ca (% sat)     | 64.2    |
| CEC (meq/100 g)           | 8.5     |                |         |
| SOIL TEST RECOMMENDATIONS |         | AVERAGE        |         |
| RECOMMENDATION            |         |                |         |
| LIME (LB/A)               |         | 1311           |         |
| N (LB/A)                  |         | 91             |         |
| P2O5 (LB/A)               |         | 41             |         |
| K2O (LB/A)                |         | 62             |         |
| MGO (LB/A)                |         | 1              |         |

\*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: 137

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.1     |            |         |
| ACIDITY (meq/100 g) | 3.2     |            |         |
| P (ppm)*            | 32      |            |         |
| K (ppm)             | 83      | K (% sat)  | 2.15    |
| Mg (ppm)            | 97      | Mg (% sat) | 8.5     |
| Ca (ppm)            | 1114    | Ca (% sat) | 56.2    |
| CEC (meq/100 g)     | 9.7     |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 2925    |
| N (LB/A)                  | 71      |
| P2O5 (LB/A)               | 82      |
| K2O (LB/A)                | 129     |
| MGO (LB/A)                | 22      |

**WARREN**

# SAMPLES: 108

| SOIL TEST RESULTS   |         |            |         |
|---------------------|---------|------------|---------|
| RESULT              | AVERAGE | RESULT     | AVERAGE |
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 4.2     |            |         |
| P (ppm)*            | 45      |            |         |
| K (ppm)             | 102     | K (% sat)  | 2.25    |
| Mg (ppm)            | 144     | Mg (% sat) | 10.7    |
| Ca (ppm)            | 1152    | Ca (% sat) | 49.9    |
| CEC (meq/100 g)     | 11.3    |            |         |

| SOIL TEST RECOMMENDATIONS |         |
|---------------------------|---------|
| RECOMMENDATION            | AVERAGE |
| LIME (LB/A)               | 4035    |
| N (LB/A)                  | 47      |
| P2O5 (LB/A)               | 89      |
| K2O (LB/A)                | 151     |
| MGO (LB/A)                | 13      |



## Agronomic

**WASHINGTON**

# SAMPLES: 419

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.0     |            |         |
| ACIDITY (meq/100 g) | 3.3     |            |         |
| P (ppm)*            | 35      |            |         |
| K (ppm)             | 105     | K (% sat)  | 2.48    |
| Mg (ppm)            | 160     | Mg (% sat) | 12.6    |
| Ca (ppm)            | 1203    | Ca (% sat) | 54.0    |
| CEC (meq/100 g)     | 10.7    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2998    |
| N (LB/A)       | 33      |
| P2O5 (LB/A)    | 75      |
| K2O (LB/A)     | 151     |
| MGO (LB/A)     | 24      |

**WAYNE**

# SAMPLES: 180

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 5.9     |            |         |
| ACIDITY (meq/100 g) | 4.3     |            |         |
| P (ppm)*            | 80      |            |         |
| K (ppm)             | 83      | K (% sat)  | 2.13    |
| Mg (ppm)            | 129     | Mg (% sat) | 10.8    |
| Ca (ppm)            | 905     | Ca (% sat) | 44.9    |
| CEC (meq/100 g)     | 10.0    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 3568    |
| N (LB/A)       | 54      |
| P2O5 (LB/A)    | 37      |
| K2O (LB/A)     | 168     |
| MGO (LB/A)     | 44      |

## Agronomic

**WESTMORELAND**

# SAMPLES:

**522****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.6     |            |         |
| P (ppm)*            | 37      |            |         |
| K (ppm)             | 109     | K (% sat)  | 2.62    |
| Mg (ppm)            | 164     | Mg (% sat) | 12.9    |
| Ca (ppm)            | 1292    | Ca (% sat) | 59.3    |
| CEC (meq/100 g)     | 10.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2222    |
| N (LB/A)       | 56      |
| P2O5 (LB/A)    | 65      |
| K2O (LB/A)     | 104     |
| MGO (LB/A)     | 12      |

**WYOMING**

# SAMPLES:

**231****SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.2     |            |         |
| ACIDITY (meq/100 g) | 2.5     |            |         |
| P (ppm)*            | 103     |            |         |
| K (ppm)             | 96      | K (% sat)  | 2.94    |
| Mg (ppm)            | 152     | Mg (% sat) | 15.2    |
| Ca (ppm)            | 865     | Ca (% sat) | 51.4    |
| CEC (meq/100 g)     | 8.3     |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 2147    |
| N (LB/A)       | 69      |
| P2O5 (LB/A)    | 9       |
| K2O (LB/A)     | 107     |
| MGO (LB/A)     | 7       |

## Agronomic

YORK

# SAMPLES: 1276

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.4     |            |         |
| ACIDITY (meq/100 g) | 1.9     |            |         |
| P (ppm)*            | 62      |            |         |
| K (ppm)             | 102     | K (% sat)  | 3.24    |
| Mg (ppm)            | 141     | Mg (% sat) | 14.8    |
| Ca (ppm)            | 933     | Ca (% sat) | 57.8    |
| CEC (meq/100 g)     | 7.9     |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 1355    |
| N (LB/A)       | 92      |
| P2O5 (LB/A)    | 38      |
| K2O (LB/A)     | 61      |
| MGO (LB/A)     | 2       |

INDIANA

# SAMPLES: 1

## SOIL TEST RESULTS

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| PH                  | 6.7     |            |         |
| ACIDITY (meq/100 g) | 2.0     |            |         |
| P (ppm)*            | 22      |            |         |
| K (ppm)             | 59      | K (% sat)  | 1.40    |
| Mg (ppm)            | 180     | Mg (% sat) | 14.3    |
| Ca (ppm)            | 1400    | Ca (% sat) | 65.4    |
| CEC (meq/100 g)     | 10.7    |            |         |

## SOIL TEST RECOMMENDATIONS

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (LB/A)    | 0       |
| N (LB/A)       | 30      |
| P2O5 (LB/A)    | 0       |
| K2O (LB/A)     | 60      |
| MGO (LB/A)     | 0       |