

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS**  
Small Fruits

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# of Samples                    594

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**SOIL TEST RESULTS**

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| <b>RESULT</b>       | <b>AVERAGE</b> | <b>RESULT</b> | <b>AVERAGE</b> |
|---------------------|----------------|---------------|----------------|
| pH                  | 6.2            |               |                |
| Acidity (meq/100 g) | 4.1            |               |                |
| P (ppm)             | 121            |               |                |
| K (ppm)             | 182            | K (% Sat)     | 3.2            |
| Mg (ppm)            | 195            | Mg (% Sat)    | 10.8           |
| Ca (ppm)            | 1,870          | Ca (% Sat)    | 56.6           |
| CEC                 | 14.7           |               |                |

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**SOIL TEST RECOMMENDATIONS**

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| <b>RECOMMENDATION</b> | <b>AVERAGE</b> |
|-----------------------|----------------|
| LIME (lb/A)           | 436            |
| N (lb/A)              |                |
| P2O5 (LB/A)           | 66             |
| K2O (LB/A)            | 103            |
| MGO (LB/a)            | 58             |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

**COUNTY: Adams** **# of Samples** 10

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 7.0     |            |         |
| Acidity (meq/100 g) | 0.8     |            |         |
| P (ppm)             | 128     |            |         |
| K (ppm)             | 181     | K (% Sat)  | 3.0     |
| Mg (ppm)            | 290     | Mg (% Sat) | 8.3     |
| Ca (ppm)            | 3,057   | Ca (% Sat) | 76.1    |
| CEC                 | 16.0    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 85      |
| K20 (LB/A)     | 93      |
| MGO (LB/a)     | 100     |

**COUNTY: Allegheny** **# of Samples** 17

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.3     |            |         |
| P (ppm)             | 131     |            |         |
| K (ppm)             | 225     | K (% Sat)  | 3.7     |
| Mg (ppm)            | 226     | Mg (% Sat) | 2.5     |
| Ca (ppm)            | 2,419   | Ca (% Sat) | 61.5    |
| CEC                 | 15.8    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 118     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 93      |
| K20 (LB/A)     | 96      |
| MGO (LB/a)     | 31      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

COUNTY: **Armstrong** # of Samples **6**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 2.7     |            |         |
| P (ppm)             | 168     |            |         |
| K (ppm)             | 217     | K (% Sat)  | 4.2     |
| Mg (ppm)            | 171     | Mg (% Sat) | 6.8     |
| Ca (ppm)            | 1,703   | Ca (% Sat) | 63.4    |
| CEC                 | 13.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1000    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 90      |
| K20 (LB/A)     | 130     |
| MGO (LB/a)     | 135     |

COUNTY: **Beaver** # of Samples **4**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 2.0     |            |         |
| P (ppm)             | 82      |            |         |
| K (ppm)             | 147     | K (% Sat)  | 2.7     |
| Mg (ppm)            | 171     | Mg (% Sat) | 5.4     |
| Ca (ppm)            | 2,209   | Ca (% Sat) | 67.6    |
| CEC                 | 13.7    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 750     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 90      |
| K20 (LB/A)     | 80      |
| MGO (LB/a)     | 47      |

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**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

COUNTY: **Bedford** # of Samples 1

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.9     |            |         |
| Acidity (meq/100 g) | 4.5     |            |         |
| P (ppm)             | 74      |            |         |
| K (ppm)             | 215     | K (% Sat)  | 3.6     |
| Mg (ppm)            | 183     | Mg (% Sat) | 10.0    |
| Ca (ppm)            | 1,746   | Ca (% Sat) | 57.0    |
| CEC                 | 15.3    |            |         |

**SOIL TEST RECOMMENDATIONS**

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

COUNTY: **Berks** # of Samples 14

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.4     |            |         |
| Acidity (meq/100 g) | 3.8     |            |         |
| P (ppm)             | 173     |            |         |
| K (ppm)             | 192     | K (% Sat)  | 2.8     |
| Mg (ppm)            | 241     | Mg (% Sat) | 2.3     |
| Ca (ppm)            | 2,362   | Ca (% Sat) | 62.1    |
| CEC                 | 17.1    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 93      |
| MGO (LB/a)     | 17      |

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**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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**COUNTY: Blair** **# of Samples** 10

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 3.2     |            |         |
| P (ppm)             | 243     |            |         |
| K (ppm)             | 325     | K (% Sat)  | 4.0     |
| Mg (ppm)            | 291     | Mg (% Sat) | 6.7     |
| Ca (ppm)            | 2,688   | Ca (% Sat) | 66.7    |
| CEC                 | 19.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 98      |
| MGO (LB/a)     | 38      |

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**COUNTY: Bradford** **# of Samples** 2

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.9     |            |         |
| Acidity (meq/100 g) | 5.1     |            |         |
| P (ppm)             | 66      |            |         |
| K (ppm)             | 203     | K (% Sat)  | 3.5     |
| Mg (ppm)            | 187     | Mg (% Sat) | 7.9     |
| Ca (ppm)            | 1,558   | Ca (% Sat) | 52.1    |
| CEC                 | 15.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 30      |
| K20 (LB/A)     |         |
| MGO (LB/a)     | 115     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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**COUNTY: Bucks** **# of Samples** 25

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.2     |            |         |
| Acidity (meq/100 g) | 3.4     |            |         |
| P (ppm)             | 95      |            |         |
| K (ppm)             | 110     | K (% Sat)  | 1.9     |
| Mg (ppm)            | 262     | Mg (% Sat) | 12.3    |
| Ca (ppm)            | 1,782   | Ca (% Sat) | 57.2    |
| CEC                 | 14.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 80      |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 84      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 20      |

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**COUNTY: Butler** **# of Samples** 13

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.5     |            |         |
| Acidity (meq/100 g) | 6.7     |            |         |
| P (ppm)             | 62      |            |         |
| K (ppm)             | 136     | K (% Sat)  | 2.7     |
| Mg (ppm)            | 85      | Mg (% Sat) | 4.4     |
| Ca (ppm)            | 948     | Ca (% Sat) | 37.3    |
| CEC                 | 12.4    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1154    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 72      |
| K20 (LB/A)     | 114     |
| MGO (LB/a)     | 108     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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**COUNTY: Cambria** **# of Samples** 6

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 7.6     |            |         |
| P (ppm)             | 76      |            |         |
| K (ppm)             | 93      | K (% Sat)  | 1.4     |
| Mg (ppm)            | 224     | Mg (% Sat) | 7.0     |
| Ca (ppm)            | 1,891   | Ca (% Sat) | 46.7    |
| CEC                 | 18.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 73      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 0       |

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**COUNTY: Centre** **# of Samples** 25

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.5     |            |         |
| P (ppm)             | 103     |            |         |
| K (ppm)             | 159     | K (% Sat)  | 2.9     |
| Mg (ppm)            | 142     | Mg (% Sat) | 4.3     |
| Ca (ppm)            | 2,042   | Ca (% Sat) | 63.4    |
| CEC                 | 14.7    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 240     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 66      |
| K20 (LB/A)     | 96      |
| MGO (LB/a)     | 60      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

COUNTY: **Chester** # of Samples **24**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT            | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH                  | 6.3     |                   |         |
| Acidity (meq/100 g) | 3.5     |                   |         |
| P (ppm)             | 110     |                   |         |
| K (ppm)             | 230     | <b>K (% Sat)</b>  | 3.8     |
| Mg (ppm)            | 253     | <b>Mg (% Sat)</b> | 6.5     |
| Ca (ppm)            | 1,951   | <b>Ca (% Sat)</b> | 59.8    |
| CEC                 | 14.8    |                   |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 67      |
| K20 (LB/A)     | 111     |
| MGO (LB/a)     | 39      |

COUNTY: **Clarion** # of Samples **7**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT            | AVERAGE |
|---------------------|---------|-------------------|---------|
| pH                  | 5.3     |                   |         |
| Acidity (meq/100 g) | 8.9     |                   |         |
| P (ppm)             | 80      |                   |         |
| K (ppm)             | 129     | <b>K (% Sat)</b>  | 2.2     |
| Mg (ppm)            | 125     | <b>Mg (% Sat)</b> | 4.5     |
| Ca (ppm)            | 1,282   | <b>Ca (% Sat)</b> | 39.5    |
| CEC                 | 16.4    |                   |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 55      |
| K20 (LB/A)     | 103     |
| MGO (LB/a)     | 127     |



**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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|                |                   |                     |    |
|----------------|-------------------|---------------------|----|
| <b>COUNTY:</b> | <b>Clearfield</b> | <b># of Samples</b> | 10 |
|----------------|-------------------|---------------------|----|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.6     |            |         |
| Acidity (meq/100 g) | 7.0     |            |         |
| P (ppm)             | 43      |            |         |
| K (ppm)             | 106     | K (% Sat)  | 2.4     |
| Mg (ppm)            | 116     | Mg (% Sat) | 1.8     |
| Ca (ppm)            | 955     | Ca (% Sat) | 40.4    |
| CEC                 | 12.6    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 200     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 78      |
| K20 (LB/A)     | 139     |
| MGO (LB/a)     | 128     |

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|                |                |                     |   |
|----------------|----------------|---------------------|---|
| <b>COUNTY:</b> | <b>Clinton</b> | <b># of Samples</b> | 4 |
|----------------|----------------|---------------------|---|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 4.6     |            |         |
| P (ppm)             | 402     |            |         |
| K (ppm)             | 233     | K (% Sat)  | 3.1     |
| Mg (ppm)            | 189     | Mg (% Sat) | 4.7     |
| Ca (ppm)            | 3,659   | Ca (% Sat) | 68.2    |
| CEC                 | 18.6    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 3750    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 30      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 210     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

**COUNTY: Columbia** **# of Samples** 1

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 7.2     |            |         |
| Acidity (meq/100 g) | 0.0     |            |         |
| P (ppm)             | 154     |            |         |
| K (ppm)             | 45      | K (% Sat)  | 1.1     |
| Mg (ppm)            | 172     | Mg (% Sat) | 14.2    |
| Ca (ppm)            | 1,708   | Ca (% Sat) | 84.7    |
| CEC                 | 10.1    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 160     |
| MGO (LB/a)     | 0       |

**COUNTY: Crawford** **# of Samples** 11

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 4.4     |            |         |
| P (ppm)             | 87      |            |         |
| K (ppm)             | 191     | K (% Sat)  | 3.5     |
| Mg (ppm)            | 137     | Mg (% Sat) | 6.0     |
| Ca (ppm)            | 1,726   | Ca (% Sat) | 56.9    |
| CEC                 | 14.4    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 273     |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 83      |
| MGO (LB/a)     | 90      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Cumberland** # of Samples 17

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 4.5     |            |         |
| P (ppm)             | 103     |            |         |
| K (ppm)             | 166     | K (% Sat)  | 3.0     |
| Mg (ppm)            | 178     | Mg (% Sat) | 8.0     |
| Ca (ppm)            | 1,668   | Ca (% Sat) | 54.6    |
| CEC                 | 14.2    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 529     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 58      |
| K20 (LB/A)     | 114     |
| MGO (LB/a)     | 24      |

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COUNTY: **Dauphin** # of Samples 17

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.0     |            |         |
| P (ppm)             | 110     |            |         |
| K (ppm)             | 164     | K (% Sat)  | 3.4     |
| Mg (ppm)            | 165     | Mg (% Sat) | 4.7     |
| Ca (ppm)            | 1,831   | Ca (% Sat) | 60.7    |
| CEC                 | 13.1    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 118     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 111     |
| MGO (LB/a)     | 62      |

**SUMMARY REPORT**  
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 Small Fruits

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COUNTY: **Delaware** # of Samples **27**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.6     |            |         |
| Acidity (meq/100 g) | 2.1     |            |         |
| P (ppm)             | 103     |            |         |
| K (ppm)             | 189     | K (% Sat)  | 4.1     |
| Mg (ppm)            | 244     | Mg (% Sat) | 2.9     |
| Ca (ppm)            | 1,798   | Ca (% Sat) | 62.0    |
| CEC                 | 12.3    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 222     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 53      |
| K20 (LB/A)     | 113     |
| MGO (LB/a)     | 13      |

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COUNTY: **Eik** # of Samples **10**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 4.0     |            |         |
| P (ppm)             | 74      |            |         |
| K (ppm)             | 154     | K (% Sat)  | 2.8     |
| Mg (ppm)            | 244     | Mg (% Sat) | 5.5     |
| Ca (ppm)            | 1,821   | Ca (% Sat) | 56.3    |
| CEC                 | 15.2    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 800     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 40      |
| K20 (LB/A)     | 82      |
| MGO (LB/a)     | 12      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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**COUNTY: Erie** **# of Samples** 25

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.9     |            |         |
| Acidity (meq/100 g) | 4.9     |            |         |
| P (ppm)             | 143     |            |         |
| K (ppm)             | 211     | K (% Sat)  | 4.2     |
| Mg (ppm)            | 186     | Mg (% Sat) | 7.3     |
| Ca (ppm)            | 1,556   | Ca (% Sat) | 46.5    |
| CEC                 | 14.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 600     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 47      |
| K20 (LB/A)     | 79      |
| MGO (LB/a)     | 18      |

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**COUNTY: Fayette** **# of Samples** 16

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.0     |            |         |
| Acidity (meq/100 g) | 4.1     |            |         |
| P (ppm)             | 30      |            |         |
| K (ppm)             | 116     | K (% Sat)  | 2.5     |
| Mg (ppm)            | 85      | Mg (% Sat) | 5.8     |
| Ca (ppm)            | 1,470   | Ca (% Sat) | 59.3    |
| CEC                 | 12.5    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1250    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 78      |
| K20 (LB/A)     | 101     |
| MGO (LB/a)     | 16      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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**COUNTY: Forest** **# of Samples** 5

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 4.9     |            |         |
| P (ppm)             | 128     |            |         |
| K (ppm)             | 211     | K (% Sat)  | 3.6     |
| Mg (ppm)            | 209     | Mg (% Sat) | 7.3     |
| Ca (ppm)            | 1,610   | Ca (% Sat) | 44.1    |
| CEC                 | 14.8    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 90      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 143     |

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**COUNTY: Franklin** **# of Samples** 6

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.2     |            |         |
| Acidity (meq/100 g) | 4.4     |            |         |
| P (ppm)             | 122     |            |         |
| K (ppm)             | 415     | K (% Sat)  | 5.7     |
| Mg (ppm)            | 266     | Mg (% Sat) | 8.4     |
| Ca (ppm)            | 2,533   | Ca (% Sat) | 57.1    |
| CEC                 | 18.1    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 80      |
| MGO (LB/a)     | 78      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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COUNTY: **Greene** # of Samples **1**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.4     |            |         |
| Acidity (meq/100 g) | 2.2     |            |         |
| P (ppm)             | 85      |            |         |
| K (ppm)             | 264     | K (% Sat)  | 6.2     |
| Mg (ppm)            | 95      | Mg (% Sat) | 7.2     |
| Ca (ppm)            | 1,463   | Ca (% Sat) | 66.6    |
| CEC                 | 11.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     |         |
| MGO (LB/a)     | 340     |

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COUNTY: **Huntingdon** # of Samples **3**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 1.9     |            |         |
| P (ppm)             | 234     |            |         |
| K (ppm)             | 125     | K (% Sat)  | 2.5     |
| Mg (ppm)            | 153     | Mg (% Sat) | 10.9    |
| Ca (ppm)            | 1,850   | Ca (% Sat) | 73.0    |
| CEC                 | 12.7    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 115     |
| MGO (LB/a)     | 63      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Indiana** # of Samples **6**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.2     |            |         |
| Acidity (meq/100 g) | 4.2     |            |         |
| P (ppm)             | 52      |            |         |
| K (ppm)             | 149     | K (% Sat)  | 2.6     |
| Mg (ppm)            | 217     | Mg (% Sat) | 6.6     |
| Ca (ppm)            | 1,929   | Ca (% Sat) | 54.3    |
| CEC                 | 15.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 88      |
| K20 (LB/A)     | 118     |
| MGO (LB/a)     | 75      |

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COUNTY: **Jefferson** # of Samples **5**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.4     |            |         |
| Acidity (meq/100 g) | 2.6     |            |         |
| P (ppm)             | 24      |            |         |
| K (ppm)             | 95      | K (% Sat)  | 2.3     |
| Mg (ppm)            | 120     | Mg (% Sat) | 11.9    |
| Ca (ppm)            | 1,446   | Ca (% Sat) | 65.9    |
| CEC                 | 11.1    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 66      |
| K20 (LB/A)     | 135     |
| MGO (LB/a)     | 22      |



**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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**COUNTY: Juniata** **# of Samples** 3

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.9     |            |         |
| Acidity (meq/100 g) | 2.2     |            |         |
| P (ppm)             | 69      |            |         |
| K (ppm)             | 176     | K (% Sat)  | 3.1     |
| Mg (ppm)            | 112     | Mg (% Sat) | 7.2     |
| Ca (ppm)            | 2,165   | Ca (% Sat) | 74.5    |
| CEC                 | 14.2    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 100     |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 123     |

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**COUNTY: LACKAWANNA** **# of Samples** 21

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.0     |            |         |
| Acidity (meq/100 g) | 5.0     |            |         |
| P (ppm)             | 188     |            |         |
| K (ppm)             | 151     | K (% Sat)  | 3.1     |
| Mg (ppm)            | 138     | Mg (% Sat) | 5.6     |
| Ca (ppm)            | 1,407   | Ca (% Sat) | 50.4    |
| CEC                 | 12.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1286    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 96      |
| MGO (LB/a)     | 54      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Lancaster** # of Samples 18

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.2     |            |         |
| P (ppm)             | 133     |            |         |
| K (ppm)             | 245     | K (% Sat)  | 4.7     |
| Mg (ppm)            | 202     | Mg (% Sat) | 8.8     |
| Ca (ppm)            | 1,992   | Ca (% Sat) | 60.4    |
| CEC                 | 14.4    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 333     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 40      |
| K20 (LB/A)     | 101     |
| MGO (LB/a)     | 85      |

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COUNTY: **Lawrence** # of Samples 8

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.2     |            |         |
| Acidity (meq/100 g) | 6.4     |            |         |
| P (ppm)             | 57      |            |         |
| K (ppm)             | 88      | K (% Sat)  | 1.9     |
| Mg (ppm)            | 93      | Mg (% Sat) | 9.7     |
| Ca (ppm)            | 1,141   | Ca (% Sat) | 36.1    |
| CEC                 | 13.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 625     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 66      |
| K20 (LB/A)     | 118     |
| MGO (LB/a)     | 34      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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**COUNTY: Lebanon** **# of Samples** 5

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.6     |            |         |
| Acidity (meq/100 g) | 1.9     |            |         |
| P (ppm)             | 82      |            |         |
| K (ppm)             | 169     | K (% Sat)  | 2.9     |
| Mg (ppm)            | 131     | Mg (% Sat) | 6.3     |
| Ca (ppm)            | 1,844   | Ca (% Sat) | 69.0    |
| CEC                 | 12.7    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 60      |
| K20 (LB/A)     | 153     |
| MGO (LB/a)     | 26      |

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**COUNTY: Lehigh** **# of Samples** 24

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.3     |            |         |
| P (ppm)             | 137     |            |         |
| K (ppm)             | 191     | K (% Sat)  | 3.3     |
| Mg (ppm)            | 244     | Mg (% Sat) | 5.5     |
| Ca (ppm)            | 2,265   | Ca (% Sat) | 60.3    |
| CEC                 | 15.2    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 708     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 53      |
| K20 (LB/A)     | 105     |
| MGO (LB/a)     | 65      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Luzerne** # of Samples 8

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.5     |            |         |
| Acidity (meq/100 g) | 8.8     |            |         |
| P (ppm)             | 177     |            |         |
| K (ppm)             | 128     | K (% Sat)  | 2.3     |
| Mg (ppm)            | 89      | Mg (% Sat) | 5.7     |
| Ca (ppm)            | 1,205   | Ca (% Sat) | 40.0    |
| CEC                 | 14.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 625     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 85      |
| K20 (LB/A)     | 118     |
| MGO (LB/a)     | 65      |

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COUNTY: **Lycoming** # of Samples 12

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.2     |            |         |
| Acidity (meq/100 g) | 3.6     |            |         |
| P (ppm)             | 197     |            |         |
| K (ppm)             | 173     | K (% Sat)  | 3.8     |
| Mg (ppm)            | 161     | Mg (% Sat) | 4.0     |
| Ca (ppm)            | 1,782   | Ca (% Sat) | 53.3    |
| CEC                 | 13.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1333    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 81      |
| MGO (LB/a)     | 84      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

**COUNTY: McKean** **# of Samples** 8

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.5     |            |         |
| Acidity (meq/100 g) | 6.8     |            |         |
| P (ppm)             | 210     |            |         |
| K (ppm)             | 189     | K (% Sat)  | 2.4     |
| Mg (ppm)            | 256     | Mg (% Sat) | 1.6     |
| Ca (ppm)            | 2,518   | Ca (% Sat) | 51.6    |
| CEC                 | 19.8    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 43      |
| K20 (LB/A)     | 86      |
| MGO (LB/a)     | 92      |

**COUNTY: Mercer** **# of Samples** 5

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.4     |            |         |
| Acidity (meq/100 g) | 9.3     |            |         |
| P (ppm)             | 143     |            |         |
| K (ppm)             | 191     | K (% Sat)  | 2.8     |
| Mg (ppm)            | 136     | Mg (% Sat) | 3.8     |
| Ca (ppm)            | 1,550   | Ca (% Sat) | 47.3    |
| CEC                 | 17.5    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 71      |
| MGO (LB/a)     | 38      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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**COUNTY: Mifflin** **# of Samples** 5

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.2     |            |         |
| Acidity (meq/100 g) | 3.9     |            |         |
| P (ppm)             | 169     |            |         |
| K (ppm)             | 282     | K (% Sat)  | 4.1     |
| Mg (ppm)            | 241     | Mg (% Sat) | 6.8     |
| Ca (ppm)            | 2,516   | Ca (% Sat) | 64.6    |
| CEC                 | 17.8    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     |         |
| MGO (LB/a)     | 118     |

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**COUNTY: Monroe** **# of Samples** 2

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 4.0     |            |         |
| P (ppm)             | 95      |            |         |
| K (ppm)             | 82      | K (% Sat)  | 1.9     |
| Mg (ppm)            | 93      | Mg (% Sat) | 7.0     |
| Ca (ppm)            | 1,290   | Ca (% Sat) | 55.3    |
| CEC                 | 11.4    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1000    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 115     |
| MGO (LB/a)     | 25      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Montgomery** # of Samples 14

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.6     |            |         |
| Acidity (meq/100 g) | 2.6     |            |         |
| P (ppm)             | 172     |            |         |
| K (ppm)             | 412     | K (% Sat)  | 4.8     |
| Mg (ppm)            | 367     | Mg (% Sat) | 7.8     |
| Ca (ppm)            | 2,527   | Ca (% Sat) | 62.2    |
| CEC                 | 18.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 109     |
| MGO (LB/a)     | 62      |

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COUNTY: **Montour** # of Samples 1

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.7     |            |         |
| Acidity (meq/100 g) | 2.2     |            |         |
| P (ppm)             | 98      |            |         |
| K (ppm)             | 313     | K (% Sat)  | 6.4     |
| Mg (ppm)            | 108     | Mg (% Sat) | 7.2     |
| Ca (ppm)            | 1,714   | Ca (% Sat) | 68.7    |
| CEC                 | 12.5    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     |         |
| MGO (LB/a)     | 300     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Northampton** # of Samples 16

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.9     |            |         |
| P (ppm)             | 141     |            |         |
| K (ppm)             | 153     | K (% Sat)  | 3.0     |
| Mg (ppm)            | 204     | Mg (% Sat) | 4.2     |
| Ca (ppm)            | 1,741   | Ca (% Sat) | 57.4    |
| CEC                 | 14.4    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 469     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 98      |
| MGO (LB/a)     | 18      |

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COUNTY: **Northumberland** # of Samples 1

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 4.7     |            |         |
| Acidity (meq/100 g) | 10.5    |            |         |
| P (ppm)             | 43      |            |         |
| K (ppm)             | 79      | K (% Sat)  | 1.3     |
| Mg (ppm)            | 74      | Mg (% Sat) | 4.0     |
| Ca (ppm)            | 823     | Ca (% Sat) | 26.6    |
| CEC                 | 15.4    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 30      |
| K20 (LB/A)     | 120     |
| MGO (LB/a)     | 100     |



**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
Small Fruits

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|                |              |                     |    |
|----------------|--------------|---------------------|----|
| <b>COUNTY:</b> | <b>Perry</b> | <b># of Samples</b> | 11 |
|----------------|--------------|---------------------|----|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 3.7     |            |         |
| P (ppm)             | 109     |            |         |
| K (ppm)             | 197     | K (% Sat)  | 3.2     |
| Mg (ppm)            | 171     | Mg (% Sat) | 4.6     |
| Ca (ppm)            | 1,862   | Ca (% Sat) | 61.7    |
| CEC                 | 14.8    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 88      |
| MGO (LB/a)     | 13      |

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|                |                     |                     |   |
|----------------|---------------------|---------------------|---|
| <b>COUNTY:</b> | <b>Philadelphia</b> | <b># of Samples</b> | 4 |
|----------------|---------------------|---------------------|---|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.5     |            |         |
| Acidity (meq/100 g) | 3.4     |            |         |
| P (ppm)             | 185     |            |         |
| K (ppm)             | 217     | K (% Sat)  | 3.0     |
| Mg (ppm)            | 357     | Mg (% Sat) | 8.8     |
| Ca (ppm)            | 2,986   | Ca (% Sat) | 62.8    |
| CEC                 | 18.9    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 20      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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|                |             |                     |   |
|----------------|-------------|---------------------|---|
| <b>COUNTY:</b> | <b>Pike</b> | <b># of Samples</b> | 1 |
|----------------|-------------|---------------------|---|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.4     |            |         |
| Acidity (meq/100 g) | 6.3     |            |         |
| P (ppm)             | 24      |            |         |
| K (ppm)             | 106     | K (% Sat)  | 2.9     |
| Mg (ppm)            | 51      | Mg (% Sat) | 4.5     |
| Ca (ppm)            | 474     | Ca (% Sat) | 25.3    |
| CEC                 | 9.4     |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 3000    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 20      |

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|                |               |                     |   |
|----------------|---------------|---------------------|---|
| <b>COUNTY:</b> | <b>Potter</b> | <b># of Samples</b> | 3 |
|----------------|---------------|---------------------|---|

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.1     |            |         |
| Acidity (meq/100 g) | 4.6     |            |         |
| P (ppm)             | 50      |            |         |
| K (ppm)             | 135     | K (% Sat)  | 2.9     |
| Mg (ppm)            | 142     | Mg (% Sat) | 6.0     |
| Ca (ppm)            | 1,334   | Ca (% Sat) | 53.3    |
| CEC                 | 12.8    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 110     |
| MGO (LB/a)     | 10      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Schuylkill** # of Samples 15

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.4     |            |         |
| P (ppm)             | 170     |            |         |
| K (ppm)             | 132     | K (% Sat)  | 2.6     |
| Mg (ppm)            | 150     | Mg (% Sat) | 3.4     |
| Ca (ppm)            | 1,769   | Ca (% Sat) | 62.3    |
| CEC                 | 13.3    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 667     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 106     |
| MGO (LB/a)     | 45      |

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COUNTY: **Snyder** # of Samples 2

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.8     |            |         |
| Acidity (meq/100 g) | 4.3     |            |         |
| P (ppm)             | 79      |            |         |
| K (ppm)             | 239     | K (% Sat)  | 5.9     |
| Mg (ppm)            | 106     | Mg (% Sat) | 8.1     |
| Ca (ppm)            | 830     | Ca (% Sat) | 41.1    |
| CEC                 | 9.9     |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 30      |
| K20 (LB/A)     | 120     |
| MGO (LB/a)     | 175     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Somerset** # of Samples **2**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.6     |            |         |
| Acidity (meq/100 g) | 2.1     |            |         |
| P (ppm)             | 91      |            |         |
| K (ppm)             | 174     | K (% Sat)  | 2.7     |
| Mg (ppm)            | 278     | Mg (% Sat) | 12.5    |
| Ca (ppm)            | 3,100   | Ca (% Sat) | 70.2    |
| CEC                 | 16.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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

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COUNTY: **Sullivan** # of Samples **1**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.8     |            |         |
| Acidity (meq/100 g) | 3.9     |            |         |
| P (ppm)             | 68      |            |         |
| K (ppm)             | 64      | K (% Sat)  | 1.5     |
| Mg (ppm)            | 54      | Mg (% Sat) | 4.2     |
| Ca (ppm)            | 1,257   | Ca (% Sat) | 58.2    |
| CEC                 | 10.8    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 140     |
| MGO (LB/a)     | 140     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Susquehanna** # of Samples **9**

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.7     |            |         |
| Acidity (meq/100 g) | 7.1     |            |         |
| P (ppm)             | 113     |            |         |
| K (ppm)             | 149     | K (% Sat)  | 2.4     |
| Mg (ppm)            | 166     | Mg (% Sat) | 4.0     |
| Ca (ppm)            | 1,582   | Ca (% Sat) | 40.5    |
| CEC                 | 15.7    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 108     |
| MGO (LB/a)     | 59      |

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COUNTY: **Tioga** # of Samples **4**

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 4.8     |            |         |
| Acidity (meq/100 g) | 12.0    |            |         |
| P (ppm)             | 109     |            |         |
| K (ppm)             | 129     | K (% Sat)  | 2.1     |
| Mg (ppm)            | 103     | Mg (% Sat) | 10.3    |
| Ca (ppm)            | 726     | Ca (% Sat) | 24.0    |
| CEC                 | 16.0    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1000    |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     | 98      |
| MGO (LB/a)     | 78      |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

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**COUNTY: Union** **# of Samples** 4

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 7.2     |            |         |
| Acidity (meq/100 g) | 0.5     |            |         |
| P (ppm)             | 156     |            |         |
| K (ppm)             | 182     | K (% Sat)  | 2.6     |
| Mg (ppm)            | 366     | Mg (% Sat) | 6.4     |
| Ca (ppm)            | 2,918   | Ca (% Sat) | 80.3    |
| CEC                 | 18.2    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 75      |
| MGO (LB/a)     | 123     |

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**COUNTY: Venango** **# of Samples** 6

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**SOIL TEST RESULTS**

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| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 5.6     |            |         |
| Acidity (meq/100 g) | 7.1     |            |         |
| P (ppm)             | 49      |            |         |
| K (ppm)             | 176     | K (% Sat)  | 2.9     |
| Mg (ppm)            | 128     | Mg (% Sat) | 3.9     |
| Ca (ppm)            | 1,154   | Ca (% Sat) | 33.6    |
| CEC                 | 13.9    |            |         |

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**SOIL TEST RECOMMENDATIONS**

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| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 90      |
| K20 (LB/A)     | 128     |
| MGO (LB/a)     | 134     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Warren** # of Samples **1**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 4.3     |            |         |
| Acidity (meq/100 g) | 18.9    |            |         |
| P (ppm)             | 126     |            |         |
| K (ppm)             | 202     | K (% Sat)  | 2.6     |
| Mg (ppm)            | 89      | Mg (% Sat) | 3.8     |
| Ca (ppm)            | 677     | Ca (% Sat) | 17.2    |
| CEC                 | 19.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    |         |
| K20 (LB/A)     |         |
| MGO (LB/a)     | 330     |

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COUNTY: **Washington** # of Samples **15**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.0     |            |         |
| Acidity (meq/100 g) | 4.7     |            |         |
| P (ppm)             | 77      |            |         |
| K (ppm)             | 187     | K (% Sat)  | 3.2     |
| Mg (ppm)            | 203     | Mg (% Sat) | 6.4     |
| Ca (ppm)            | 1,728   | Ca (% Sat) | 52.1    |
| CEC                 | 14.9    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 1700    |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 70      |
| K20 (LB/A)     | 79      |
| MGO (LB/a)     | 117     |

**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
**Small Fruits**

COUNTY: **Wayne** # of Samples **7**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.0     |            |         |
| Acidity (meq/100 g) | 6.1     |            |         |
| P (ppm)             | 172     |            |         |
| K (ppm)             | 129     | K (% Sat)  | 2.3     |
| Mg (ppm)            | 152     | Mg (% Sat) | 2.2     |
| Ca (ppm)            | 1,619   | Ca (% Sat) | 48.9    |
| CEC                 | 15.5    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 113     |
| MGO (LB/a)     | 67      |

COUNTY: **Westmoreland** # of Samples **7**

**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.8     |            |         |
| Acidity (meq/100 g) | 1.7     |            |         |
| P (ppm)             | 101     |            |         |
| K (ppm)             | 208     | K (% Sat)  | 3.4     |
| Mg (ppm)            | 234     | Mg (% Sat) | 4.9     |
| Ca (ppm)            | 2,611   | Ca (% Sat) | 74.1    |
| CEC                 | 16.2    |            |         |

**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 50      |
| K20 (LB/A)     | 93      |
| MGO (LB/a)     | 62      |



**SUMMARY REPORT**  
**SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY**  
 Small Fruits

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COUNTY: **Wyoming** # of Samples **2**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.7     |            |         |
| Acidity (meq/100 g) | 2.0     |            |         |
| P (ppm)             | 58      |            |         |
| K (ppm)             | 89      | K (% Sat)  | 4.2     |
| Mg (ppm)            | 77      | Mg (% Sat) | 8.7     |
| Ca (ppm)            | 537     | Ca (% Sat) | 53.8    |
| CEC                 | 5.5     |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 0       |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 30      |
| K20 (LB/A)     | 115     |
| MGO (LB/a)     | 105     |

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COUNTY: **York** # of Samples **21**

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**SOIL TEST RESULTS**

| RESULT              | AVERAGE | RESULT     | AVERAGE |
|---------------------|---------|------------|---------|
| pH                  | 6.3     |            |         |
| Acidity (meq/100 g) | 3.2     |            |         |
| P (ppm)             | 110     |            |         |
| K (ppm)             | 178     | K (% Sat)  | 3.1     |
| Mg (ppm)            | 229     | Mg (% Sat) | 2.6     |
| Ca (ppm)            | 2,272   | Ca (% Sat) | 63.1    |
| CEC                 | 15.6    |            |         |

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**SOIL TEST RECOMMENDATIONS**

| RECOMMENDATION | AVERAGE |
|----------------|---------|
| LIME (lb/A)    | 810     |
| N (lb/A)       |         |
| P2O5 (LB/A)    | 65      |
| K20 (LB/A)     | 78      |
| MGO (LB/a)     | 29      |