

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

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**# of Samples**                      503

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**SOIL TEST RESULTS**

<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>
pH	6.0		
Acidity (meq/100 g)	5.2		
P (ppm)	119		
K (ppm)	164	K (% Sat)	3.1
Mg (ppm)	170	Mg (% Sat)	10.0
Ca (ppm)	1,548	Ca (% Sat)	49.5
CEC	14.0		

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**SOIL TEST RECOMMENDATIONS**

<b>RECOMMENDATION</b>	<b>AVERAGE</b>
LIME (lb/A)	579
N (lb/A)	
P2O5 (LB/A)	70
K2O (LB/A)	105
MGO (LB/a)	63

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

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COUNTY: **Adams** # of Samples 13

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.2		
P (ppm)	129		
K (ppm)	149	K (% Sat)	2.6
Mg (ppm)	259	Mg (% Sat)	21.4
Ca (ppm)	1,792	Ca (% Sat)	61.1
CEC	14.7		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	308
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	111
MGO (LB/a)	57

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COUNTY: **Allegheny** # of Samples 14

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.9		
P (ppm)	121		
K (ppm)	218	K (% Sat)	3.3
Mg (ppm)	213	Mg (% Sat)	9.9
Ca (ppm)	2,145	Ca (% Sat)	49.0
CEC	16.8		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1143
N (lb/A)	
P2O5 (LB/A)	76
K20 (LB/A)	93
MGO (LB/a)	102

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

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<b>COUNTY:</b>	<b>Armstrong</b>	<b># of Samples</b>	2
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.9		
P (ppm)	219		
K (ppm)	161	K (% Sat)	2.6
Mg (ppm)	152	Mg (% Sat)	6.9
Ca (ppm)	3,086	Ca (% Sat)	69.8
CEC	15.8		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	110
MGO (LB/a)	80

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<b>COUNTY:</b>	<b>Beaver</b>	<b># of Samples</b>	3
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.4		
P (ppm)	204		
K (ppm)	136	K (% Sat)	3.0
Mg (ppm)	161	Mg (% Sat)	6.3
Ca (ppm)	1,374	Ca (% Sat)	58.5
CEC	12.0		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	135
MGO (LB/a)	7

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

**COUNTY: Bedford** **# of Samples** 4

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.4		
P (ppm)	37		
K (ppm)	152	K (% Sat)	3.1
Mg (ppm)	113	Mg (% Sat)	5.9
Ca (ppm)	1,500	Ca (% Sat)	62.3
CEC	11.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	113
MGO (LB/a)	110

**COUNTY: Berks** **# of Samples** 19

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.9		
P (ppm)	147		
K (ppm)	137	K (% Sat)	2.4
Mg (ppm)	207	Mg (% Sat)	8.3
Ca (ppm)	1,605	Ca (% Sat)	44.6
CEC	14.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	66
K20 (LB/A)	110
MGO (LB/a)	41

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

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**COUNTY: Blair** **# of Samples** 12

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.4		
P (ppm)	89		
K (ppm)	232	K (% Sat)	4.3
Mg (ppm)	218	Mg (% Sat)	5.6
Ca (ppm)	1,543	Ca (% Sat)	51.9
CEC	14.5		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	667
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	68
MGO (LB/a)	61

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**COUNTY: Bradford** **# of Samples** 5

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.7		
P (ppm)	125		
K (ppm)	109	K (% Sat)	2.3
Mg (ppm)	136	Mg (% Sat)	3.9
Ca (ppm)	1,222	Ca (% Sat)	47.9
CEC	12.2		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	109
MGO (LB/a)	14

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

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<b>COUNTY:</b>	<b>Bucks</b>	<b># of Samples</b>	17
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.8		
P (ppm)	61		
K (ppm)	192	K (% Sat)	4.4
Mg (ppm)	182	Mg (% Sat)	4.1
Ca (ppm)	1,110	Ca (% Sat)	43.9
CEC	11.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	894
N (lb/A)	
P2O5 (LB/A)	58
K20 (LB/A)	98
MGO (LB/a)	69

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<b>COUNTY:</b>	<b>Butler</b>	<b># of Samples</b>	12
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	6.1		
P (ppm)	179		
K (ppm)	159	K (% Sat)	3.0
Mg (ppm)	109	Mg (% Sat)	5.6
Ca (ppm)	1,598	Ca (% Sat)	43.0
CEC	13.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1917
N (lb/A)	
P2O5 (LB/A)	86
K20 (LB/A)	99
MGO (LB/a)	50

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

**COUNTY: Cambria** **# of Samples** 2

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.3		
Acidity (meq/100 g)	8.7		
P (ppm)	89		
K (ppm)	222	K (% Sat)	4.0
Mg (ppm)	152	Mg (% Sat)	6.4
Ca (ppm)	946	Ca (% Sat)	30.6
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: Carbon** **# of Samples** 1

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.9		
P (ppm)	561		
K (ppm)	139	K (% Sat)	2.9
Mg (ppm)	130	Mg (% Sat)	8.7
Ca (ppm)	1,425	Ca (% Sat)	57.2
CEC	12.5		

**SOIL TEST RECOMMENDATIONS**

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

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

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**COUNTY: Centre** **# of Samples** 27

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	6.0		
P (ppm)	207		
K (ppm)	128	K (% Sat)	2.3
Mg (ppm)	128	Mg (% Sat)	4.6
Ca (ppm)	1,720	Ca (% Sat)	58.1
CEC	15.0		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	241
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	112
MGO (LB/a)	72

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**COUNTY: Chester** **# of Samples** 8

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.7		
P (ppm)	62		
K (ppm)	125	K (% Sat)	2.8
Mg (ppm)	195	Mg (% Sat)	6.2
Ca (ppm)	1,218	Ca (% Sat)	42.7
CEC	12.5		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1500
N (lb/A)	
P2O5 (LB/A)	77
K20 (LB/A)	109
MGO (LB/a)	45



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

**COUNTY: Clarion**

**# of Samples**

**5**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	8.7		
P (ppm)	168		
K (ppm)	123	K (% Sat)	2.0
Mg (ppm)	179	Mg (% Sat)	6.1
Ca (ppm)	1,415	Ca (% Sat)	43.3
CEC	16.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	110
MGO (LB/a)	28

**COUNTY: Clearfield**

**# of Samples**

**4**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.3		
P (ppm)	101		
K (ppm)	103	K (% Sat)	2.1
Mg (ppm)	162	Mg (% Sat)	14.9
Ca (ppm)	1,553	Ca (% Sat)	58.6
CEC	12.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	100
MGO (LB/a)	63

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

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<b>COUNTY:</b>	<b>Clinton</b>	<b># of Samples</b>	2
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.4		
P (ppm)	76		
K (ppm)	120	K (% Sat)	2.4
Mg (ppm)	119	Mg (% Sat)	7.2
Ca (ppm)	1,616	Ca (% Sat)	63.8
CEC	12.7		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	120
MGO (LB/a)	15

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<b>COUNTY:</b>	<b>Columbia</b>	<b># of Samples</b>	5
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.5		
Acidity (meq/100 g)	6.1		
P (ppm)	26		
K (ppm)	129	K (% Sat)	3.1
Mg (ppm)	77	Mg (% Sat)	5.3
Ca (ppm)	756	Ca (% Sat)	33.7
CEC	10.8		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	600
N (lb/A)	
P2O5 (LB/A)	66
K20 (LB/A)	78
MGO (LB/a)	60

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

COUNTY: **Crawford** # of Samples **7**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.5		
P (ppm)	95		
K (ppm)	137	K (% Sat)	2.3
Mg (ppm)	191	Mg (% Sat)	4.2
Ca (ppm)	2,116	Ca (% Sat)	60.7
CEC	16.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	43
K20 (LB/A)	98
MGO (LB/a)	8

COUNTY: **Cumberland** # of Samples **13**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.5		
Acidity (meq/100 g)	8.8		
P (ppm)	93		
K (ppm)	202	K (% Sat)	2.9
Mg (ppm)	175	Mg (% Sat)	1.3
Ca (ppm)	1,514	Ca (% Sat)	42.7
CEC	17.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	93
MGO (LB/a)	131

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

**COUNTY: Dauphin** **# of Samples** 15

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.0		
P (ppm)	65		
K (ppm)	114	K (% Sat)	3.0
Mg (ppm)	127	Mg (% Sat)	6.9
Ca (ppm)	1,051	Ca (% Sat)	44.6
CEC	11.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	467
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	97
MGO (LB/a)	49

**COUNTY: Delaware** **# of Samples** 1

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.9		
Acidity (meq/100 g)	0.0		
P (ppm)	29		
K (ppm)	89	K (% Sat)	2.4
Mg (ppm)	223	Mg (% Sat)	19.5
Ca (ppm)	1,485	Ca (% Sat)	78.1
CEC	9.5		

**SOIL TEST RECOMMENDATIONS**

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

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

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<b>COUNTY:</b>	<b>Eik</b>	<b># of Samples</b>	3
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	7.9		
P (ppm)	11		
K (ppm)	129	K (% Sat)	2.3
Mg (ppm)	140	Mg (% Sat)	1.5
Ca (ppm)	1,010	Ca (% Sat)	34.2
CEC	14.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	93
K20 (LB/A)	135
MGO (LB/a)	67

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<b>COUNTY:</b>	<b>Erie</b>	<b># of Samples</b>	7
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.4		
P (ppm)	70		
K (ppm)	153	K (% Sat)	4.0
Mg (ppm)	114	Mg (% Sat)	9.3
Ca (ppm)	1,085	Ca (% Sat)	49.5
CEC	11.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1071
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	117
MGO (LB/a)	104

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

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COUNTY: **Fayette** # of Samples 12

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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)	104		
K (ppm)	124	K (% Sat)	2.4
Mg (ppm)	195	Mg (% Sat)	10.4
Ca (ppm)	1,668	Ca (% Sat)	53.9
CEC	14.3		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1667
N (lb/A)	
P2O5 (LB/A)	74
K20 (LB/A)	94
MGO (LB/a)	2

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COUNTY: **Forest** # of Samples 2

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.3		
P (ppm)	47		
K (ppm)	134	K (% Sat)	3.5
Mg (ppm)	170	Mg (% Sat)	6.1
Ca (ppm)	1,204	Ca (% Sat)	61.5
CEC	10.0		

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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)	68
MGO (LB/a)	40

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

COUNTY: **Franklin** # of Samples **9**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.7		
P (ppm)	85		
K (ppm)	147	K (% Sat)	3.3
Mg (ppm)	108	Mg (% Sat)	3.4
Ca (ppm)	1,268	Ca (% Sat)	49.3
CEC	12.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	98
MGO (LB/a)	73

COUNTY: **Fulton** # of Samples **1**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	5.1		
P (ppm)	35		
K (ppm)	114	K (% Sat)	2.1
Mg (ppm)	147	Mg (% Sat)	9.0
Ca (ppm)	1,409	Ca (% Sat)	51.6
CEC	13.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	110
MGO (LB/a)	0

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**Small Fruits**

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**COUNTY:     Huntingdon** **# of Samples**                   6

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.0		
P (ppm)	104		
K (ppm)	177	K (% Sat)	3.5
Mg (ppm)	189	Mg (% Sat)	6.4
Ca (ppm)	1,560	Ca (% Sat)	60.1
CEC	12.8		

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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)	78
MGO (LB/a)	76

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**COUNTY:     Indiana** **# of Samples**                   16

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.3		
P (ppm)	100		
K (ppm)	169	K (% Sat)	3.4
Mg (ppm)	153	Mg (% Sat)	5.3
Ca (ppm)	1,374	Ca (% Sat)	44.6
CEC	13.8		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1188
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	91
MGO (LB/a)	91



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

**COUNTY: Jefferson** **# of Samples** 7

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.2		
Acidity (meq/100 g)	8.4		
P (ppm)	15		
K (ppm)	105	K (% Sat)	2.1
Mg (ppm)	86	Mg (% Sat)	8.8
Ca (ppm)	750	Ca (% Sat)	29.0
CEC	13.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	286
N (lb/A)	
P2O5 (LB/A)	86
K20 (LB/A)	112
MGO (LB/a)	56

**COUNTY: Juniata** **# of Samples** 2

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.9		
Acidity (meq/100 g)	7.5		
P (ppm)	32		
K (ppm)	72	K (% Sat)	1.6
Mg (ppm)	54	Mg (% Sat)	2.8
Ca (ppm)	595	Ca (% Sat)	29.0
CEC	11.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	135
MGO (LB/a)	85

**SUMMARY REPORT**  
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 Small Fruits

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COUNTY: **Lackawanna** # of Samples 13

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	8.2		
P (ppm)	146		
K (ppm)	111	K (% Sat)	2.4
Mg (ppm)	117	Mg (% Sat)	9.1
Ca (ppm)	716	Ca (% Sat)	30.3
CEC	13.1		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	109
MGO (LB/a)	52

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COUNTY: **Lancaster** # of Samples 11

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.2		
P (ppm)	120		
K (ppm)	166	K (% Sat)	3.2
Mg (ppm)	139	Mg (% Sat)	5.1
Ca (ppm)	1,941	Ca (% Sat)	62.1
CEC	13.3		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	182
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	118
MGO (LB/a)	83

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

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**COUNTY: Lawrence** **# of Samples** 6

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	5.1		
P (ppm)	241		
K (ppm)	239	K (% Sat)	2.9
Mg (ppm)	397	Mg (% Sat)	4.9
Ca (ppm)	3,186	Ca (% Sat)	61.0
CEC	20.1		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	57
K20 (LB/A)	108
MGO (LB/a)	0

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**COUNTY: Lebanon** **# of Samples** 7

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.7		
P (ppm)	18		
K (ppm)	98	K (% Sat)	2.0
Mg (ppm)	156	Mg (% Sat)	8.8
Ca (ppm)	1,022	Ca (% Sat)	41.0
CEC	12.4		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	97
K20 (LB/A)	123
MGO (LB/a)	23

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

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**COUNTY: Lehigh** **# of Samples** 11

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	5.2		
P (ppm)	191		
K (ppm)	205	K (% Sat)	3.9
Mg (ppm)	171	Mg (% Sat)	5.9
Ca (ppm)	1,994	Ca (% Sat)	51.7
CEC	15.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	100
MGO (LB/a)	30

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**COUNTY: Luzerne** **# of Samples** 6

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.6		
Acidity (meq/100 g)	11.3		
P (ppm)	303		
K (ppm)	109	K (% Sat)	1.8
Mg (ppm)	106	Mg (% Sat)	8.3
Ca (ppm)	769	Ca (% Sat)	23.2
CEC	16.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	133
MGO (LB/a)	82

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

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<b>COUNTY:</b>	<b>Lycoming</b>	<b># of Samples</b>	4
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.9		
P (ppm)	131		
K (ppm)	186	K (% Sat)	2.8
Mg (ppm)	138	Mg (% Sat)	6.9
Ca (ppm)	2,193	Ca (% Sat)	54.0
CEC	19.0		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	75
MGO (LB/a)	28

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<b>COUNTY:</b>	<b>McKean</b>	<b># of Samples</b>	6
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	5.3		
P (ppm)	80		
K (ppm)	183	K (% Sat)	3.6
Mg (ppm)	149	Mg (% Sat)	6.0
Ca (ppm)	1,549	Ca (% Sat)	56.9
CEC	14.5		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	113
MGO (LB/a)	113

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

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**COUNTY: Mercer** **# of Samples** 2

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.0		
P (ppm)	93		
K (ppm)	151	K (% Sat)	2.2
Mg (ppm)	144	Mg (% Sat)	5.4
Ca (ppm)	2,927	Ca (% Sat)	75.8
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)	
K20 (LB/A)	110
MGO (LB/a)	0

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**COUNTY: Mifflin** **# of Samples** 3

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	7.1		
Acidity (meq/100 g)	0.9		
P (ppm)	254		
K (ppm)	254	K (% Sat)	5.7
Mg (ppm)	197	Mg (% Sat)	10.1
Ca (ppm)	2,162	Ca (% Sat)	76.0
CEC	13.3		

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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)	50

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

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**COUNTY: Montgomery** **# of Samples** 26

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.3		
P (ppm)	173		
K (ppm)	232	<b>K (% Sat)</b>	3.3
Mg (ppm)	309	<b>Mg (% Sat)</b>	6.5
Ca (ppm)	2,249	<b>Ca (% Sat)</b>	55.0
CEC	17.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	554
N (lb/A)	
P2O5 (LB/A)	73
K20 (LB/A)	100
MGO (LB/a)	36

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**COUNTY: Montour** **# of Samples** 5

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	144		
K (ppm)	189	<b>K (% Sat)</b>	4.2
Mg (ppm)	110	<b>Mg (% Sat)</b>	8.4
Ca (ppm)	1,265	<b>Ca (% Sat)</b>	54.5
CEC	11.5		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	78
MGO (LB/a)	144

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

**COUNTY: Northampton**

**# of Samples**

**6**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.4		
P (ppm)	115		
K (ppm)	191	K (% Sat)	3.8
Mg (ppm)	192	Mg (% Sat)	3.1
Ca (ppm)	1,595	Ca (% Sat)	60.5
CEC	12.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	667
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	127
MGO (LB/a)	28

**COUNTY: Northumberland**

**# of Samples**

**7**

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.9		
P (ppm)	92		
K (ppm)	173	K (% Sat)	3.9
Mg (ppm)	90	Mg (% Sat)	4.1
Ca (ppm)	911	Ca (% Sat)	37.0
CEC	12.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	429
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	73
MGO (LB/a)	187



**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	6.8		
Acidity (meq/100 g)	1.8		
P (ppm)	176		
K (ppm)	198	K (% Sat)	3.3
Mg (ppm)	213	Mg (% Sat)	5.3
Ca (ppm)	2,575	Ca (% Sat)	71.2
CEC	15.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	78
K20 (LB/A)	73
MGO (LB/a)	12

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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	6.2		
Acidity (meq/100 g)	5.3		
P (ppm)	262		
K (ppm)	377	K (% Sat)	5.2
Mg (ppm)	349	Mg (% Sat)	6.2
Ca (ppm)	1,977	Ca (% Sat)	46.1
CEC	17.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	3500
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	85
MGO (LB/a)	0

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

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COUNTY: **Potter** # of Samples **6**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.5		
P (ppm)	73		
K (ppm)	185	K (% Sat)	3.9
Mg (ppm)	131	Mg (% Sat)	15.1
Ca (ppm)	1,223	Ca (% Sat)	50.7
CEC	12.1		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	2333
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	110
MGO (LB/a)	200

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COUNTY: **Schuylkill** # of Samples **3**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.3		
P (ppm)	183		
K (ppm)	81	K (% Sat)	1.9
Mg (ppm)	114	Mg (% Sat)	10.5
Ca (ppm)	1,708	Ca (% Sat)	66.8
CEC	12.0		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	120
MGO (LB/a)	27

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

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COUNTY: **Snyder** # of Samples **8**

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.7		
P (ppm)	96		
K (ppm)	178	K (% Sat)	3.7
Mg (ppm)	189	Mg (% Sat)	18.4
Ca (ppm)	1,737	Ca (% Sat)	57.9
CEC	13.2		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1125
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	92
MGO (LB/a)	47

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COUNTY: **Somerset** # of Samples **12**

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	6.3		
P (ppm)	53		
K (ppm)	132	K (% Sat)	2.3
Mg (ppm)	118	Mg (% Sat)	5.2
Ca (ppm)	1,644	Ca (% Sat)	51.7
CEC	15.2		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1417
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	116
MGO (LB/a)	109

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

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<b>COUNTY:</b>	<b>Sullivan</b>	<b># of Samples</b>	1
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.9		
Acidity (meq/100 g)	5.7		
P (ppm)	1		
K (ppm)	26	<b>K (% Sat)</b>	1.1
Mg (ppm)	7	<b>Mg (% Sat)</b>	1.0
Ca (ppm)	47	<b>Ca (% Sat)</b>	3.9
CEC	6.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	2000
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	180
MGO (LB/a)	110

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<b>COUNTY:</b>	<b>Susquehanna</b>	<b># of Samples</b>	8
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.3		
Acidity (meq/100 g)	8.6		
P (ppm)	86		
K (ppm)	103	<b>K (% Sat)</b>	1.9
Mg (ppm)	104	<b>Mg (% Sat)</b>	2.5
Ca (ppm)	961	<b>Ca (% Sat)</b>	36.2
CEC	13.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	123
MGO (LB/a)	68

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

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**COUNTY: Tioga** **# of Samples** 5

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.2		
Acidity (meq/100 g)	8.5		
P (ppm)	192		
K (ppm)	233	K (% Sat)	3.5
Mg (ppm)	155	Mg (% Sat)	5.6
Ca (ppm)	962	Ca (% Sat)	29.3
CEC	15.2		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	118
MGO (LB/a)	55

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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)	1.1		
P (ppm)	183		
K (ppm)	311	K (% Sat)	4.8
Mg (ppm)	231	Mg (% Sat)	8.1
Ca (ppm)	2,719	Ca (% Sat)	73.2
CEC	15.2		

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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)	147

**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**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	6.3		
P (ppm)	33		
K (ppm)	120	K (% Sat)	2.1
Mg (ppm)	107	Mg (% Sat)	6.2
Ca (ppm)	1,395	Ca (% Sat)	48.2
CEC	14.5		

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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)	110
MGO (LB/a)	30

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

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.8		
P (ppm)	116		
K (ppm)	271	K (% Sat)	4.1
Mg (ppm)	252	Mg (% Sat)	7.4
Ca (ppm)	2,135	Ca (% Sat)	51.5
CEC	16.4		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	1333
N (lb/A)	
P2O5 (LB/A)	47
K20 (LB/A)	78
MGO (LB/a)	59

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

**COUNTY: Wayne** **# of Samples** 4

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.2		
Acidity (meq/100 g)	8.7		
P (ppm)	69		
K (ppm)	83	K (% Sat)	2.0
Mg (ppm)	48	Mg (% Sat)	2.6
Ca (ppm)	452	Ca (% Sat)	22.4
CEC	11.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	3150
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	113
MGO (LB/a)	130

**COUNTY: Westmoreland** **# of Samples** 18

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.0		
P (ppm)	83		
K (ppm)	139	K (% Sat)	2.6
Mg (ppm)	176	Mg (% Sat)	2.9
Ca (ppm)	1,777	Ca (% Sat)	54.4
CEC	13.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	389
N (lb/A)	
P2O5 (LB/A)	79
K20 (LB/A)	109
MGO (LB/a)	23

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

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COUNTY: **Wyoming** # of Samples 16

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.0		
P (ppm)	126		
K (ppm)	91	K (% Sat)	2.6
Mg (ppm)	107	Mg (% Sat)	4.1
Ca (ppm)	653	Ca (% Sat)	38.1
CEC	9.4		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	250
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	116
MGO (LB/a)	54

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COUNTY: **York** # of Samples 18

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	5.3		
P (ppm)	58		
K (ppm)	168	K (% Sat)	3.7
Mg (ppm)	153	Mg (% Sat)	4.6
Ca (ppm)	1,269	Ca (% Sat)	47.6
CEC	13.1		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	167
N (lb/A)	
P2O5 (LB/A)	65
K20 (LB/A)	115
MGO (LB/a)	48