

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

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**# of Samples**                    665

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**SOIL TEST RESULTS**

<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>
pH	6.1		
Acidity (meq/100 g)	4.5		
P (ppm)	124		
K (ppm)	161	K (% Sat)	3.0
Mg (ppm)	183	Mg (% Sat)	10.5
Ca (ppm)	1,757	Ca (% Sat)	52.8
CEC	14.2		

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**SOIL TEST RECOMMENDATIONS**

<b>RECOMMENDATION</b>	<b>AVERAGE</b>
LIME (lb/A)	654
N (lb/A)	
P2O5 (LB/A)	66
K20 (LB/A)	100
MGO (LB/a)	43

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

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<b>COUNTY:</b>	<b>Adams</b>	<b># of Samples</b>	11
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	3.1		
P (ppm)	141		
K (ppm)	291	K (% Sat)	4.1
Mg (ppm)	257	Mg (% Sat)	4.0
Ca (ppm)	2,144	Ca (% Sat)	63.4
CEC	16.0		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	80
MGO (LB/a)	32

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<b>COUNTY:</b>	<b>Allegheny</b>	<b># of Samples</b>	20
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.7		
P (ppm)	116		
K (ppm)	135	K (% Sat)	2.0
Mg (ppm)	198	Mg (% Sat)	4.7
Ca (ppm)	2,945	Ca (% Sat)	62.1
CEC	17.5		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	850
N (lb/A)	
P2O5 (LB/A)	67
K20 (LB/A)	110
MGO (LB/a)	12

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

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	0.9		
P (ppm)	282		
K (ppm)	175	K (% Sat)	3.4
Mg (ppm)	343	Mg (% Sat)	8.9
Ca (ppm)	3,072	Ca (% Sat)	71.1
CEC	14.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	750
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	77
MGO (LB/a)	30

**COUNTY: Berks** **# of Samples** 29

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	177		
K (ppm)	132	K (% Sat)	2.2
Mg (ppm)	175	Mg (% Sat)	6.8
Ca (ppm)	2,122	Ca (% Sat)	64.8
CEC	15.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	113
MGO (LB/a)	20

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

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<b>COUNTY:</b>	<b>Blair</b>	<b># of Samples</b>	9
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	4.4		
P (ppm)	55		
K (ppm)	166	K (% Sat)	2.5
Mg (ppm)	231	Mg (% Sat)	8.8
Ca (ppm)	2,307	Ca (% Sat)	61.8
CEC	17.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	109
MGO (LB/a)	23

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<b>COUNTY:</b>	<b>Bradford</b>	<b># of Samples</b>	9
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.4		
P (ppm)	204		
K (ppm)	201	K (% Sat)	3.6
Mg (ppm)	215	Mg (% Sat)	10.2
Ca (ppm)	1,861	Ca (% Sat)	55.2
CEC	15.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	108
MGO (LB/a)	77

**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>	20
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.0		
P (ppm)	92		
K (ppm)	172	K (% Sat)	3.6
Mg (ppm)	211	Mg (% Sat)	2.7
Ca (ppm)	1,506	Ca (% Sat)	51.9
CEC	13.6		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	600
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	110
MGO (LB/a)	65

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<b>COUNTY:</b>	<b>Butler</b>	<b># of Samples</b>	11
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.1		
P (ppm)	72		
K (ppm)	177	K (% Sat)	2.8
Mg (ppm)	159	Mg (% Sat)	5.1
Ca (ppm)	1,979	Ca (% Sat)	63.3
CEC	15.8		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	76
MGO (LB/a)	31

**SUMMARY REPORT**  
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 Small Fruits

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<b>COUNTY:</b>	<b>Cambria</b>	<b># of Samples</b>	10
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.3		
P (ppm)	76		
K (ppm)	170	K (% Sat)	2.4
Mg (ppm)	359	Mg (% Sat)	6.8
Ca (ppm)	1,803	Ca (% Sat)	44.7
CEC	18.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	600
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	91
MGO (LB/a)	0

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.6		
Acidity (meq/100 g)	0.0		
P (ppm)	227		
K (ppm)	281	K (% Sat)	3.9
Mg (ppm)	352	Mg (% Sat)	15.7
Ca (ppm)	4,510	Ca (% Sat)	80.4
CEC	18.7		

**SOIL TEST RECOMMENDATIONS**

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

**SUMMARY REPORT**  
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Small Fruits

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<b>COUNTY:</b>	<b>Centre</b>	<b># of Samples</b>	29
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.3		
P (ppm)	223		
K (ppm)	204	<b>K (% Sat)</b>	3.2
Mg (ppm)	259	<b>Mg (% Sat)</b>	5.5
Ca (ppm)	2,527	<b>Ca (% Sat)</b>	56.7
CEC	16.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	69
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	91
MGO (LB/a)	76

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<b>COUNTY:</b>	<b>Chester</b>	<b># of Samples</b>	37
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.1		
P (ppm)	69		
K (ppm)	145	<b>K (% Sat)</b>	3.1
Mg (ppm)	193	<b>Mg (% Sat)</b>	6.5
Ca (ppm)	1,393	<b>Ca (% Sat)</b>	51.9
CEC	12.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	622
N (lb/A)	
P2O5 (LB/A)	68
K20 (LB/A)	107
MGO (LB/a)	26

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**Small Fruits**

**COUNTY: Clarion** **# of Samples** 6

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.6		
P (ppm)	51		
K (ppm)	104	K (% Sat)	2.1
Mg (ppm)	125	Mg (% Sat)	8.0
Ca (ppm)	1,353	Ca (% Sat)	52.2
CEC	12.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	76
K20 (LB/A)	140
MGO (LB/a)	42

**COUNTY: Clearfield** **# of Samples** 3

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.6		
P (ppm)	55		
K (ppm)	190	K (% Sat)	2.8
Mg (ppm)	218	Mg (% Sat)	6.8
Ca (ppm)	2,032	Ca (% Sat)	56.8
CEC	14.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	150
MGO (LB/a)	10



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Small Fruits

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.9		
P (ppm)	123		
K (ppm)	167	K (% Sat)	3.1
Mg (ppm)	129	Mg (% Sat)	7.8
Ca (ppm)	1,683	Ca (% Sat)	60.9
CEC	13.8		

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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)	0

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	5.1		
P (ppm)	142		
K (ppm)	112	K (% Sat)	1.9
Mg (ppm)	135	Mg (% Sat)	3.6
Ca (ppm)	1,816	Ca (% Sat)	55.7
CEC	14.6		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	116
MGO (LB/a)	14

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	5.3		
P (ppm)	63		
K (ppm)	123	K (% Sat)	2.0
Mg (ppm)	181	Mg (% Sat)	6.7
Ca (ppm)	1,732	Ca (% Sat)	53.8
CEC	15.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1667
N (lb/A)	
P2O5 (LB/A)	57
K20 (LB/A)	96
MGO (LB/a)	0

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<b>COUNTY:</b>	<b>Cumberland</b>	<b># of Samples</b>	15
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.0		
P (ppm)	133		
K (ppm)	134	K (% Sat)	4.1
Mg (ppm)	152	Mg (% Sat)	5.3
Ca (ppm)	1,438	Ca (% Sat)	52.2
CEC	12.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	480
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	93
MGO (LB/a)	43

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**COUNTY: Dauphin** **# of Samples** 17

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.5		
P (ppm)	88		
K (ppm)	110	K (% Sat)	2.4
Mg (ppm)	148	Mg (% Sat)	5.2
Ca (ppm)	1,773	Ca (% Sat)	56.6
CEC	13.6		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	118
N (lb/A)	
P2O5 (LB/A)	40
K20 (LB/A)	107
MGO (LB/a)	15

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**COUNTY: Delaware** **# of Samples** 6

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.5		
P (ppm)	71		
K (ppm)	149	K (% Sat)	3.0
Mg (ppm)	262	Mg (% Sat)	9.6
Ca (ppm)	1,646	Ca (% Sat)	55.7
CEC	13.0		

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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)	105
MGO (LB/a)	13

**SUMMARY REPORT**  
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<b>COUNTY:</b>	<b>Eik</b>	<b># of Samples</b>	15
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	7.6		
P (ppm)	61		
K (ppm)	103	<b>K (% Sat)</b>	2.0
Mg (ppm)	147	<b>Mg (% Sat)</b>	19.5
Ca (ppm)	1,022	<b>Ca (% Sat)</b>	32.5
CEC	13.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	2567
N (lb/A)	
P2O5 (LB/A)	75
K20 (LB/A)	108
MGO (LB/a)	55

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<b>COUNTY:</b>	<b>Erie</b>	<b># of Samples</b>	71
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.1		
P (ppm)	169		
K (ppm)	144	<b>K (% Sat)</b>	3.4
Mg (ppm)	88	<b>Mg (% Sat)</b>	8.9
Ca (ppm)	804	<b>Ca (% Sat)</b>	32.2
CEC	11.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	2134
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	85
MGO (LB/a)	32

**SUMMARY REPORT**  
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Small Fruits

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.1		
P (ppm)	44		
K (ppm)	130	K (% Sat)	2.3
Mg (ppm)	149	Mg (% Sat)	10.3
Ca (ppm)	1,342	Ca (% Sat)	45.7
CEC	14.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	54
K20 (LB/A)	98
MGO (LB/a)	24

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.1		
P (ppm)	115		
K (ppm)	184	K (% Sat)	3.0
Mg (ppm)	165	Mg (% Sat)	5.5
Ca (ppm)	1,745	Ca (% Sat)	50.7
CEC	14.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	140
MGO (LB/a)	65

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COUNTY: **Franklin** # of Samples **4**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.0		
Acidity (meq/100 g)	0.7		
P (ppm)	119		
K (ppm)	136	K (% Sat)	2.6
Mg (ppm)	133	Mg (% Sat)	8.7
Ca (ppm)	3,190	Ca (% Sat)	87.5
CEC	14.9		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	88
MGO (LB/a)	55

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

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.1		
P (ppm)	38		
K (ppm)	134	K (% Sat)	1.8
Mg (ppm)	170	Mg (% Sat)	7.6
Ca (ppm)	2,366	Ca (% Sat)	63.3
CEC	18.7		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	75
MGO (LB/a)	0

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

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.1		
P (ppm)	200		
K (ppm)	148	K (% Sat)	2.7
Mg (ppm)	124	Mg (% Sat)	4.6
Ca (ppm)	2,325	Ca (% Sat)	69.7
CEC	14.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	93
MGO (LB/a)	107

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COUNTY: **Indiana** # of Samples **2**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	7.5		
P (ppm)	27		
K (ppm)	95	K (% Sat)	1.9
Mg (ppm)	94	Mg (% Sat)	2.1
Ca (ppm)	939	Ca (% Sat)	33.7
CEC	13.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	110
MGO (LB/a)	95

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

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	253		
K (ppm)	474	K (% Sat)	6.6
Mg (ppm)	371	Mg (% Sat)	11.3
Ca (ppm)	2,105	Ca (% Sat)	57.2
CEC	17.5		

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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)	50
MGO (LB/a)	60

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COUNTY: **Lackawanna** # of Samples **7**

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.8		
P (ppm)	144		
K (ppm)	101	K (% Sat)	3.0
Mg (ppm)	123	Mg (% Sat)	3.2
Ca (ppm)	981	Ca (% Sat)	51.4
CEC	9.0		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	571
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	110
MGO (LB/a)	29



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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)	4.5		
P (ppm)	156		
K (ppm)	131	K (% Sat)	2.5
Mg (ppm)	185	Mg (% Sat)	2.9
Ca (ppm)	2,206	Ca (% Sat)	63.1
CEC	15.7		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	110
MGO (LB/a)	65

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COUNTY: **Lawrence** # of Samples 9

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.5		
Acidity (meq/100 g)	5.8		
P (ppm)	74		
K (ppm)	111	K (% Sat)	2.0
Mg (ppm)	119	Mg (% Sat)	11.4
Ca (ppm)	1,304	Ca (% Sat)	45.1
CEC	13.6		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	222
N (lb/A)	
P2O5 (LB/A)	57
K20 (LB/A)	117
MGO (LB/a)	44

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

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COUNTY: **Lebanon** # of Samples **4**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.0		
Acidity (meq/100 g)	0.9		
P (ppm)	140		
K (ppm)	125	K (% Sat)	2.1
Mg (ppm)	175	Mg (% Sat)	10.9
Ca (ppm)	3,287	Ca (% Sat)	82.1
CEC	14.9		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	98
MGO (LB/a)	8

---

COUNTY: **Lehigh** # of Samples **33**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.5		
P (ppm)	104		
K (ppm)	212	K (% Sat)	3.9
Mg (ppm)	287	Mg (% Sat)	12.2
Ca (ppm)	1,802	Ca (% Sat)	51.0
CEC	13.9		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1242
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	75
MGO (LB/a)	6

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

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COUNTY: **Luzerne** # of Samples 6

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.7		
P (ppm)	231		
K (ppm)	101	K (% Sat)	1.7
Mg (ppm)	139	Mg (% Sat)	2.8
Ca (ppm)	1,416	Ca (% Sat)	44.4
CEC	15.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	106
MGO (LB/a)	65

---

COUNTY: **Lycoming** # of Samples 14

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.9		
P (ppm)	143		
K (ppm)	165	K (% Sat)	3.2
Mg (ppm)	175	Mg (% Sat)	4.7
Ca (ppm)	2,395	Ca (% Sat)	62.4
CEC	14.3		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	471
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	101
MGO (LB/a)	87

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

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COUNTY: **McKean** # of Samples **4**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.8		
P (ppm)	34		
K (ppm)	220	K (% Sat)	4.0
Mg (ppm)	128	Mg (% Sat)	5.1
Ca (ppm)	1,795	Ca (% Sat)	54.9
CEC	15.4		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	45
K20 (LB/A)	
MGO (LB/a)	218

---

COUNTY: **Mercer** # of Samples **11**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	5.8		
P (ppm)	104		
K (ppm)	218	K (% Sat)	3.6
Mg (ppm)	144	Mg (% Sat)	6.1
Ca (ppm)	1,566	Ca (% Sat)	51.5
CEC	14.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	727
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	122
MGO (LB/a)	65

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

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.9		
Acidity (meq/100 g)	0.7		
P (ppm)	103		
K (ppm)	138	K (% Sat)	2.5
Mg (ppm)	164	Mg (% Sat)	10.2
Ca (ppm)	2,311	Ca (% Sat)	82.9
CEC	13.9		

**SOIL TEST RECOMMENDATIONS**

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

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

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.3		
Acidity (meq/100 g)	0.0		
P (ppm)	328		
K (ppm)	58	K (% Sat)	1.0
Mg (ppm)	223	Mg (% Sat)	12.7
Ca (ppm)	2,533	Ca (% Sat)	86.3
CEC	14.7		

**SOIL TEST RECOMMENDATIONS**

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

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

**COUNTY: Montgomery** **# of Samples** 31

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.0		
P (ppm)	140		
K (ppm)	188	K (% Sat)	2.9
Mg (ppm)	279	Mg (% Sat)	9.8
Ca (ppm)	2,254	Ca (% Sat)	62.0
CEC	15.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	79
K20 (LB/A)	95
MGO (LB/a)	23

**COUNTY: Montour** **# of Samples** 2

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.5		
P (ppm)	89		
K (ppm)	90	K (% Sat)	1.5
Mg (ppm)	82	Mg (% Sat)	3.4
Ca (ppm)	2,636	Ca (% Sat)	71.8
CEC	15.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	108
MGO (LB/a)	90

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

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COUNTY: **Northampton** # of Samples **8**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.7		
P (ppm)	77		
K (ppm)	125	K (% Sat)	2.7
Mg (ppm)	207	Mg (% Sat)	6.7
Ca (ppm)	1,898	Ca (% Sat)	60.8
CEC	12.6		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	250
N (lb/A)	
P2O5 (LB/A)	73
K20 (LB/A)	118
MGO (LB/a)	40

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COUNTY: **Northumberland** # of Samples **13**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.3		
P (ppm)	70		
K (ppm)	135	K (% Sat)	3.1
Mg (ppm)	130	Mg (% Sat)	3.6
Ca (ppm)	1,746	Ca (% Sat)	68.7
CEC	12.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	231
N (lb/A)	
P2O5 (LB/A)	53
K20 (LB/A)	97
MGO (LB/a)	28

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

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**COUNTY: Perry** **# of Samples** 9

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.0		
P (ppm)	88		
K (ppm)	152	K (% Sat)	3.5
Mg (ppm)	152	Mg (% Sat)	7.5
Ca (ppm)	1,751	Ca (% Sat)	65.5
CEC	11.4		

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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)	83
MGO (LB/a)	42

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**COUNTY: Philadelphia** **# of Samples** 4

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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)	198		
K (ppm)	114	K (% Sat)	1.7
Mg (ppm)	354	Mg (% Sat)	9.3
Ca (ppm)	2,643	Ca (% Sat)	64.4
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)	
K20 (LB/A)	86
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**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.6		
P (ppm)	114		
K (ppm)	157	K (% Sat)	2.8
Mg (ppm)	134	Mg (% Sat)	5.5
Ca (ppm)	1,174	Ca (% Sat)	41.9
CEC	14.0		

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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)	86
MGO (LB/a)	44

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**COUNTY: Schuylkill** **# of Samples** 10

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.7		
P (ppm)	144		
K (ppm)	135	K (% Sat)	2.6
Mg (ppm)	117	Mg (% Sat)	4.6
Ca (ppm)	1,491	Ca (% Sat)	55.9
CEC	13.5		

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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)	88
MGO (LB/a)	76

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

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**COUNTY: Snyder** **# of Samples** 6

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	6.0		
P (ppm)	186		
K (ppm)	252	K (% Sat)	3.9
Mg (ppm)	230	Mg (% Sat)	8.6
Ca (ppm)	2,494	Ca (% Sat)	53.4
CEC	18.7		

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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)	120

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**COUNTY: Somerset** **# of Samples** 7

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**SOIL TEST RESULTS**

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RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	6.2		
P (ppm)	140		
K (ppm)	170	K (% Sat)	2.7
Mg (ppm)	156	Mg (% Sat)	6.6
Ca (ppm)	1,792	Ca (% Sat)	54.6
CEC	16.5		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	2857
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	120
MGO (LB/a)	74

**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>	2
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	45		
K (ppm)	133	K (% Sat)	3.2
Mg (ppm)	211	Mg (% Sat)	7.3
Ca (ppm)	992	Ca (% Sat)	46.7
CEC	10.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	120
MGO (LB/a)	0

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<b>COUNTY:</b>	<b>Susquehanna</b>	<b># of Samples</b>	9
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	7.0		
P (ppm)	101		
K (ppm)	242	K (% Sat)	4.8
Mg (ppm)	155	Mg (% Sat)	8.4
Ca (ppm)	1,176	Ca (% Sat)	42.8
CEC	14.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	65
K20 (LB/A)	81
MGO (LB/a)	74

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

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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	5.5		
Acidity (meq/100 g)	9.5		
P (ppm)	234		
K (ppm)	225	K (% Sat)	3.4
Mg (ppm)	183	Mg (% Sat)	8.8
Ca (ppm)	860	Ca (% Sat)	26.8
CEC	15.9		

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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)	82
MGO (LB/a)	0

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**COUNTY: Union** **# 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)	3.4		
P (ppm)	140		
K (ppm)	179	K (% Sat)	4.5
Mg (ppm)	122	Mg (% Sat)	6.0
Ca (ppm)	1,677	Ca (% Sat)	51.0
CEC	11.9		

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**SOIL TEST RECOMMENDATIONS**

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RECOMMENDATION	AVERAGE
LIME (lb/A)	833
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	85
MGO (LB/a)	113

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

---

COUNTY: **Venango** # of Samples **4**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.0		
P (ppm)	57		
K (ppm)	62	K (% Sat)	2.0
Mg (ppm)	77	Mg (% Sat)	4.2
Ca (ppm)	692	Ca (% Sat)	41.6
CEC	8.3		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	143
MGO (LB/a)	135

---

COUNTY: **Warren** # of Samples **4**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	4.0		
P (ppm)	193		
K (ppm)	267	K (% Sat)	4.2
Mg (ppm)	208	Mg (% Sat)	6.2
Ca (ppm)	2,068	Ca (% Sat)	58.7
CEC	16.6		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	140
MGO (LB/a)	120

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

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COUNTY: **Washington** # of Samples **19**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	4.0		
P (ppm)	57		
K (ppm)	168	K (% Sat)	2.9
Mg (ppm)	217	Mg (% Sat)	9.7
Ca (ppm)	2,453	Ca (% Sat)	55.3
CEC	15.0		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1053
N (lb/A)	
P2O5 (LB/A)	85
K20 (LB/A)	92
MGO (LB/a)	41

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COUNTY: **Wayne** # of Samples **6**

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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.0		
Acidity (meq/100 g)	10.4		
P (ppm)	104		
K (ppm)	90	K (% Sat)	1.5
Mg (ppm)	111	Mg (% Sat)	12.2
Ca (ppm)	874	Ca (% Sat)	27.2
CEC	15.9		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	124
MGO (LB/a)	58

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

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<b>COUNTY:</b>	<b>Westmoreland</b>	<b># of Samples</b>	14
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.5		
P (ppm)	81		
K (ppm)	149	K (% Sat)	2.5
Mg (ppm)	148	Mg (% Sat)	8.1
Ca (ppm)	1,710	Ca (% Sat)	48.0
CEC	14.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1429
N (lb/A)	
P2O5 (LB/A)	71
K20 (LB/A)	109
MGO (LB/a)	51

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<b>COUNTY:</b>	<b>Wyoming</b>	<b># of Samples</b>	11
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.5		
Acidity (meq/100 g)	6.2		
P (ppm)	125		
K (ppm)	115	K (% Sat)	2.6
Mg (ppm)	87	Mg (% Sat)	6.1
Ca (ppm)	938	Ca (% Sat)	40.1
CEC	11.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	107
MGO (LB/a)	104

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

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<b>COUNTY:</b>	<b>York</b>	<b># of Samples</b>	19
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**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.7		
P (ppm)	106		
K (ppm)	199	<b>K (% Sat)</b>	4.0
Mg (ppm)	207	<b>Mg (% Sat)</b>	7.3
Ca (ppm)	1,885	<b>Ca (% Sat)</b>	55.0
CEC	14.2		

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**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	57
K2O (LB/A)	113
MGO (LB/a)	27