

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

---

# of Samples                      600

---

**SOIL TEST RESULTS**

---

<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>
pH	6.0		
Acidity (meq/100 g)	4.8		
P (ppm)	116		
K (ppm)	161	K (% Sat)	3.1
Mg (ppm)	175	Mg (% Sat)	10.5
Ca (ppm)	1,559	Ca (% Sat)	51.0
CEC	13.8		

---

**SOIL TEST RECOMMENDATIONS**

---

<b>RECOMMENDATION</b>	<b>AVERAGE</b>
LIME (lb/A)	643
N (lb/A)	
P2O5 (LB/A)	69
K2O (LB/A)	99
MGO (LB/a)	47

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

---

COUNTY: **Adams** # of Samples **9**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.2		
P (ppm)	181		
K (ppm)	219	<b>K (% Sat)</b>	4.1
Mg (ppm)	208	<b>Mg (% Sat)</b>	2.6
Ca (ppm)	1,962	<b>Ca (% Sat)</b>	60.2
CEC	14.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	222
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	103
MGO (LB/a)	61

---

COUNTY: **Allegheny** # of Samples **26**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.7		
P (ppm)	99		
K (ppm)	126	<b>K (% Sat)</b>	2.2
Mg (ppm)	173	<b>Mg (% Sat)</b>	4.5
Ca (ppm)	1,722	<b>Ca (% Sat)</b>	51.2
CEC	14.6		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	846
N (lb/A)	
P2O5 (LB/A)	71
K20 (LB/A)	95
MGO (LB/a)	43

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

---

COUNTY: **Armstrong** # of Samples **3**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.3		
P (ppm)	29		
K (ppm)	178	K (% Sat)	3.2
Mg (ppm)	214	Mg (% Sat)	10.7
Ca (ppm)	1,329	Ca (% Sat)	47.2
CEC	14.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	667
N (lb/A)	
P2O5 (LB/A)	57
K20 (LB/A)	110
MGO (LB/a)	43

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.9		
P (ppm)	82		
K (ppm)	310	K (% Sat)	4.7
Mg (ppm)	263	Mg (% Sat)	15.6
Ca (ppm)	2,278	Ca (% Sat)	60.4
CEC	17.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	67
MGO (LB/a)	27

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

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.2		
P (ppm)	137		
K (ppm)	201	K (% Sat)	2.7
Mg (ppm)	224	Mg (% Sat)	10.4
Ca (ppm)	1,908	Ca (% Sat)	52.7
CEC	16.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	98
MGO (LB/a)	27

---

COUNTY: **Berks** # of Samples **23**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.0		
P (ppm)	149		
K (ppm)	125	K (% Sat)	2.4
Mg (ppm)	151	Mg (% Sat)	2.2
Ca (ppm)	1,456	Ca (% Sat)	45.8
CEC	14.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	391
N (lb/A)	
P2O5 (LB/A)	58
K20 (LB/A)	119
MGO (LB/a)	70

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

---

COUNTY: **Blair** # of Samples **9**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	3.9		
P (ppm)	143		
K (ppm)	318	K (% Sat)	4.0
Mg (ppm)	295	Mg (% Sat)	6.5
Ca (ppm)	2,575	Ca (% Sat)	61.7
CEC	17.8		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	93
K20 (LB/A)	84
MGO (LB/a)	16

---

COUNTY: **Bradford** # of Samples **9**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	7.2		
P (ppm)	142		
K (ppm)	187	K (% Sat)	3.1
Mg (ppm)	151	Mg (% Sat)	5.4
Ca (ppm)	1,614	Ca (% Sat)	44.7
CEC	16.1		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	1222
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	120
MGO (LB/a)	129

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

---

<b>COUNTY:</b>	<b>Bucks</b>	<b># of Samples</b>	29
----------------	--------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.8		
P (ppm)	112		
K (ppm)	128	K (% Sat)	2.6
Mg (ppm)	217	Mg (% Sat)	2.2
Ca (ppm)	1,483	Ca (% Sat)	51.2
CEC	13.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	441
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	106
MGO (LB/a)	55

---

<b>COUNTY:</b>	<b>Butler</b>	<b># of Samples</b>	24
----------------	---------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.6		
P (ppm)	110		
K (ppm)	143	K (% Sat)	2.9
Mg (ppm)	119	Mg (% Sat)	8.0
Ca (ppm)	1,702	Ca (% Sat)	52.2
CEC	13.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1125
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	99
MGO (LB/a)	50

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

---

COUNTY: **Cambria** # of Samples **4**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.8		
Acidity (meq/100 g)	1.5		
P (ppm)	181		
K (ppm)	301	K (% Sat)	4.5
Mg (ppm)	302	Mg (% Sat)	10.9
Ca (ppm)	2,710	Ca (% Sat)	69.2
CEC	15.6		

---

**SOIL TEST RECOMMENDATIONS**

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

---

COUNTY: **Carbon** # of Samples **4**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	3.1		
P (ppm)	108		
K (ppm)	99	K (% Sat)	2.6
Mg (ppm)	196	Mg (% Sat)	7.8
Ca (ppm)	1,386	Ca (% Sat)	49.1
CEC	11.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	3125
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	95
MGO (LB/a)	47

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

---

**COUNTY: Centre** **# of Samples** 23

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.7		
P (ppm)	181		
K (ppm)	156	K (% Sat)	2.6
Mg (ppm)	183	Mg (% Sat)	4.9
Ca (ppm)	2,400	Ca (% Sat)	54.9
CEC	16.5		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	261
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	104
MGO (LB/a)	72

---

**COUNTY: Chester** **# of Samples** 17

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	142		
K (ppm)	231	K (% Sat)	4.7
Mg (ppm)	247	Mg (% Sat)	6.4
Ca (ppm)	1,641	Ca (% Sat)	59.8
CEC	12.8		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	212
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	90
MGO (LB/a)	2



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

---

COUNTY: **Clearfield** # of Samples **7**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	6.0		
P (ppm)	59		
K (ppm)	125	K (% Sat)	2.3
Mg (ppm)	179	Mg (% Sat)	6.2
Ca (ppm)	1,185	Ca (% Sat)	46.5
CEC	13.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	104
MGO (LB/a)	77

---

COUNTY: **Columbia** # of Samples **5**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.3		
Acidity (meq/100 g)	9.8		
P (ppm)	191		
K (ppm)	112	K (% Sat)	2.3
Mg (ppm)	87	Mg (% Sat)	4.8
Ca (ppm)	813	Ca (% Sat)	33.4
CEC	14.4		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	105
MGO (LB/a)	76

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

---

COUNTY: **Crawford** # of Samples **9**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.2		
P (ppm)	65		
K (ppm)	149	K (% Sat)	2.9
Mg (ppm)	143	Mg (% Sat)	4.4
Ca (ppm)	1,874	Ca (% Sat)	64.3
CEC	13.4		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	444
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	96
MGO (LB/a)	58

---

COUNTY: **Cumberland** # of Samples **7**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	6.1		
P (ppm)	63		
K (ppm)	140	K (% Sat)	3.1
Mg (ppm)	133	Mg (% Sat)	3.9
Ca (ppm)	1,232	Ca (% Sat)	48.6
CEC	13.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	429
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	112
MGO (LB/a)	66

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

---

COUNTY: **Dauphin** # of Samples **12**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	4.7		
P (ppm)	65		
K (ppm)	117	K (% Sat)	3.2
Mg (ppm)	102	Mg (% Sat)	4.1
Ca (ppm)	897	Ca (% Sat)	44.6
CEC	10.3		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1333
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	86
MGO (LB/a)	55

---

COUNTY: **Delaware** # of Samples **4**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	10.0		
P (ppm)	171		
K (ppm)	103	K (% Sat)	1.3
Mg (ppm)	275	Mg (% Sat)	5.3
Ca (ppm)	1,899	Ca (% Sat)	43.6
CEC	21.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	96
MGO (LB/a)	10

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

---

<b>COUNTY:</b>	<b>Eik</b>	<b># of Samples</b>	10
----------------	------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.8		
P (ppm)	60		
K (ppm)	142	K (% Sat)	2.5
Mg (ppm)	162	Mg (% Sat)	1.1
Ca (ppm)	1,286	Ca (% Sat)	45.0
CEC	14.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	400
N (lb/A)	
P2O5 (LB/A)	58
K20 (LB/A)	90
MGO (LB/a)	46

---

<b>COUNTY:</b>	<b>Erie</b>	<b># of Samples</b>	56
----------------	-------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.0		
P (ppm)	79		
K (ppm)	132	K (% Sat)	2.8
Mg (ppm)	128	Mg (% Sat)	5.3
Ca (ppm)	1,215	Ca (% Sat)	47.1
CEC	12.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	971
N (lb/A)	
P2O5 (LB/A)	66
K20 (LB/A)	95
MGO (LB/a)	28

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

---

<b>COUNTY:</b>	<b>Fayette</b>	<b># of Samples</b>	11
----------------	----------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.5		
P (ppm)	36		
K (ppm)	138	K (% Sat)	2.9
Mg (ppm)	182	Mg (% Sat)	3.8
Ca (ppm)	1,289	Ca (% Sat)	51.8
CEC	12.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	545
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	89
MGO (LB/a)	36

---

<b>COUNTY:</b>	<b>Forest</b>	<b># of Samples</b>	4
----------------	---------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	7.1		
P (ppm)	131		
K (ppm)	237	K (% Sat)	4.0
Mg (ppm)	166	Mg (% Sat)	2.8
Ca (ppm)	1,320	Ca (% Sat)	38.6
CEC	15.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	120
MGO (LB/a)	177

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

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.8		
P (ppm)	149		
K (ppm)	280	K (% Sat)	3.8
Mg (ppm)	232	Mg (% Sat)	4.3
Ca (ppm)	2,499	Ca (% Sat)	57.5
CEC	16.4		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	87
MGO (LB/a)	47

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	5.1		
P (ppm)	129		
K (ppm)	98	K (% Sat)	2.1
Mg (ppm)	120	Mg (% Sat)	8.3
Ca (ppm)	1,147	Ca (% Sat)	47.5
CEC	12.1		

---

**SOIL TEST RECOMMENDATIONS**

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

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

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.1		
P (ppm)	23		
K (ppm)	141	K (% Sat)	2.4
Mg (ppm)	114	Mg (% Sat)	6.4
Ca (ppm)	1,690	Ca (% Sat)	56.9
CEC	14.9		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	50
MGO (LB/a)	20

---

COUNTY: **Huntingdon** # of Samples **8**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	4.7		
P (ppm)	69		
K (ppm)	111	K (% Sat)	2.5
Mg (ppm)	111	Mg (% Sat)	3.0
Ca (ppm)	982	Ca (% Sat)	44.9
CEC	10.8		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	85
K20 (LB/A)	128
MGO (LB/a)	89

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

---

COUNTY: **Indiana** # of Samples **7**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.4		
P (ppm)	149		
K (ppm)	203	K (% Sat)	3.4
Mg (ppm)	200	Mg (% Sat)	11.1
Ca (ppm)	1,727	Ca (% Sat)	52.4
CEC	14.8		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	286
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	118
MGO (LB/a)	46

---

COUNTY: **Jefferson** # of Samples **2**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	5.8		
P (ppm)	31		
K (ppm)	129	K (% Sat)	2.9
Mg (ppm)	133	Mg (% Sat)	4.5
Ca (ppm)	828	Ca (% Sat)	35.9
CEC	11.3		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1500
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	110
MGO (LB/a)	65



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

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.4		
P (ppm)	152		
K (ppm)	187	K (% Sat)	3.8
Mg (ppm)	139	Mg (% Sat)	10.9
Ca (ppm)	2,438	Ca (% Sat)	73.8
CEC	13.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	
MGO (LB/a)	0

---

COUNTY: **LACKAWANNA** # of Samples **17**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.6		
P (ppm)	213		
K (ppm)	125	K (% Sat)	2.6
Mg (ppm)	158	Mg (% Sat)	7.5
Ca (ppm)	1,203	Ca (% Sat)	48.3
CEC	12.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1176
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	88
MGO (LB/a)	13

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

---

COUNTY: **Lancaster** # of Samples **8**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.3		
P (ppm)	117		
K (ppm)	144	K (% Sat)	2.2
Mg (ppm)	256	Mg (% Sat)	4.2
Ca (ppm)	2,195	Ca (% Sat)	64.4
CEC	16.6		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	92
MGO (LB/a)	42

---

COUNTY: **Lawrence** # of Samples **3**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	3.6		
P (ppm)	114		
K (ppm)	154	K (% Sat)	2.4
Mg (ppm)	186	Mg (% Sat)	5.3
Ca (ppm)	2,649	Ca (% Sat)	64.6
CEC	16.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	75
MGO (LB/a)	25

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

---

COUNTY: **Lebanon** # of Samples **1**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.2		
Acidity (meq/100 g)	0.0		
P (ppm)	59		
K (ppm)	189	K (% Sat)	3.3
Mg (ppm)	275	Mg (% Sat)	15.5
Ca (ppm)	2,408	Ca (% Sat)	81.3
CEC	14.8		

---

**SOIL TEST RECOMMENDATIONS**

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

---

COUNTY: **Lehigh** # of Samples **30**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.0		
P (ppm)	105		
K (ppm)	202	K (% Sat)	4.9
Mg (ppm)	205	Mg (% Sat)	13.1
Ca (ppm)	965	Ca (% Sat)	44.1
CEC	11.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	700
N (lb/A)	
P2O5 (LB/A)	95
K20 (LB/A)	94
MGO (LB/a)	25

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

---

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

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.9		
Acidity (meq/100 g)	8.7		
P (ppm)	162		
K (ppm)	87	K (% Sat)	1.7
Mg (ppm)	95	Mg (% Sat)	1.9
Ca (ppm)	764	Ca (% Sat)	28.4
CEC	13.5		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	118
MGO (LB/a)	60

---

COUNTY: **Lycoming** # of Samples **11**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.2		
P (ppm)	206		
K (ppm)	138	K (% Sat)	3.2
Mg (ppm)	105	Mg (% Sat)	1.5
Ca (ppm)	1,327	Ca (% Sat)	49.6
CEC	11.9		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	1773
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	105
MGO (LB/a)	112

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

---

COUNTY: **Mercer** # of Samples **4**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.9		
P (ppm)	58		
K (ppm)	156	K (% Sat)	3.4
Mg (ppm)	146	Mg (% Sat)	3.9
Ca (ppm)	1,447	Ca (% Sat)	57.4
CEC	12.8		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	68
MGO (LB/a)	33

---

COUNTY: **Mifflin** # of Samples **1**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.9		
Acidity (meq/100 g)	0.0		
P (ppm)	44		
K (ppm)	190	K (% Sat)	6.1
Mg (ppm)	117	Mg (% Sat)	12.3
Ca (ppm)	1,294	Ca (% Sat)	81.6
CEC	7.9		

---

**SOIL TEST RECOMMENDATIONS**

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

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

---

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

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.9		
Acidity (meq/100 g)	1.0		
P (ppm)	21		
K (ppm)	92	K (% Sat)	2.6
Mg (ppm)	60	Mg (% Sat)	7.2
Ca (ppm)	1,466	Ca (% Sat)	69.8
CEC	9.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	110
MGO (LB/a)	25

---

COUNTY: **Montgomery** # of Samples **16**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	4.3		
P (ppm)	130		
K (ppm)	190	K (% Sat)	2.7
Mg (ppm)	317	Mg (% Sat)	13.0
Ca (ppm)	2,141	Ca (% Sat)	57.3
CEC	17.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	900
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	108
MGO (LB/a)	11

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

---

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

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.7		
P (ppm)	189		
K (ppm)	258	K (% Sat)	3.3
Mg (ppm)	191	Mg (% Sat)	8.7
Ca (ppm)	2,578	Ca (% Sat)	68.8
CEC	18.0		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	87
MGO (LB/a)	33

---

COUNTY: **Northampton** # of Samples **5**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.9		
P (ppm)	56		
K (ppm)	114	K (% Sat)	2.2
Mg (ppm)	186	Mg (% Sat)	2.3
Ca (ppm)	1,373	Ca (% Sat)	48.2
CEC	12.6		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	1600
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	116
MGO (LB/a)	65

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

---

COUNTY: **Northumberland** # of Samples **1**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	4.5		
P (ppm)	54		
K (ppm)	150	K (% Sat)	2.7
Mg (ppm)	166	Mg (% Sat)	9.7
Ca (ppm)	1,610	Ca (% Sat)	56.2
CEC	14.3		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	3000
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	60
MGO (LB/a)	0

---

COUNTY: **Perry** # of Samples **12**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	192		
K (ppm)	169	K (% Sat)	2.9
Mg (ppm)	223	Mg (% Sat)	4.9
Ca (ppm)	2,228	Ca (% Sat)	60.5
CEC	15.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	250
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	86
MGO (LB/a)	3



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

---

<b>COUNTY:</b>	<b>Philadelphia</b>	<b># of Samples</b>	5
----------------	---------------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	5.6		
P (ppm)	261		
K (ppm)	133	K (% Sat)	2.1
Mg (ppm)	330	Mg (% Sat)	1.5
Ca (ppm)	2,438	Ca (% Sat)	59.0
CEC	18.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	110
MGO (LB/a)	85

---

<b>COUNTY:</b>	<b>Pike</b>	<b># of Samples</b>	3
----------------	-------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.4		
P (ppm)	101		
K (ppm)	132	K (% Sat)	2.8
Mg (ppm)	77	Mg (% Sat)	4.6
Ca (ppm)	1,321	Ca (% Sat)	54.5
CEC	12.0		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	100
MGO (LB/a)	160

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

---

COUNTY: **Potter** # of Samples **3**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.6		
P (ppm)	80		
K (ppm)	217	K (% Sat)	3.8
Mg (ppm)	118	Mg (% Sat)	3.5
Ca (ppm)	1,531	Ca (% Sat)	46.4
CEC	14.5		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	1333
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	110
MGO (LB/a)	67

---

COUNTY: **Schuylkill** # of Samples **1**

---

**SOIL TEST RESULTS**

---

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.1		
Acidity (meq/100 g)	9.9		
P (ppm)	16		
K (ppm)	141	K (% Sat)	3.0
Mg (ppm)	52	Mg (% Sat)	3.7
Ca (ppm)	233	Ca (% Sat)	9.8
CEC	11.9		

---

**SOIL TEST RECOMMENDATIONS**

---

RECOMMENDATION	AVERAGE
LIME (lb/A)	6000
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	60
MGO (LB/a)	20

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

---

COUNTY: **Snyder** # of Samples 13

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.3		
P (ppm)	114		
K (ppm)	191	K (% Sat)	4.2
Mg (ppm)	133	Mg (% Sat)	7.6
Ca (ppm)	1,445	Ca (% Sat)	64.2
CEC	11.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	538
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	80
MGO (LB/a)	56

---

COUNTY: **Somerset** # of Samples 5

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.8		
Acidity (meq/100 g)	3.5		
P (ppm)	98		
K (ppm)	109	K (% Sat)	1.8
Mg (ppm)	151	Mg (% Sat)	2.9
Ca (ppm)	2,023	Ca (% Sat)	68.0
CEC	15.1		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	2800
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	108
MGO (LB/a)	55

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

---

<b>COUNTY:</b>	<b>Sullivan</b>	<b># of Samples</b>	3
----------------	-----------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	8.1		
P (ppm)	49		
K (ppm)	119	K (% Sat)	2.6
Mg (ppm)	57	Mg (% Sat)	4.0
Ca (ppm)	612	Ca (% Sat)	25.7
CEC	11.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	73
MGO (LB/a)	127

---

<b>COUNTY:</b>	<b>Susquehanna</b>	<b># of Samples</b>	17
----------------	--------------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.9		
P (ppm)	105		
K (ppm)	154	K (% Sat)	2.6
Mg (ppm)	161	Mg (% Sat)	4.9
Ca (ppm)	1,594	Ca (% Sat)	48.9
CEC	15.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	941
N (lb/A)	
P2O5 (LB/A)	69
K20 (LB/A)	93
MGO (LB/a)	26

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

---

<b>COUNTY:</b>	<b>Tioga</b>	<b># of Samples</b>	4
----------------	--------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.8		
P (ppm)	71		
K (ppm)	117	K (% Sat)	2.1
Mg (ppm)	130	Mg (% Sat)	8.2
Ca (ppm)	1,244	Ca (% Sat)	44.5
CEC	14.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	1250
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	89
MGO (LB/a)	8

---

<b>COUNTY:</b>	<b>Warren</b>	<b># of Samples</b>	2
----------------	---------------	---------------------	---

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	5.1		
P (ppm)	19		
K (ppm)	79	K (% Sat)	1.6
Mg (ppm)	106	Mg (% Sat)	5.7
Ca (ppm)	1,387	Ca (% Sat)	52.0
CEC	13.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	115
MGO (LB/a)	40

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

---

COUNTY: **Washington** # of Samples **24**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.3		
P (ppm)	122		
K (ppm)	315	K (% Sat)	4.9
Mg (ppm)	232	Mg (% Sat)	7.7
Ca (ppm)	1,940	Ca (% Sat)	50.1
CEC	15.4		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	833
N (lb/A)	
P2O5 (LB/A)	76
K20 (LB/A)	99
MGO (LB/a)	41

---

COUNTY: **Wayne** # of Samples **3**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.7		
P (ppm)	114		
K (ppm)	113	K (% Sat)	2.3
Mg (ppm)	123	Mg (% Sat)	11.0
Ca (ppm)	919	Ca (% Sat)	33.3
CEC	12.6		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	125
MGO (LB/a)	7

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

---

COUNTY: **Westmoreland** # of Samples **24**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.9		
P (ppm)	74		
K (ppm)	108	K (% Sat)	2.1
Mg (ppm)	123	Mg (% Sat)	1.6
Ca (ppm)	1,213	Ca (% Sat)	45.2
CEC	13.2		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	72
K20 (LB/A)	100
MGO (LB/a)	55

---

COUNTY: **Wyoming** # of Samples **14**

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	5.4		
P (ppm)	78		
K (ppm)	116	K (% Sat)	2.9
Mg (ppm)	108	Mg (% Sat)	8.8
Ca (ppm)	796	Ca (% Sat)	39.8
CEC	10.5		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	429
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	114
MGO (LB/a)	52

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

---

<b>COUNTY:</b>	<b>York</b>	<b># of Samples</b>	17
----------------	-------------	---------------------	----

---

**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.5		
P (ppm)	143		
K (ppm)	172	K (% Sat)	3.3
Mg (ppm)	222	Mg (% Sat)	8.9
Ca (ppm)	1,860	Ca (% Sat)	60.0
CEC	14.7		

---

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (lb/A)	441
N (lb/A)	
P2O5 (LB/A)	58
K2O (LB/A)	86
MGO (LB/a)	45