

**SUMMARY REPORT
SOIL TEST RESULTS-AVERAGES**

Small Fruits

2009/2010

of Samples 668

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.7		
P (ppm)	137		
K (ppm)	198	K (% Sat)	3.5
Mg (ppm)	185	Mg (% Sat)	6.8
Ca (ppm)	1,576	Ca (% Sat)	50.0
CEC	13.9		

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

Small Fruits

2009/2010

COUNTY: Adams **# of Samples** 17

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	4.6		
P (ppm)	179		
K (ppm)	163	K (% Sat)	3.1
Mg (ppm)	180	Mg (% Sat)	4.1
Ca (ppm)	1,575	Ca (% Sat)	50.0
CEC	13.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1176
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	90
MGO (LB/a)	13

COUNTY: Allegheny **# of Samples** 14

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	6.3		
P (ppm)	128		
K (ppm)	177	K (% Sat)	2.4
Mg (ppm)	240	Mg (% Sat)	7.4
Ca (ppm)	2,637	Ca (% Sat)	52.2
CEC	18.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	643
N (lb/A)	
P2O5 (LB/A)	95
K20 (LB/A)	122
MGO (LB/a)	57

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

Small Fruits

2009/2010

COUNTY: Armstrong **# of Samples** 10

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.9		
P (ppm)	58		
K (ppm)	150	K (% Sat)	2.6
Mg (ppm)	134	Mg (% Sat)	3.3
Ca (ppm)	1,350	Ca (% Sat)	39.5
CEC	14.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2900
N (lb/A)	
P2O5 (LB/A)	76
K20 (LB/A)	106
MGO (LB/a)	18

COUNTY: Beaver **# of Samples** 6

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.8		
P (ppm)	63		
K (ppm)	103	K (% Sat)	2.4
Mg (ppm)	177	Mg (% Sat)	5.2
Ca (ppm)	1,837	Ca (% Sat)	61.4
CEC	13.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1333
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	116
MGO (LB/a)	32

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

Small Fruits

2009/2010

COUNTY: Bedford **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	4.6		
P (ppm)	67		
K (ppm)	172	K (% Sat)	3.5
Mg (ppm)	115	Mg (% Sat)	2.9
Ca (ppm)	1,397	Ca (% Sat)	59.1
CEC	12.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K2O (LB/A)	75
MGO (LB/a)	127

COUNTY: Berks **# of Samples** 20

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.4		
P (ppm)	208		
K (ppm)	181	K (% Sat)	3.0
Mg (ppm)	209	Mg (% Sat)	4.3
Ca (ppm)	2,059	Ca (% Sat)	53.3
CEC	15.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	450
N (lb/A)	
P2O5 (LB/A)	78
K2O (LB/A)	93
MGO (LB/a)	79

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Blair

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.6		
P (ppm)	194		
K (ppm)	230	K (% Sat)	5.0
Mg (ppm)	270	Mg (% Sat)	8.4
Ca (ppm)	1,330	Ca (% Sat)	52.4
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	
MGO (LB/a)	320

COUNTY: Bradford

of Samples

10

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.7		
P (ppm)	167		
K (ppm)	172	K (% Sat)	2.9
Mg (ppm)	148	Mg (% Sat)	4.9
Ca (ppm)	1,730	Ca (% Sat)	48.3
CEC	15.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	105
MGO (LB/a)	53

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Bucks **# of Samples** 17

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.8		
P (ppm)	123		
K (ppm)	133	K (% Sat)	2.8
Mg (ppm)	210	Mg (% Sat)	6.2
Ca (ppm)	1,134	Ca (% Sat)	44.3
CEC	13.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	471
N (lb/A)	
P2O5 (LB/A)	68
K20 (LB/A)	110
MGO (LB/a)	38

COUNTY: Butler **# of Samples** 24

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.5		
P (ppm)	73		
K (ppm)	158	K (% Sat)	3.5
Mg (ppm)	108	Mg (% Sat)	7.5
Ca (ppm)	1,074	Ca (% Sat)	47.0
CEC	11.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	875
N (lb/A)	
P2O5 (LB/A)	78
K20 (LB/A)	107
MGO (LB/a)	90

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Cambria **# of Samples** 14

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	7.0		
P (ppm)	159		
K (ppm)	196	K (% Sat)	3.5
Mg (ppm)	171	Mg (% Sat)	2.4
Ca (ppm)	1,200	Ca (% Sat)	39.7
CEC	14.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1714
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	76
MGO (LB/a)	93

COUNTY: Cameron **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.7		
P (ppm)	48		
K (ppm)	131	K (% Sat)	2.8
Mg (ppm)	100	Mg (% Sat)	7.9
Ca (ppm)	1,107	Ca (% Sat)	45.0
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	78
MGO (LB/a)	67

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

Small Fruits

2009/2010

COUNTY: Carbon

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	1.4		
P (ppm)	46		
K (ppm)	102	K (% Sat)	3.3
Mg (ppm)	139	Mg (% Sat)	18.0
Ca (ppm)	1,032	Ca (% Sat)	65.2
CEC	8.0		

SOIL TEST RECOMMENDATIONS

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

COUNTY: Centre

of Samples

17

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.8		
P (ppm)	130		
K (ppm)	221	K (% Sat)	3.7
Mg (ppm)	207	Mg (% Sat)	11.6
Ca (ppm)	1,954	Ca (% Sat)	51.7
CEC	16.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	176
N (lb/A)	
P2O5 (LB/A)	72
K20 (LB/A)	100
MGO (LB/a)	51

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

Small Fruits

2009/2010

COUNTY: Chester

of Samples

13

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.1		
P (ppm)	106		
K (ppm)	259	K (% Sat)	5.1
Mg (ppm)	244	Mg (% Sat)	4.5
Ca (ppm)	1,600	Ca (% Sat)	54.3
CEC	13.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	94
MGO (LB/a)	61

COUNTY: Clarion

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	130		
K (ppm)	146	K (% Sat)	2.1
Mg (ppm)	183	Mg (% Sat)	10.0
Ca (ppm)	2,227	Ca (% Sat)	70.8
CEC	15.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	160
MGO (LB/a)	20

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

Small Fruits

2009/2010

COUNTY: Clearfield **# of Samples** 4

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	6.1		
P (ppm)	141		
K (ppm)	241	K (% Sat)	3.4
Mg (ppm)	326	Mg (% Sat)	17.3
Ca (ppm)	1,685	Ca (% Sat)	45.4
CEC	17.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	93
MGO (LB/a)	80

COUNTY: Clinton **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.9		
Acidity (meq/100 g)	2.1		
P (ppm)	154		
K (ppm)	404	K (% Sat)	6.5
Mg (ppm)	270	Mg (% Sat)	5.4
Ca (ppm)	2,086	Ca (% Sat)	65.9
CEC	15.8		

SOIL TEST RECOMMENDATIONS

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

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

Small Fruits

2009/2010

COUNTY: Columbia **# of Samples** 10

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.0		
P (ppm)	213		
K (ppm)	141	K (% Sat)	3.1
Mg (ppm)	104	Mg (% Sat)	6.3
Ca (ppm)	858	Ca (% Sat)	38.6
CEC	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2400
N (lb/A)	
P2O5 (LB/A)	40
K20 (LB/A)	124
MGO (LB/a)	147

COUNTY: Crawford **# of Samples** 9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	82		
K (ppm)	158	K (% Sat)	3.5
Mg (ppm)	184	Mg (% Sat)	6.0
Ca (ppm)	1,326	Ca (% Sat)	53.7
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1689
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	132
MGO (LB/a)	86

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

Small Fruits

2009/2010

COUNTY: Cumberland **# of Samples** 12

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.4		
P (ppm)	168		
K (ppm)	255	K (% Sat)	4.1
Mg (ppm)	196	Mg (% Sat)	4.2
Ca (ppm)	2,090	Ca (% Sat)	59.6
CEC	15.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	167
N (lb/A)	
P2O5 (LB/A)	63
K20 (LB/A)	120
MGO (LB/a)	36

COUNTY: Dauphin **# of Samples** 20

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	113		
K (ppm)	172	K (% Sat)	3.5
Mg (ppm)	187	Mg (% Sat)	6.5
Ca (ppm)	1,559	Ca (% Sat)	56.6
CEC	13.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	300
N (lb/A)	
P2O5 (LB/A)	40
K20 (LB/A)	104
MGO (LB/a)	55

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

Small Fruits

2009/2010

COUNTY: Delaware

of Samples

1

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	3.3		
P (ppm)	102		
K (ppm)	53	K (% Sat)	2.3
Mg (ppm)	96	Mg (% Sat)	13.7
Ca (ppm)	319	Ca (% Sat)	27.4
CEC	5.8		

SOIL TEST RECOMMENDATIONS

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

COUNTY: Elk

of Samples

4

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	5.4		
P (ppm)	200		
K (ppm)	1,387	K (% Sat)	11.1
Mg (ppm)	451	Mg (% Sat)	2.5
Ca (ppm)	3,191	Ca (% Sat)	40.0
CEC	21.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	125
MGO (LB/a)	140

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

Small Fruits

2009/2010

COUNTY: Erie **# of Samples** 50

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	5.7		
P (ppm)	137		
K (ppm)	142	K (% Sat)	3.0
Mg (ppm)	148	Mg (% Sat)	5.2
Ca (ppm)	1,029	Ca (% Sat)	39.9
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1914
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	100
MGO (LB/a)	15

COUNTY: Fayette **# of Samples** 9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.8		
P (ppm)	234		
K (ppm)	331	K (% Sat)	4.1
Mg (ppm)	280	Mg (% Sat)	7.0
Ca (ppm)	2,715	Ca (% Sat)	58.7
CEC	19.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	86
MGO (LB/a)	40

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

Small Fruits

2009/2010

COUNTY: Forest **# of Samples** 5

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.2		
P (ppm)	105		
K (ppm)	145	K (% Sat)	3.0
Mg (ppm)	163	Mg (% Sat)	5.9
Ca (ppm)	1,070	Ca (% Sat)	45.5
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2600
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	93
MGO (LB/a)	10

COUNTY: Franklin **# of Samples** 15

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	3.8		
P (ppm)	154		
K (ppm)	286	K (% Sat)	4.5
Mg (ppm)	205	Mg (% Sat)	10.1
Ca (ppm)	2,075	Ca (% Sat)	59.5
CEC	15.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	76
MGO (LB/a)	59

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Fulton **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.1		
Acidity (meq/100 g)	7.1		
P (ppm)	324		
K (ppm)	207	K (% Sat)	3.9
Mg (ppm)	188	Mg (% Sat)	12.3
Ca (ppm)	847	Ca (% Sat)	33.1
CEC	13.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	
MGO (LB/a)	20

COUNTY: Greene **# of Samples** 1

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.8		
Acidity (meq/100 g)	8.1		
P (ppm)	34		
K (ppm)	124	K (% Sat)	2.6
Mg (ppm)	106	Mg (% Sat)	7.1
Ca (ppm)	620	Ca (% Sat)	25.0
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	75
MGO (LB/a)	30

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

Small Fruits

2009/2010

COUNTY: Huntingdon

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.1		
P (ppm)	71		
K (ppm)	86	K (% Sat)	1.5
Mg (ppm)	171	Mg (% Sat)	12.1
Ca (ppm)	3,626	Ca (% Sat)	80.8
CEC	15.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	110
MGO (LB/a)	30

COUNTY: Indiana

of Samples

11

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.3		
P (ppm)	107		
K (ppm)	201	K (% Sat)	3.2
Mg (ppm)	167	Mg (% Sat)	2.8
Ca (ppm)	1,726	Ca (% Sat)	49.1
CEC	16.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	78
K20 (LB/A)	104
MGO (LB/a)	95

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Jefferson **# of Samples** 1

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.1		
Acidity (meq/100 g)	0.0		
P (ppm)	27		
K (ppm)	62	K (% Sat)	1.0
Mg (ppm)	110	Mg (% Sat)	5.7
Ca (ppm)	3,202	Ca (% Sat)	93.3
CEC	16.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	140
MGO (LB/a)	20

COUNTY: Juniata **# of Samples** 5

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.8		
Acidity (meq/100 g)	0.8		
P (ppm)	353		
K (ppm)	386	K (% Sat)	7.0
Mg (ppm)	284	Mg (% Sat)	19.2
Ca (ppm)	2,780	Ca (% Sat)	70.7
CEC	14.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	400
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	
MGO (LB/a)	0

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Lackawanna **# of Samples** 13

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.3		
P (ppm)	233		
K (ppm)	127	K (% Sat)	2.8
Mg (ppm)	104	Mg (% Sat)	3.1
Ca (ppm)	1,206	Ca (% Sat)	51.2
CEC	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1115
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	104
MGO (LB/a)	38

COUNTY: LANCASTER **# of Samples** 13

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.9		
P (ppm)	289		
K (ppm)	350	K (% Sat)	5.0
Mg (ppm)	304	Mg (% Sat)	18.8
Ca (ppm)	2,357	Ca (% Sat)	62.5
CEC	16.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	70
MGO (LB/a)	45

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

Small Fruits

2009/2010

COUNTY: Lawrence **# of Samples** 7

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	6.1		
P (ppm)	121		
K (ppm)	262	K (% Sat)	4.7
Mg (ppm)	163	Mg (% Sat)	12.1
Ca (ppm)	1,544	Ca (% Sat)	42.8
CEC	14.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	30
K20 (LB/A)	110
MGO (LB/a)	95

COUNTY: Lebanon **# of Samples** 7

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.8		
P (ppm)	257		
K (ppm)	508	K (% Sat)	6.0
Mg (ppm)	323	Mg (% Sat)	17.6
Ca (ppm)	3,003	Ca (% Sat)	63.4
CEC	18.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	90
K20 (LB/A)	70
MGO (LB/a)	25

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

Small Fruits

2009/2010

COUNTY: Lehigh

of Samples

41

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	88		
K (ppm)	185	K (% Sat)	4.1
Mg (ppm)	239	Mg (% Sat)	9.6
Ca (ppm)	1,364	Ca (% Sat)	50.9
CEC	11.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	671
N (lb/A)	
P2O5 (LB/A)	51
K20 (LB/A)	82
MGO (LB/a)	20

COUNTY: Luzerne

of Samples

17

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.7		
P (ppm)	116		
K (ppm)	141	K (% Sat)	3.0
Mg (ppm)	129	Mg (% Sat)	5.4
Ca (ppm)	1,274	Ca (% Sat)	54.6
CEC	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	847
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	119
MGO (LB/a)	45

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

Small Fruits

2009/2010

COUNTY: Lycoming **# of Samples** 10

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.4		
P (ppm)	138		
K (ppm)	133	K (% Sat)	2.5
Mg (ppm)	140	Mg (% Sat)	2.4
Ca (ppm)	1,333	Ca (% Sat)	45.2
CEC	14.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	37
K20 (LB/A)	107
MGO (LB/a)	47

COUNTY: McKean **# of Samples** 2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.1		
Acidity (meq/100 g)	8.7		
P (ppm)	8		
K (ppm)	63	K (% Sat)	1.2
Mg (ppm)	96	Mg (% Sat)	4.5
Ca (ppm)	814	Ca (% Sat)	30.0
CEC	13.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3750
N (lb/A)	
P2O5 (LB/A)	95
K20 (LB/A)	140
MGO (LB/a)	55

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

Small Fruits

2009/2010

COUNTY: Mercer **# of Samples** 8

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.2		
P (ppm)	205		
K (ppm)	448	K (% Sat)	6.0
Mg (ppm)	199	Mg (% Sat)	6.6
Ca (ppm)	2,121	Ca (% Sat)	60.4
CEC	15.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	750
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	98
MGO (LB/a)	110

COUNTY: Mifflin **# of Samples** 2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.0		
P (ppm)	148		
K (ppm)	156	K (% Sat)	3.8
Mg (ppm)	117	Mg (% Sat)	8.4
Ca (ppm)	1,405	Ca (% Sat)	59.1
CEC	11.3		

SOIL TEST RECOMMENDATIONS

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

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

Small Fruits

2009/2010

COUNTY: Monroe

of Samples

9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	1.7		
P (ppm)	90		
K (ppm)	103	K (% Sat)	2.5
Mg (ppm)	186	Mg (% Sat)	5.5
Ca (ppm)	1,506	Ca (% Sat)	62.3
CEC	10.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	60
K20 (LB/A)	114
MGO (LB/a)	138

COUNTY: Montgomery

of Samples

18

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.3		
P (ppm)	112		
K (ppm)	213	K (% Sat)	3.6
Mg (ppm)	226	Mg (% Sat)	8.9
Ca (ppm)	1,426	Ca (% Sat)	44.6
CEC	14.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2417
N (lb/A)	
P2O5 (LB/A)	75
K20 (LB/A)	110
MGO (LB/a)	43

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Montour

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.4		
P (ppm)	90		
K (ppm)	297	K (% Sat)	6.3
Mg (ppm)	174	Mg (% Sat)	9.1
Ca (ppm)	1,742	Ca (% Sat)	71.0
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	
MGO (LB/a)	180

COUNTY: Northampton

of Samples

9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.5		
P (ppm)	78		
K (ppm)	217	K (% Sat)	3.9
Mg (ppm)	219	Mg (% Sat)	6.5
Ca (ppm)	1,681	Ca (% Sat)	57.3
CEC	14.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	100
K20 (LB/A)	103
MGO (LB/a)	60

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

Small Fruits

2009/2010

COUNTY: Northumberland **# of Samples** 7

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	195		
K (ppm)	279	K (% Sat)	5.5
Mg (ppm)	171	Mg (% Sat)	2.3
Ca (ppm)	2,929	Ca (% Sat)	54.0
CEC	11.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	123
MGO (LB/a)	195

COUNTY: Perry **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	4.5		
P (ppm)	108		
K (ppm)	120	K (% Sat)	2.5
Mg (ppm)	96	Mg (% Sat)	4.7
Ca (ppm)	1,305	Ca (% Sat)	54.3
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	95
K20 (LB/A)	95
MGO (LB/a)	20

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

Small Fruits

2009/2010

COUNTY: Philadelphia **# of Samples** 5

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.0		
P (ppm)	128		
K (ppm)	195	K (% Sat)	3.0
Mg (ppm)	331	Mg (% Sat)	5.4
Ca (ppm)	2,801	Ca (% Sat)	60.8
CEC	16.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	80
K20 (LB/A)	73
MGO (LB/a)	170

COUNTY: Pike **# of Samples** 2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	6.9		
P (ppm)	179		
K (ppm)	100	K (% Sat)	2.0
Mg (ppm)	132	Mg (% Sat)	6.5
Ca (ppm)	1,162	Ca (% Sat)	34.9
CEC	14.1		

SOIL TEST RECOMMENDATIONS

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

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

Small Fruits

2009/2010

COUNTY: Potter **# of Samples** 9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.0		
P (ppm)	65		
K (ppm)	187	K (% Sat)	3.5
Mg (ppm)	111	Mg (% Sat)	5.6
Ca (ppm)	1,288	Ca (% Sat)	42.5
CEC	13.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	99
MGO (LB/a)	153

COUNTY: Schuylkill **# of Samples** 15

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	4.6		
P (ppm)	160		
K (ppm)	155	K (% Sat)	3.3
Mg (ppm)	127	Mg (% Sat)	6.0
Ca (ppm)	1,140	Ca (% Sat)	48.7
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1633
N (lb/A)	
P2O5 (LB/A)	70
K20 (LB/A)	85
MGO (LB/a)	70

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

Small Fruits

2009/2010

COUNTY: Snyder

of Samples

5

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	4.9		
Acidity (meq/100 g)	9.9		
P (ppm)	94		
K (ppm)	141	K (% Sat)	2.1
Mg (ppm)	117	Mg (% Sat)	11.8
Ca (ppm)	1,657	Ca (% Sat)	36.1
CEC	18.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1000
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	83
MGO (LB/a)	44

COUNTY: Somerset

of Samples

6

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.4		
P (ppm)	148		
K (ppm)	175	K (% Sat)	2.9
Mg (ppm)	191	Mg (% Sat)	8.3
Ca (ppm)	2,055	Ca (% Sat)	58.0
CEC	17.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	78
MGO (LB/a)	85

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

Small Fruits

2009/2010

COUNTY: Sullivan

of Samples

2

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.1		
P (ppm)	593		
K (ppm)	750	K (% Sat)	9.8
Mg (ppm)	461	Mg (% Sat)	21.1
Ca (ppm)	2,582	Ca (% Sat)	65.5
CEC	19.8		

SOIL TEST RECOMMENDATIONS

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

COUNTY: Susquehanna

of Samples

11

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.1		
Acidity (meq/100 g)	8.8		
P (ppm)	161		
K (ppm)	156	K (% Sat)	2.6
Mg (ppm)	108	Mg (% Sat)	3.9
Ca (ppm)	1,121	Ca (% Sat)	32.7
CEC	15.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2455
N (lb/A)	
P2O5 (LB/A)	83
K20 (LB/A)	96
MGO (LB/a)	75

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY: Tioga **# of Samples** 3

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	5.7		
P (ppm)	60		
K (ppm)	214	K (% Sat)	3.4
Mg (ppm)	149	Mg (% Sat)	6.7
Ca (ppm)	1,421	Ca (% Sat)	47.4
CEC	14.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	93
MGO (LB/a)	43

COUNTY: Union **# of Samples** 6

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.1		
P (ppm)	97		
K (ppm)	196	K (% Sat)	3.2
Mg (ppm)	201	Mg (% Sat)	9.8
Ca (ppm)	2,124	Ca (% Sat)	67.4
CEC	13.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	65
K20 (LB/A)	108
MGO (LB/a)	26

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

Small Fruits

2009/2010

COUNTY: Venango **# of Samples** 1

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.0		
P (ppm)	255		
K (ppm)	201	K (% Sat)	2.6
Mg (ppm)	308	Mg (% Sat)	12.8
Ca (ppm)	3,318	Ca (% Sat)	74.7
CEC	20.1		

SOIL TEST RECOMMENDATIONS

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

COUNTY: Warren **# of Samples** 7

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.4		
P (ppm)	126		
K (ppm)	185	K (% Sat)	3.8
Mg (ppm)	158	Mg (% Sat)	9.1
Ca (ppm)	1,338	Ca (% Sat)	49.9
CEC	12.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2000
N (lb/A)	
P2O5 (LB/A)	50
K20 (LB/A)	130
MGO (LB/a)	105

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

Small Fruits

2009/2010

COUNTY: Washington

of Samples

22

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	5.5		
P (ppm)	54		
K (ppm)	153	K (% Sat)	2.7
Mg (ppm)	158	Mg (% Sat)	8.7
Ca (ppm)	1,281	Ca (% Sat)	46.0
CEC	13.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	655
N (lb/A)	
P2O5 (LB/A)	86
K20 (LB/A)	117
MGO (LB/a)	58

COUNTY: Wayne

of Samples

9

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	4.7		
P (ppm)	112		
K (ppm)	115	K (% Sat)	2.4
Mg (ppm)	125	Mg (% Sat)	7.7
Ca (ppm)	1,227	Ca (% Sat)	49.3
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	0
N (lb/A)	
P2O5 (LB/A)	
K20 (LB/A)	117
MGO (LB/a)	43

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

Small Fruits

2009/2010

COUNTY: Westmoreland

of Samples

25

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.6		
Acidity (meq/100 g)	6.5		
P (ppm)	182		
K (ppm)	181	K (% Sat)	2.9
Mg (ppm)	147	Mg (% Sat)	4.3
Ca (ppm)	1,847	Ca (% Sat)	47.7
CEC	16.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	840
N (lb/A)	
P2O5 (LB/A)	67
K20 (LB/A)	89
MGO (LB/a)	77

COUNTY: Wyoming

of Samples

10

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.0		
P (ppm)	72		
K (ppm)	113	K (% Sat)	3.0
Mg (ppm)	181	Mg (% Sat)	5.9
Ca (ppm)	1,110	Ca (% Sat)	58.9
CEC	9.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	500
N (lb/A)	
P2O5 (LB/A)	46
K20 (LB/A)	154
MGO (LB/a)	5

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY

Small Fruits

2009/2010

COUNTY:	York	# of Samples	23
----------------	-------------	---------------------	----

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.7		
P (ppm)	125		
K (ppm)	188	K (% Sat)	3.7
Mg (ppm)	239	Mg (% Sat)	4.3
Ca (ppm)	1,284	Ca (% Sat)	41.0
CEC	13.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	217
N (lb/A)	
P2O5 (LB/A)	70
K2O (LB/A)	111
MGO (LB/a)	105