

SUMMARY REPORT-
SOIL TEST RESULTS AND RECOMMENDATIONS
Agronomic

1995-1996

SAMPLES: 20510

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	68		
K (ppm)	126	K (% sat)	3.39
Mg (ppm)	140	Mg (% sat)	12.2
Ca (ppm)	1207	Ca (% sat)	60.1
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1922
N (LB/A)	71
P2O5 (LB/A)	39
K2O (LB/A)	75
MGO (LB/A)	13

*Note: Maximum laboratory measurement of 750 ppm P in soil. Average P value does not reflect samples that may have exceeded 750 ppm P.

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ADAMS

SAMPLES: 211

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	43		
K (ppm)	81	K (% sat)	2.29
Mg (ppm)	175	Mg (% sat)	15.2
Ca (ppm)	1111	Ca (% sat)	58.9
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1746
N (LB/A)	41
P2O5 (LB/A)	53
K2O (LB/A)	106
MGO (LB/A)	1

ALLEGHENY

SAMPLES: 102

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	122		
K (ppm)	378	K (% sat)	4.32
Mg (ppm)	363	Mg (% sat)	14.3
Ca (ppm)	4562	Ca (% sat)	61.4
CEC (meq/100 g)	15.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1615
N (LB/A)	73
P2O5 (LB/A)	57
K2O (LB/A)	133
MGO (LB/A)	40

Agronomic

ARMSTRONG

SAMPLES:

154

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	29		
K (ppm)	96	K (% sat)	2.35
Mg (ppm)	82	Mg (% sat)	6.4
Ca (ppm)	1086	Ca (% sat)	52.3
CEC (meq/100 g)	10.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3568
N (LB/A)	68
P2O5 (LB/A)	87
K2O (LB/A)	113
MGO (LB/A)	60

BEAVER

SAMPLES:

104

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	34		
K (ppm)	89	K (% sat)	2.43
Mg (ppm)	77	Mg (% sat)	6.8
Ca (ppm)	1120	Ca (% sat)	57.5
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2866
N (LB/A)	50
P2O5 (LB/A)	85
K2O (LB/A)	133
MGO (LB/A)	44

Agronomic

BEDFORD

SAMPLES: 473

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	62		
K (ppm)	134	K (% sat)	3.94
Mg (ppm)	132	Mg (% sat)	12.5
Ca (ppm)	1190	Ca (% sat)	65.9
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1250
N (LB/A)	77
P2O5 (LB/A)	42
K2O (LB/A)	79
MGO (LB/A)	7

BERKS

SAMPLES: 471

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	112		
K (ppm)	132	K (% sat)	3.51
Mg (ppm)	176	Mg (% sat)	15.6
Ca (ppm)	1288	Ca (% sat)	66.0
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	940
N (LB/A)	46
P2O5 (LB/A)	15
K2O (LB/A)	37
MGO (LB/A)	3

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BLAIR

SAMPLES: 571

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	58		
K (ppm)	148	K (% sat)	4.37
Mg (ppm)	148	Mg (% sat)	14.2
Ca (ppm)	1245	Ca (% sat)	66.5
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1026
N (LB/A)	81
P2O5 (LB/A)	35
K2O (LB/A)	63
MGO (LB/A)	5

BRADFORD

SAMPLES: 722

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	70		
K (ppm)	109	K (% sat)	2.97
Mg (ppm)	150	Mg (% sat)	13.6
Ca (ppm)	1062	Ca (% sat)	57.3
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1949
N (LB/A)	59
P2O5 (LB/A)	26
K2O (LB/A)	95
MGO (LB/A)	3

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BUCKS

SOIL TEST RESULTS		# SAMPLES: 206	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	81		
K (ppm)	106	K (% sat)	3.37
Mg (ppm)	196	Mg (% sat)	18.9
Ca (ppm)	926	Ca (% sat)	50.0
CEC (meq/100 g)	8.2		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		1771	
N (LB/A)		31	
P2O5 (LB/A)		31	
K2O (LB/A)		65	
MGO (LB/A)		2	

BUTLER

SOIL TEST RESULTS		# SAMPLES: 419	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	41		
K (ppm)	103	K (% sat)	2.57
Mg (ppm)	88	Mg (% sat)	7.2
Ca (ppm)	1286	Ca (% sat)	60.5
CEC (meq/100 g)	10.0		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		2482	
N (LB/A)		59	
P2O5 (LB/A)		57	
K2O (LB/A)		109	
MGO (LB/A)		65	

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CAMBRIA

SAMPLES:

309**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	39		
K (ppm)	114	K (% sat)	2.76
Mg (ppm)	141	Mg (% sat)	10.9
Ca (ppm)	1520	Ca (% sat)	63.3
CEC (meq/100 g)	10.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2120
N (LB/A)	70
P2O5 (LB/A)	77
K2O (LB/A)	120
MGO (LB/A)	12

CAMERON

SAMPLES:

11**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	20		
K (ppm)	95	K (% sat)	2.22
Mg (ppm)	68	Mg (% sat)	5.4
Ca (ppm)	1164	Ca (% sat)	56.9
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2900
N (LB/A)	24
P2O5 (LB/A)	105
K2O (LB/A)	115
MGO (LB/A)	16

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CARBON

SAMPLES: 48

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	103		
K (ppm)	96	K (% sat)	2.43
Mg (ppm)	152	Mg (% sat)	13.5
Ca (ppm)	1098	Ca (% sat)	50.7
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3154
N (LB/A)	40
P2O5 (LB/A)	33
K2O (LB/A)	112
MGO (LB/A)	17

CENTRE

SAMPLES: 1153

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.8		
P (ppm)*	62		
K (ppm)	134	K (% sat)	3.26
Mg (ppm)	105	Mg (% sat)	8.8
Ca (ppm)	1222	Ca (% sat)	57.2
CEC (meq/100 g)	10.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3907
N (LB/A)	49
P2O5 (LB/A)	29
K2O (LB/A)	60
MGO (LB/A)	13

Agronomic

CHESTER

SAMPLES: 510

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	84		
K (ppm)	146	K (% sat)	4.22
Mg (ppm)	169	Mg (% sat)	16.3
Ca (ppm)	1096	Ca (% sat)	61.2
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	979
N (LB/A)	66
P2O5 (LB/A)	24
K2O (LB/A)	50
MGO (LB/A)	2

CLARION

SAMPLES: 151

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	27		
K (ppm)	111	K (% sat)	2.83
Mg (ppm)	86	Mg (% sat)	7.0
Ca (ppm)	1579	Ca (% sat)	65.1
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2183
N (LB/A)	80
P2O5 (LB/A)	93
K2O (LB/A)	95
MGO (LB/A)	41

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CLEARFIELD

SAMPLES:

429

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	62		
K (ppm)	100	K (% sat)	2.45
Mg (ppm)	117	Mg (% sat)	8.5
Ca (ppm)	1348	Ca (% sat)	57.8
CEC (meq/100 g)	10.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2841
N (LB/A)	59
P2O5 (LB/A)	77
K2O (LB/A)	128
MGO (LB/A)	30

CLINTON

SAMPLES:

124

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	63		
K (ppm)	154	K (% sat)	4.19
Mg (ppm)	117	Mg (% sat)	10.9
Ca (ppm)	1112	Ca (% sat)	61.5
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1906
N (LB/A)	44
P2O5 (LB/A)	36
K2O (LB/A)	65
MGO (LB/A)	12

Agronomic

COLUMBIA

SAMPLES:

468

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	79		
K (ppm)	93	K (% sat)	2.90
Mg (ppm)	76	Mg (% sat)	8.0
Ca (ppm)	1036	Ca (% sat)	60.1
CEC (meq/100 g)	8.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1887
N (LB/A)	88
P2O5 (LB/A)	20
K2O (LB/A)	70
MGO (LB/A)	23

CRAWFORD

SAMPLES:

660

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	52		
K (ppm)	100	K (% sat)	2.74
Mg (ppm)	124	Mg (% sat)	11.0
Ca (ppm)	995	Ca (% sat)	53.3
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2589
N (LB/A)	106
P2O5 (LB/A)	38
K2O (LB/A)	62
MGO (LB/A)	9

Agronomic

CUMBERLAND

SAMPLES:

687

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	74		
K (ppm)	140	K (% sat)	3.75
Mg (ppm)	135	Mg (% sat)	11.9
Ca (ppm)	1381	Ca (% sat)	68.4
CEC (meq/100 g)	9.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1180
N (LB/A)	96
P2O5 (LB/A)	31
K2O (LB/A)	56
MGO (LB/A)	8

DAUPHIN

SAMPLES:

386

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	73		
K (ppm)	106	K (% sat)	2.76
Mg (ppm)	134	Mg (% sat)	11.0
Ca (ppm)	1488	Ca (% sat)	63.3
CEC (meq/100 g)	10.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1663
N (LB/A)	56
P2O5 (LB/A)	47
K2O (LB/A)	107
MGO (LB/A)	30

Agronomic

DELAWARE

SAMPLES:

18**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	67		
K (ppm)	125	K (% sat)	3.22
Mg (ppm)	181	Mg (% sat)	16.8
Ca (ppm)	926	Ca (% sat)	46.0
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2189
N (LB/A)	47
P2O5 (LB/A)	82
K2O (LB/A)	99
MGO (LB/A)	0

ELK

SAMPLES:

59**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.6		
P (ppm)*	43		
K (ppm)	95	K (% sat)	2.22
Mg (ppm)	85	Mg (% sat)	6.7
Ca (ppm)	1159	Ca (% sat)	52.1
CEC (meq/100 g)	11.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3997
N (LB/A)	49
P2O5 (LB/A)	96
K2O (LB/A)	153
MGO (LB/A)	50

Agronomic

ERIE

SOIL TEST RESULTS		# SAMPLES: 200	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	63		
K (ppm)	111	K (% sat)	2.97
Mg (ppm)	129	Mg (% sat)	11.1
Ca (ppm)	1124	Ca (% sat)	51.7
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2906
N (LB/A)	72
P2O5 (LB/A)	44
K2O (LB/A)	81
MGO (LB/A)	5

FAYETTE

SOIL TEST RESULTS		# SAMPLES: 329	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	40		
K (ppm)	120	K (% sat)	2.94
Mg (ppm)	146	Mg (% sat)	11.2
Ca (ppm)	1399	Ca (% sat)	61.8
CEC (meq/100 g)	10.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2084
N (LB/A)	56
P2O5 (LB/A)	67
K2O (LB/A)	93
MGO (LB/A)	16

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FOREST

SAMPLES:

15**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	27		
K (ppm)	68	K (% sat)	2.21
Mg (ppm)	47	Mg (% sat)	5.0
Ca (ppm)	856	Ca (% sat)	54.9
CEC (meq/100 g)	8.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2820
N (LB/A)	38
P2O5 (LB/A)	88
K2O (LB/A)	109
MGO (LB/A)	53

FRANKLIN

SAMPLES:

1090**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	63		
K (ppm)	152	K (% sat)	3.93
Mg (ppm)	148	Mg (% sat)	12.6
Ca (ppm)	1469	Ca (% sat)	70.0
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	922
N (LB/A)	72
P2O5 (LB/A)	32
K2O (LB/A)	77
MGO (LB/A)	4

Agronomic

FULTON

SAMPLES: 162

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	58		
K (ppm)	133	K (% sat)	3.78
Mg (ppm)	131	Mg (% sat)	12.3
Ca (ppm)	1070	Ca (% sat)	60.4
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1478
N (LB/A)	85
P2O5 (LB/A)	38
K2O (LB/A)	87
MGO (LB/A)	6

GREENE

SAMPLES: 97

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	36		
K (ppm)	116	K (% sat)	2.54
Mg (ppm)	142	Mg (% sat)	10.6
Ca (ppm)	1258	Ca (% sat)	52.3
CEC (meq/100 g)	11.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3047
N (LB/A)	40
P2O5 (LB/A)	71
K2O (LB/A)	125
MGO (LB/A)	48

Agronomic

HUNTINGDON

SAMPLES:

290

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	55		
K (ppm)	142	K (% sat)	3.91
Mg (ppm)	129	Mg (% sat)	11.7
Ca (ppm)	1225	Ca (% sat)	64.8
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1370
N (LB/A)	67
P2O5 (LB/A)	41
K2O (LB/A)	66
MGO (LB/A)	12

INDIANA

SAMPLES:

326

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	41		
K (ppm)	112	K (% sat)	2.88
Mg (ppm)	141	Mg (% sat)	12.0
Ca (ppm)	1167	Ca (% sat)	59.0
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2091
N (LB/A)	60
P2O5 (LB/A)	62
K2O (LB/A)	83
MGO (LB/A)	9

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JEFFERSON# SAMPLES: **150****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	37		
K (ppm)	107	K (% sat)	2.73
Mg (ppm)	124	Mg (% sat)	10.5
Ca (ppm)	1205	Ca (% sat)	58.6
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2367
N (LB/A)	51
P2O5 (LB/A)	74
K2O (LB/A)	93
MGO (LB/A)	21

JUNIATA# SAMPLES: **355****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	66		
K (ppm)	153	K (% sat)	4.20
Mg (ppm)	103	Mg (% sat)	9.5
Ca (ppm)	1226	Ca (% sat)	66.3
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1414
N (LB/A)	58
P2O5 (LB/A)	28
K2O (LB/A)	37
MGO (LB/A)	15

Agronomic

LACKAWANNA

SAMPLES:

62**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	122		
K (ppm)	111	K (% sat)	3.01
Mg (ppm)	107	Mg (% sat)	9.7
Ca (ppm)	1353	Ca (% sat)	66.1
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1526
N (LB/A)	125
P2O5 (LB/A)	15
K2O (LB/A)	61
MGO (LB/A)	15

LANCASTER

SAMPLES:

1286**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	115		
K (ppm)	150	K (% sat)	4.27
Mg (ppm)	237	Mg (% sat)	19.8
Ca (ppm)	1125	Ca (% sat)	60.5
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1050
N (LB/A)	94
P2O5 (LB/A)	7
K2O (LB/A)	34
MGO (LB/A)	2

Agronomic

LAWRENCE

SAMPLES:

98**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	57		
K (ppm)	130	K (% sat)	3.39
Mg (ppm)	105	Mg (% sat)	8.9
Ca (ppm)	1332	Ca (% sat)	66.7
CEC (meq/100 g)	9.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1778
N (LB/A)	76
P2O5 (LB/A)	56
K2O (LB/A)	82
MGO (LB/A)	19

LEBANON

SAMPLES:

385**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	101		
K (ppm)	162	K (% sat)	4.33
Mg (ppm)	146	Mg (% sat)	13.0
Ca (ppm)	1225	Ca (% sat)	64.3
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1218
N (LB/A)	96
P2O5 (LB/A)	29
K2O (LB/A)	50
MGO (LB/A)	6

Agronomic

LEHIGH

SOIL TEST RESULTS		# SAMPLES: 175	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	89		
K (ppm)	158	K (% sat)	4.83
Mg (ppm)	153	Mg (% sat)	15.5
Ca (ppm)	969	Ca (% sat)	55.7
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1443
N (LB/A)	41
P2O5 (LB/A)	10
K2O (LB/A)	30
MGO (LB/A)	5

LUZERNE

SOIL TEST RESULTS		# SAMPLES: 147	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	56		
K (ppm)	103	K (% sat)	2.74
Mg (ppm)	208	Mg (% sat)	12.0
Ca (ppm)	1444	Ca (% sat)	46.3
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1961
N (LB/A)	89
P2O5 (LB/A)	72
K2O (LB/A)	103
MGO (LB/A)	11

Agronomic

LYCOMING# SAMPLES: **460**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	70		
K (ppm)	122	K (% sat)	3.60
Mg (ppm)	119	Mg (% sat)	11.4
Ca (ppm)	1133	Ca (% sat)	62.9
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1711
N (LB/A)	66
P2O5 (LB/A)	38
K2O (LB/A)	67
MGO (LB/A)	13

MCKEAN# SAMPLES: **46**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.0		
P (ppm)*	43		
K (ppm)	111	K (% sat)	2.66
Mg (ppm)	81	Mg (% sat)	6.5
Ca (ppm)	1178	Ca (% sat)	57.7
CEC (meq/100 g)	10.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	4130
N (LB/A)	35
P2O5 (LB/A)	77
K2O (LB/A)	137
MGO (LB/A)	52

Agronomic

MERCER

SAMPLES:

623

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	47		
K (ppm)	100	K (% sat)	2.90
Mg (ppm)	113	Mg (% sat)	10.9
Ca (ppm)	980	Ca (% sat)	56.4
CEC (meq/100 g)	8.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2122
N (LB/A)	82
P2O5 (LB/A)	45
K2O (LB/A)	81
MGO (LB/A)	18

MIFFLIN

SAMPLES:

58

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	100		
K (ppm)	218	K (% sat)	6.01
Mg (ppm)	145	Mg (% sat)	13.2
Ca (ppm)	1199	Ca (% sat)	64.4
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1209
N (LB/A)	68
P2O5 (LB/A)	14
K2O (LB/A)	27
MGO (LB/A)	3

Agronomic

MONROE

SAMPLES:

76

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	87		
K (ppm)	76	K (% sat)	2.28
Mg (ppm)	108	Mg (% sat)	10.7
Ca (ppm)	759	Ca (% sat)	45.4
CEC (meq/100 g)	8.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3012
N (LB/A)	35
P2O5 (LB/A)	25
K2O (LB/A)	126
MGO (LB/A)	32

MONTGOMERY

SAMPLES:

116

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	112		
K (ppm)	136	K (% sat)	3.92
Mg (ppm)	194	Mg (% sat)	18.2
Ca (ppm)	1105	Ca (% sat)	61.6
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	956
N (LB/A)	26
P2O5 (LB/A)	26
K2O (LB/A)	40
MGO (LB/A)	1

Agronomic

MONTOUR

SAMPLES: 128

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	97		
K (ppm)	106	K (% sat)	2.90
Mg (ppm)	111	Mg (% sat)	9.8
Ca (ppm)	1931	Ca (% sat)	67.2
CEC (meq/100 g)	9.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1257
N (LB/A)	88
P2O5 (LB/A)	49
K2O (LB/A)	78
MGO (LB/A)	6

NORTHAMPTON

SAMPLES: 171

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	102		
K (ppm)	152	K (% sat)	3.76
Mg (ppm)	131	Mg (% sat)	11.7
Ca (ppm)	1306	Ca (% sat)	53.2
CEC (meq/100 g)	10.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2992
N (LB/A)	99
P2O5 (LB/A)	12
K2O (LB/A)	41
MGO (LB/A)	17

Agronomic

NORTHUMBERLAND

SAMPLES:

484

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	75		
K (ppm)	124	K (% sat)	3.70
Mg (ppm)	104	Mg (% sat)	10.3
Ca (ppm)	1135	Ca (% sat)	65.6
CEC (meq/100 g)	8.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1118
N (LB/A)	71
P2O5 (LB/A)	18
K2O (LB/A)	31
MGO (LB/A)	3

PERRY

SAMPLES:

525

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	62		
K (ppm)	131	K (% sat)	3.99
Mg (ppm)	128	Mg (% sat)	13.0
Ca (ppm)	1117	Ca (% sat)	63.8
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1208
N (LB/A)	65
P2O5 (LB/A)	38
K2O (LB/A)	72
MGO (LB/A)	9

Agronomic

PHILADELPHIA

SAMPLES:

5**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	145		
K (ppm)	211	K (% sat)	5.56
Mg (ppm)	194	Mg (% sat)	16.9
Ca (ppm)	1204	Ca (% sat)	61.6
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	0
N (LB/A)	20
P2O5 (LB/A)	0
K2O (LB/A)	20
MGO (LB/A)	0

PIKE

SAMPLES:

27**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	4.0		
P (ppm)*	70		
K (ppm)	68	K (% sat)	2.49
Mg (ppm)	67	Mg (% sat)	7.5
Ca (ppm)	625	Ca (% sat)	39.3
CEC (meq/100 g)	7.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3252
N (LB/A)	36
P2O5 (LB/A)	23
K2O (LB/A)	124
MGO (LB/A)	38

Agronomic

POTTER

SAMPLES: 170

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.5		
P (ppm)*	45		
K (ppm)	114	K (% sat)	2.60
Mg (ppm)	138	Mg (% sat)	10.5
Ca (ppm)	1033	Ca (% sat)	46.8
CEC (meq/100 g)	11.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	4519
N (LB/A)	59
P2O5 (LB/A)	65
K2O (LB/A)	135
MGO (LB/A)	23

SCHUYLKILL

SAMPLES: 250

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	129		
K (ppm)	158	K (% sat)	4.08
Mg (ppm)	158	Mg (% sat)	14.1
Ca (ppm)	1124	Ca (% sat)	58.3
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1776
N (LB/A)	67
P2O5 (LB/A)	7
K2O (LB/A)	35
MGO (LB/A)	2

Agronomic

SNYDER

SAMPLES:

280

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	67		
K (ppm)	135	K (% sat)	3.62
Mg (ppm)	96	Mg (% sat)	8.5
Ca (ppm)	1227	Ca (% sat)	63.6
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1663
N (LB/A)	67
P2O5 (LB/A)	39
K2O (LB/A)	63
MGO (LB/A)	29

SOMERSET

SAMPLES:

243

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.3		
P (ppm)*	38		
K (ppm)	125	K (% sat)	2.79
Mg (ppm)	127	Mg (% sat)	9.0
Ca (ppm)	1258	Ca (% sat)	53.1
CEC (meq/100 g)	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3785
N (LB/A)	51
P2O5 (LB/A)	74
K2O (LB/A)	103
MGO (LB/A)	48

Agronomic

SULLIVAN

SAMPLES:

19**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	5.0		
P (ppm)*	49		
K (ppm)	99	K (% sat)	2.23
Mg (ppm)	136	Mg (% sat)	10.2
Ca (ppm)	1107	Ca (% sat)	48.4
CEC (meq/100 g)	11.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4716
N (LB/A)	66
P2O5 (LB/A)	32
K2O (LB/A)	125
MGO (LB/A)	33

SUSQUEHANNA

SAMPLES:

259**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	64		
K (ppm)	115	K (% sat)	2.97
Mg (ppm)	182	Mg (% sat)	15.7
Ca (ppm)	953	Ca (% sat)	49.4
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2363
N (LB/A)	63
P2O5 (LB/A)	42
K2O (LB/A)	138
MGO (LB/A)	15

Agronomic

TIOGA

SOIL TEST RESULTS				# SAMPLES:	524
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.2				
ACIDITY (meq/100 g)	3.0				
P (ppm)*	51				
K (ppm)	105	K (% sat)	2.69		
Mg (ppm)	149	Mg (% sat)	12.4		
Ca (ppm)	1196	Ca (% sat)	54.9		
CEC (meq/100 g)	9.9				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	2448				
N (LB/A)	71				
P2O5 (LB/A)	61				
K2O (LB/A)	120				
MGO (LB/A)	13				

UNION

SOIL TEST RESULTS				# SAMPLES:	541
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.4				
ACIDITY (meq/100 g)	2.0				
P (ppm)*	59				
K (ppm)	124	K (% sat)	3.46		
Mg (ppm)	123	Mg (% sat)	11.2		
Ca (ppm)	1142	Ca (% sat)	62.4		
CEC (meq/100 g)	9.0				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	1591				
N (LB/A)	85				
P2O5 (LB/A)	31				
K2O (LB/A)	49				
MGO (LB/A)	2				

*Note: Maximum laboratory measurement of 750 ppm P in soil. Average P value does not reflect samples that may have exceeded 750 ppm P.

Agronomic

VENANGO

SAMPLES: 115

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	37		
K (ppm)	109	K (% sat)	2.71
Mg (ppm)	102	Mg (% sat)	8.5
Ca (ppm)	1133	Ca (% sat)	55.2
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2868
N (LB/A)	85
P2O5 (LB/A)	64
K2O (LB/A)	89
MGO (LB/A)	35

WARREN

SAMPLES: 121

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	46		
K (ppm)	107	K (% sat)	2.70
Mg (ppm)	130	Mg (% sat)	10.9
Ca (ppm)	1023	Ca (% sat)	51.3
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3104
N (LB/A)	80
P2O5 (LB/A)	68
K2O (LB/A)	131
MGO (LB/A)	17

Agronomic

WASHINGTON

SAMPLES:

362**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	30		
K (ppm)	110	K (% sat)	2.63
Mg (ppm)	170	Mg (% sat)	12.9
Ca (ppm)	1238	Ca (% sat)	54.2
CEC (meq/100 g)	10.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2882
N (LB/A)	49
P2O5 (LB/A)	86
K2O (LB/A)	123
MGO (LB/A)	16

WAYNE

SAMPLES:

156**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	110		
K (ppm)	95	K (% sat)	2.68
Mg (ppm)	118	Mg (% sat)	11.2
Ca (ppm)	842	Ca (% sat)	45.2
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2913
N (LB/A)	114
P2O5 (LB/A)	16
K2O (LB/A)	113
MGO (LB/A)	31

Agronomic

WESTMORELAND

SAMPLES:

246**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	41		
K (ppm)	124	K (% sat)	2.96
Mg (ppm)	161	Mg (% sat)	12.4
Ca (ppm)	1397	Ca (% sat)	59.5
CEC (meq/100 g)	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2523
N (LB/A)	53
P2O5 (LB/A)	80
K2O (LB/A)	112
MGO (LB/A)	28

WYOMING

SAMPLES:

175**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	81		
K (ppm)	117	K (% sat)	3.45
Mg (ppm)	166	Mg (% sat)	16.1
Ca (ppm)	941	Ca (% sat)	54.2
CEC (meq/100 g)	8.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1901
N (LB/A)	64
P2O5 (LB/A)	17
K2O (LB/A)	106
MGO (LB/A)	5

Agronomic

YORK

SAMPLES:

717

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	69		
K (ppm)	108	K (% sat)	3.38
Mg (ppm)	137	Mg (% sat)	14.0
Ca (ppm)	965	Ca (% sat)	57.7
CEC (meq/100 g)	8.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1389
N (LB/A)	95
P2O5 (LB/A)	32
K2O (LB/A)	52
MGO (LB/A)	2

*Note: Maximum laboratory measurement of 750 ppm P in soil. Average P value does not reflect samples that may have exceeded 750 ppm P.