

SUMMARY REPORT-
SOIL TEST RESULTS AND RECOMMENDATIONS
Agronomic

1993-1994

SAMPLES: 27792

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	64		
K (ppm)	118	K (% sat)	3.27
Mg (ppm)	141	Mg (% sat)	12.8
Ca (ppm)	1205	Ca (% sat)	63.2
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1569
N (LB/A)	69
P2O5 (LB/A)	39
K2O (LB/A)	88
MGO (LB/A)	9

*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: 474

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	47		
K (ppm)	86	K (% sat)	2.46
Mg (ppm)	169	Mg (% sat)	15.2
Ca (ppm)	1114	Ca (% sat)	61.1
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1628
N (LB/A)	61
P2O5 (LB/A)	47
K2O (LB/A)	114
MGO (LB/A)	2

ALLEGHENY

SAMPLES: 150

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	35		
K (ppm)	100	K (% sat)	2.07
Mg (ppm)	240	Mg (% sat)	13.4
Ca (ppm)	1847	Ca (% sat)	54.5
CEC (meq/100 g)	12.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3153
N (LB/A)	82
P2O5 (LB/A)	96
K2O (LB/A)	157
MGO (LB/A)	35

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ARMSTRONG

SAMPLES:

181**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	51		
K (ppm)	100	K (% sat)	2.64
Mg (ppm)	87	Mg (% sat)	7.5
Ca (ppm)	1199	Ca (% sat)	61.8
CEC (meq/100 g)	9.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2523
N (LB/A)	77
P2O5 (LB/A)	67
K2O (LB/A)	104
MGO (LB/A)	26

BEAVER

SAMPLES:

124**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	49		
K (ppm)	103	K (% sat)	2.69
Mg (ppm)	100	Mg (% sat)	8.4
Ca (ppm)	1121	Ca (% sat)	56.4
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3651
N (LB/A)	48
P2O5 (LB/A)	67
K2O (LB/A)	122
MGO (LB/A)	32

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BEDFORD

SAMPLES:

947

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	51		
K (ppm)	114	K (% sat)	3.65
Mg (ppm)	125	Mg (% sat)	13.2
Ca (ppm)	1070	Ca (% sat)	66.2
CEC (meq/100 g)	8.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1011
N (LB/A)	71
P2O5 (LB/A)	53
K2O (LB/A)	109
MGO (LB/A)	5

BERKS

SAMPLES:

502

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	110		
K (ppm)	136	K (% sat)	3.41
Mg (ppm)	178	Mg (% sat)	15.6
Ca (ppm)	1249	Ca (% sat)	64.6
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	947
N (LB/A)	47
P2O5 (LB/A)	14
K2O (LB/A)	32
MGO (LB/A)	2

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BLAIR

SAMPLES: 869

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	61		
K (ppm)	128	K (% sat)	4.04
Mg (ppm)	136	Mg (% sat)	14.0
Ca (ppm)	1099	Ca (% sat)	66.7
CEC (meq/100 g)	8.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1090
N (LB/A)	80
P2O5 (LB/A)	36
K2O (LB/A)	89
MGO (LB/A)	7

BRADFORD

SAMPLES: 1278

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	58		
K (ppm)	92	K (% sat)	2.75
Mg (ppm)	145	Mg (% sat)	14.6
Ca (ppm)	999	Ca (% sat)	60.0
CEC (meq/100 g)	8.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1576
N (LB/A)	53
P2O5 (LB/A)	38
K2O (LB/A)	120
MGO (LB/A)	2

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BUCKS

SAMPLES: 150

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	65		
K (ppm)	105	K (% sat)	3.08
Mg (ppm)	195	Mg (% sat)	19.0
Ca (ppm)	1002	Ca (% sat)	53.6
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1578
N (LB/A)	60
P2O5 (LB/A)	38
K2O (LB/A)	87
MGO (LB/A)	4

BUTLER

SAMPLES: 474

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	41		
K (ppm)	96	K (% sat)	2.61
Mg (ppm)	89	Mg (% sat)	8.0
Ca (ppm)	1153	Ca (% sat)	60.4
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2287
N (LB/A)	29
P2O5 (LB/A)	40
K2O (LB/A)	81
MGO (LB/A)	23

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CAMBRIA

SAMPLES: 469

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	50		
K (ppm)	130	K (% sat)	3.13
Mg (ppm)	134	Mg (% sat)	11.0
Ca (ppm)	1333	Ca (% sat)	61.2
CEC (meq/100 g)	10.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2369
N (LB/A)	66
P2O5 (LB/A)	49
K2O (LB/A)	89
MGO (LB/A)	15

CAMERON

SAMPLES: 21

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.7		
ACIDITY (meq/100 g)	6.3		
P (ppm)*	12		
K (ppm)	66	K (% sat)	1.62
Mg (ppm)	92	Mg (% sat)	7.7
Ca (ppm)	770	Ca (% sat)	38.9
CEC (meq/100 g)	11.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	5524
N (LB/A)	62
P2O5 (LB/A)	140
K2O (LB/A)	182
MGO (LB/A)	50

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CARBON

SOIL TEST RESULTS				# SAMPLES:	42
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.5				
ACIDITY (meq/100 g)	1.7				
P (ppm)*	87				
K (ppm)	77	K (% sat)	2.57		
Mg (ppm)	153	Mg (% sat)	17.2		
Ca (ppm)	931	Ca (% sat)	59.8		
CEC (meq/100 g)	7.8				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		1790			
N (LB/A)		23			
P2O5 (LB/A)		39			
K2O (LB/A)		158			
MGO (LB/A)		14			

CENTRE

SOIL TEST RESULTS				# SAMPLES:	1201
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.7				
ACIDITY (meq/100 g)	1.3				
P (ppm)*	60				
K (ppm)	126	K (% sat)	3.55		
Mg (ppm)	121	Mg (% sat)	11.1		
Ca (ppm)	1358	Ca (% sat)	70.7		
CEC (meq/100 g)	9.2				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		961			
N (LB/A)		69			
P2O5 (LB/A)		28			
K2O (LB/A)		73			
MGO (LB/A)		9			

*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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CHESTER

SAMPLES: 725

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	75		
K (ppm)	130	K (% sat)	3.79
Mg (ppm)	177	Mg (% sat)	16.9
Ca (ppm)	1210	Ca (% sat)	63.1
CEC (meq/100 g)	8.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	853
N (LB/A)	49
P2O5 (LB/A)	19
K2O (LB/A)	34
MGO (LB/A)	1

CLARION

SAMPLES: 193

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	31		
K (ppm)	74	K (% sat)	2.02
Mg (ppm)	80	Mg (% sat)	7.3
Ca (ppm)	1073	Ca (% sat)	56.6
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3352
N (LB/A)	65
P2O5 (LB/A)	95
K2O (LB/A)	145
MGO (LB/A)	26

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CLEARFIELD

SAMPLES:

562

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	32		
K (ppm)	91	K (% sat)	2.34
Mg (ppm)	111	Mg (% sat)	9.2
Ca (ppm)	1289	Ca (% sat)	61.2
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2298
N (LB/A)	62
P2O5 (LB/A)	87
K2O (LB/A)	132
MGO (LB/A)	20

CLINTON

SAMPLES:

195

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	51		
K (ppm)	114	K (% sat)	3.81
Mg (ppm)	101	Mg (% sat)	11.1
Ca (ppm)	975	Ca (% sat)	63.4
CEC (meq/100 g)	7.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1383
N (LB/A)	68
P2O5 (LB/A)	42
K2O (LB/A)	82
MGO (LB/A)	5

Agronomic

COLUMBIA

SAMPLES:

406**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	81		
K (ppm)	91	K (% sat)	2.90
Mg (ppm)	86	Mg (% sat)	9.2
Ca (ppm)	1074	Ca (% sat)	64.6
CEC (meq/100 g)	8.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1472
N (LB/A)	76
P2O5 (LB/A)	19
K2O (LB/A)	63
MGO (LB/A)	9

CRAWFORD

SAMPLES:

873**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	49		
K (ppm)	91	K (% sat)	2.47
Mg (ppm)	131	Mg (% sat)	11.8
Ca (ppm)	1042	Ca (% sat)	54.2
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2589
N (LB/A)	74
P2O5 (LB/A)	45
K2O (LB/A)	102
MGO (LB/A)	8

Agronomic

CUMBERLAND

SAMPLES:

867**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	66		
K (ppm)	132	K (% sat)	3.71
Mg (ppm)	140	Mg (% sat)	12.9
Ca (ppm)	1291	Ca (% sat)	68.2
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1121
N (LB/A)	93
P2O5 (LB/A)	36
K2O (LB/A)	65
MGO (LB/A)	3

DAUPHIN

SAMPLES:

531**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	89		
K (ppm)	110	K (% sat)	3.07
Mg (ppm)	136	Mg (% sat)	12.4
Ca (ppm)	1233	Ca (% sat)	64.1
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1493
N (LB/A)	70
P2O5 (LB/A)	31
K2O (LB/A)	94
MGO (LB/A)	20

Agronomic

DELAWARE

SAMPLES: 31

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	56		
K (ppm)	142	K (% sat)	3.75
Mg (ppm)	175	Mg (% sat)	16.1
Ca (ppm)	984	Ca (% sat)	54.8
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1626
N (LB/A)	83
P2O5 (LB/A)	31
K2O (LB/A)	27
MGO (LB/A)	14

ELK

SAMPLES: 59

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	41		
K (ppm)	86	K (% sat)	1.96
Mg (ppm)	94	Mg (% sat)	7.2
Ca (ppm)	1323	Ca (% sat)	57.9
CEC (meq/100 g)	10.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3427
N (LB/A)	40
P2O5 (LB/A)	82
K2O (LB/A)	166
MGO (LB/A)	69

Agronomic

ERIE

SOIL TEST RESULTS		# SAMPLES: 272	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.8		
P (ppm)*	39		
K (ppm)	84	K (% sat)	2.09
Mg (ppm)	132	Mg (% sat)	11.0
Ca (ppm)	1018	Ca (% sat)	50.5
CEC (meq/100 g)	10.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3430
N (LB/A)	63
P2O5 (LB/A)	68
K2O (LB/A)	157
MGO (LB/A)	7

FAYETTE

SOIL TEST RESULTS		# SAMPLES: 356	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	41		
K (ppm)	99	K (% sat)	2.54
Mg (ppm)	133	Mg (% sat)	11.5
Ca (ppm)	1242	Ca (% sat)	60.7
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2212
N (LB/A)	58
P2O5 (LB/A)	67
K2O (LB/A)	121
MGO (LB/A)	19

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FOREST

SOIL TEST RESULTS				# SAMPLES:	17
RESULT	AVERAGE	RESULT	AVERAGE		
PH	5.8				
ACIDITY (meq/100 g)	3.6				
P (ppm)*	36				
K (ppm)	53	K (% sat)	1.50		
Mg (ppm)	71	Mg (% sat)	6.8		
Ca (ppm)	869	Ca (% sat)	49.8		
CEC (meq/100 g)	8.6				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	4429				
N (LB/A)	97				
P2O5 (LB/A)	54				
K2O (LB/A)	130				
MGO (LB/A)	19				

FRANKLIN

SOIL TEST RESULTS				# SAMPLES:	1960
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.8				
ACIDITY (meq/100 g)	1.0				
P (ppm)*	66				
K (ppm)	158	K (% sat)	4.10		
Mg (ppm)	156	Mg (% sat)	13.3		
Ca (ppm)	1483	Ca (% sat)	72.4		
CEC (meq/100 g)	9.9				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	730				
N (LB/A)	80				
P2O5 (LB/A)	31				
K2O (LB/A)	73				
MGO (LB/A)	3				

Agronomic

FULTON

SAMPLES: 283

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	56		
K (ppm)	136	K (% sat)	3.87
Mg (ppm)	126	Mg (% sat)	12.1
Ca (ppm)	1091	Ca (% sat)	62.0
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1742
N (LB/A)	61
P2O5 (LB/A)	46
K2O (LB/A)	81
MGO (LB/A)	9

GREENE

SAMPLES: 267

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.0		
P (ppm)*	33		
K (ppm)	92	K (% sat)	2.21
Mg (ppm)	140	Mg (% sat)	11.1
Ca (ppm)	1093	Ca (% sat)	51.5
CEC (meq/100 g)	10.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3452
N (LB/A)	37
P2O5 (LB/A)	73
K2O (LB/A)	165
MGO (LB/A)	45

Agronomic

HUNTINGDON

SAMPLES:

561**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	53		
K (ppm)	122	K (% sat)	3.51
Mg (ppm)	120	Mg (% sat)	11.8
Ca (ppm)	1238	Ca (% sat)	70.9
CEC (meq/100 g)	8.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	930
N (LB/A)	53
P2O5 (LB/A)	45
K2O (LB/A)	91
MGO (LB/A)	10

INDIANA

SAMPLES:

501**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	46		
K (ppm)	107	K (% sat)	2.81
Mg (ppm)	138	Mg (% sat)	12.1
Ca (ppm)	1168	Ca (% sat)	60.6
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1951
N (LB/A)	80
P2O5 (LB/A)	57
K2O (LB/A)	92
MGO (LB/A)	9

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JEFFERSON

SAMPLES:

163**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	33		
K (ppm)	92	K (% sat)	2.30
Mg (ppm)	104	Mg (% sat)	8.8
Ca (ppm)	1216	Ca (% sat)	59.7
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2705
N (LB/A)	60
P2O5 (LB/A)	77
K2O (LB/A)	123
MGO (LB/A)	17

JUNIATA

SAMPLES:

458**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	58		
K (ppm)	138	K (% sat)	3.88
Mg (ppm)	115	Mg (% sat)	10.8
Ca (ppm)	1289	Ca (% sat)	69.7
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1125
N (LB/A)	51
P2O5 (LB/A)	38
K2O (LB/A)	60
MGO (LB/A)	5

Agronomic

LACKAWANNA

SAMPLES:

115**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	114		
K (ppm)	87	K (% sat)	2.37
Mg (ppm)	109	Mg (% sat)	9.6
Ca (ppm)	1266	Ca (% sat)	63.5
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1907
N (LB/A)	124
P2O5 (LB/A)	4
K2O (LB/A)	96
MGO (LB/A)	12

LANCASTER

SAMPLES:

1388**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	7.0		
ACIDITY (meq/100 g)	0.5		
P (ppm)*	116		
K (ppm)	168	K (% sat)	4.58
Mg (ppm)	205	Mg (% sat)	18.5
Ca (ppm)	1321	Ca (% sat)	70.6
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	276
N (LB/A)	109
P2O5 (LB/A)	11
K2O (LB/A)	43
MGO (LB/A)	0

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LAWRENCE

SAMPLES:

203**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	53		
K (ppm)	116	K (% sat)	3.09
Mg (ppm)	91	Mg (% sat)	8.3
Ca (ppm)	1221	Ca (% sat)	65.7
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1849
N (LB/A)	67
P2O5 (LB/A)	46
K2O (LB/A)	84
MGO (LB/A)	14

LEBANON

SAMPLES:

329**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	89		
K (ppm)	146	K (% sat)	3.99
Mg (ppm)	150	Mg (% sat)	14.1
Ca (ppm)	1264	Ca (% sat)	66.5
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	845
N (LB/A)	86
P2O5 (LB/A)	27
K2O (LB/A)	53
MGO (LB/A)	5

Agronomic

LEHIGH

SOIL TEST RESULTS				# SAMPLES:	150
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.5				
ACIDITY (meq/100 g)	1.8				
P (ppm)*	82				
K (ppm)	133	K (% sat)	3.73		
Mg (ppm)	182	Mg (% sat)	17.4		
Ca (ppm)	1076	Ca (% sat)	59.9		
CEC (meq/100 g)	8.9				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		1347			
N (LB/A)		39			
P2O5 (LB/A)		20			
K2O (LB/A)		69			
MGO (LB/A)		2			

LUZERNE

SOIL TEST RESULTS				# SAMPLES:	156
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.3				
ACIDITY (meq/100 g)	2.5				
P (ppm)*	89				
K (ppm)	136	K (% sat)	3.14		
Mg (ppm)	128	Mg (% sat)	11.5		
Ca (ppm)	1152	Ca (% sat)	56.6		
CEC (meq/100 g)	8.9				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		2426			
N (LB/A)		67			
P2O5 (LB/A)		26			
K2O (LB/A)		92			
MGO (LB/A)		21			

Agronomic

LYCOMING

SAMPLES:

501**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	59		
K (ppm)	106	K (% sat)	3.25
Mg (ppm)	118	Mg (% sat)	11.9
Ca (ppm)	1035	Ca (% sat)	62.4
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1648
N (LB/A)	72
P2O5 (LB/A)	33
K2O (LB/A)	79
MGO (LB/A)	6

MCKEAN

SAMPLES:

106**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	32		
K (ppm)	81	K (% sat)	2.14
Mg (ppm)	94	Mg (% sat)	9.0
Ca (ppm)	968	Ca (% sat)	51.1
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3726
N (LB/A)	48
P2O5 (LB/A)	90
K2O (LB/A)	171
MGO (LB/A)	35

Agronomic

MERCER

SAMPLES:

647

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	45		
K (ppm)	97	K (% sat)	2.74
Mg (ppm)	113	Mg (% sat)	11.0
Ca (ppm)	1046	Ca (% sat)	59.6
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2017
N (LB/A)	74
P2O5 (LB/A)	46
K2O (LB/A)	98
MGO (LB/A)	13

MIFFLIN

SAMPLES:

168

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	73		
K (ppm)	173	K (% sat)	4.96
Mg (ppm)	141	Mg (% sat)	13.7
Ca (ppm)	1204	Ca (% sat)	65.1
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1111
N (LB/A)	56
P2O5 (LB/A)	23
K2O (LB/A)	55
MGO (LB/A)	13

Agronomic

MONROE

SAMPLES: 27

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	74		
K (ppm)	91	K (% sat)	2.52
Mg (ppm)	126	Mg (% sat)	12.2
Ca (ppm)	979	Ca (% sat)	50.8
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2685
N (LB/A)	52
P2O5 (LB/A)	23
K2O (LB/A)	108
MGO (LB/A)	12

MONTGOMERY

SAMPLES: 228

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.9		
ACIDITY (meq/100 g)	0.9		
P (ppm)*	227		
K (ppm)	174	K (% sat)	4.01
Mg (ppm)	193	Mg (% sat)	15.8
Ca (ppm)	1543	Ca (% sat)	71.0
CEC (meq/100 g)	10.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	555
N (LB/A)	116
P2O5 (LB/A)	11
K2O (LB/A)	49
MGO (LB/A)	3

Agronomic

MONTOUR

SAMPLES: 188

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	42		
K (ppm)	86	K (% sat)	2.78
Mg (ppm)	89	Mg (% sat)	9.6
Ca (ppm)	948	Ca (% sat)	59.5
CEC (meq/100 g)	7.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1670
N (LB/A)	92
P2O5 (LB/A)	52
K2O (LB/A)	84
MGO (LB/A)	19

NORTHAMPTON

SAMPLES: 141

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	67		
K (ppm)	120	K (% sat)	3.10
Mg (ppm)	130	Mg (% sat)	11.3
Ca (ppm)	1294	Ca (% sat)	56.8
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2309
N (LB/A)	64
P2O5 (LB/A)	23
K2O (LB/A)	78
MGO (LB/A)	12

Agronomic

NORTHUMBERLAND

SAMPLES:

759**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	87		
K (ppm)	121	K (% sat)	3.59
Mg (ppm)	112	Mg (% sat)	11.2
Ca (ppm)	1119	Ca (% sat)	66.6
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1197
N (LB/A)	67
P2O5 (LB/A)	16
K2O (LB/A)	42
MGO (LB/A)	3

PERRY

SAMPLES:

627**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	54		
K (ppm)	114	K (% sat)	3.65
Mg (ppm)	130	Mg (% sat)	13.7
Ca (ppm)	1138	Ca (% sat)	67.3
CEC (meq/100 g)	8.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	886
N (LB/A)	76
P2O5 (LB/A)	39
K2O (LB/A)	79
MGO (LB/A)	5

Agronomic

PHILADELPHIA

SAMPLES:

50**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	7.2		
ACIDITY (meq/100 g)	0.3		
P (ppm)*	111		
K (ppm)	113	K (% sat)	2.58
Mg (ppm)	292	Mg (% sat)	21.0
Ca (ppm)	2060	Ca (% sat)	73.9
CEC (meq/100 g)	11.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	196
N (LB/A)	12
P2O5 (LB/A)	22
K2O (LB/A)	31
MGO (LB/A)	0

PIKE

SAMPLES:

31**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.4		
P (ppm)*	64		
K (ppm)	67	K (% sat)	1.93
Mg (ppm)	132	Mg (% sat)	11.2
Ca (ppm)	740	Ca (% sat)	37.9
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3497
N (LB/A)	60
P2O5 (LB/A)	36
K2O (LB/A)	158
MGO (LB/A)	45

Agronomic

POTTER# SAMPLES: **348**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	55		
K (ppm)	105	K (% sat)	2.81
Mg (ppm)	140	Mg (% sat)	12.4
Ca (ppm)	1077	Ca (% sat)	54.4
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2813
N (LB/A)	46
P2O5 (LB/A)	49
K2O (LB/A)	122
MGO (LB/A)	13

SCHUYLKILL# SAMPLES: **293**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	110		
K (ppm)	136	K (% sat)	3.84
Mg (ppm)	155	Mg (% sat)	14.9
Ca (ppm)	1086	Ca (% sat)	60.0
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1509
N (LB/A)	82
P2O5 (LB/A)	10
K2O (LB/A)	54
MGO (LB/A)	6

Agronomic

SNYDER# SAMPLES: **495**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	62		
K (ppm)	122	K (% sat)	3.67
Mg (ppm)	100	Mg (% sat)	9.9
Ca (ppm)	1118	Ca (% sat)	65.3
CEC (meq/100 g)	8.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1582
N (LB/A)	71
P2O5 (LB/A)	39
K2O (LB/A)	56
MGO (LB/A)	7

SOMERSET# SAMPLES: **438**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	42		
K (ppm)	114	K (% sat)	2.62
Mg (ppm)	130	Mg (% sat)	9.8
Ca (ppm)	1341	Ca (% sat)	60.7
CEC (meq/100 g)	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2690
N (LB/A)	67
P2O5 (LB/A)	63
K2O (LB/A)	123
MGO (LB/A)	23

Agronomic

SULLIVAN

SAMPLES:

34**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	44		
K (ppm)	97	K (% sat)	2.27
Mg (ppm)	144	Mg (% sat)	11.9
Ca (ppm)	1251	Ca (% sat)	57.3
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2518
N (LB/A)	43
P2O5 (LB/A)	74
K2O (LB/A)	127
MGO (LB/A)	9

SUSQUEHANNA

SAMPLES:

372**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	66		
K (ppm)	102	K (% sat)	2.75
Mg (ppm)	170	Mg (% sat)	15.3
Ca (ppm)	988	Ca (% sat)	53.2
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2083
N (LB/A)	52
P2O5 (LB/A)	38
K2O (LB/A)	150
MGO (LB/A)	15

Agronomic

TIOGA

SOIL TEST RESULTS				# SAMPLES:	557
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.3				
ACIDITY (meq/100 g)	2.4				
P (ppm)*	53				
K (ppm)	102	K (% sat)	2.64		
Mg (ppm)	146	Mg (% sat)	12.6		
Ca (ppm)	1176	Ca (% sat)	59.5		
CEC (meq/100 g)	9.7				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		1984			
N (LB/A)		56			
P2O5 (LB/A)		46			
K2O (LB/A)		122			
MGO (LB/A)		7			

UNION

SOIL TEST RESULTS				# SAMPLES:	661
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.5				
ACIDITY (meq/100 g)	1.6				
P (ppm)*	61				
K (ppm)	120	K (% sat)	3.45		
Mg (ppm)	125	Mg (% sat)	12.3		
Ca (ppm)	1132	Ca (% sat)	65.3		
CEC (meq/100 g)	8.5				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		1194			
N (LB/A)		59			
P2O5 (LB/A)		26			
K2O (LB/A)		62			
MGO (LB/A)		1			

Agronomic

VENANGO

SAMPLES: 132

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	41		
K (ppm)	84	K (% sat)	2.03
Mg (ppm)	124	Mg (% sat)	10.3
Ca (ppm)	1137	Ca (% sat)	57.4
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2605
N (LB/A)	48
P2O5 (LB/A)	73
K2O (LB/A)	166
MGO (LB/A)	24

WARREN

SAMPLES: 120

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	41		
K (ppm)	85	K (% sat)	2.20
Mg (ppm)	134	Mg (% sat)	11.5
Ca (ppm)	991	Ca (% sat)	50.8
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3060
N (LB/A)	62
P2O5 (LB/A)	65
K2O (LB/A)	127
MGO (LB/A)	18

Agronomic

WASHINGTON

SAMPLES:

671**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	35		
K (ppm)	102	K (% sat)	2.43
Mg (ppm)	190	Mg (% sat)	13.7
Ca (ppm)	1704	Ca (% sat)	55.6
CEC (meq/100 g)	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2395
N (LB/A)	55
P2O5 (LB/A)	75
K2O (LB/A)	129
MGO (LB/A)	13

WAYNE

SAMPLES:

227**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	88		
K (ppm)	85	K (% sat)	2.24
Mg (ppm)	111	Mg (% sat)	9.7
Ca (ppm)	861	Ca (% sat)	45.4
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3126
N (LB/A)	69
P2O5 (LB/A)	36
K2O (LB/A)	154
MGO (LB/A)	58

Agronomic

WESTMORELAND

SAMPLES:

469**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	43		
K (ppm)	110	K (% sat)	2.47
Mg (ppm)	209	Mg (% sat)	14.0
Ca (ppm)	1648	Ca (% sat)	60.6
CEC (meq/100 g)	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2186
N (LB/A)	50
P2O5 (LB/A)	70
K2O (LB/A)	128
MGO (LB/A)	7

WYOMING

SAMPLES:

331**SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	102		
K (ppm)	101	K (% sat)	3.09
Mg (ppm)	159	Mg (% sat)	15.9
Ca (ppm)	938	Ca (% sat)	55.4
CEC (meq/100 g)	8.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1709
N (LB/A)	76
P2O5 (LB/A)	10
K2O (LB/A)	106
MGO (LB/A)	4

Agronomic

YORK

SAMPLES:

668

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	75		
K (ppm)	125	K (% sat)	3.90
Mg (ppm)	149	Mg (% sat)	15.6
Ca (ppm)	990	Ca (% sat)	60.4
CEC (meq/100 g)	8.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1145
N (LB/A)	96
P2O5 (LB/A)	21
K2O (LB/A)	39
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.