

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1992-1993

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# SAMPLES:      28210

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**SOIL TEST RESULTS**

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<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	64		
K (ppm)	119	K (% sat)	3.34
Mg (ppm)	139	Mg (% sat)	12.9
Ca (ppm)	1182	Ca (% sat)	63.5
CEC (meq/100 g)	9.1		

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**SOIL TEST    RECOMMENDATIONS**

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<b>RECOMMENDATION</b>	<b>AVERAGE</b>
LIME (LB/A)	1480
N (LB/A)	70
P2O5 (LB/A)	40
K2O (LB/A)	84
MGO (LB/A)	9

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*\*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

**ADAMS**

# SAMPLES: 651

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	47		
K (ppm)	102	K (% sat)	2.93
Mg (ppm)	169	Mg (% sat)	15.7
Ca (ppm)	1190	Ca (% sat)	65.8
CEC (meq/100 g)	8.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1036
N (LB/A)	102
P2O5 (LB/A)	52
K2O (LB/A)	112
MGO (LB/A)	7

**ALLEGHENY**

# SAMPLES: 100

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	26		
K (ppm)	83	K (% sat)	1.92
Mg (ppm)	136	Mg (% sat)	9.6
Ca (ppm)	1596	Ca (% sat)	56.5
CEC (meq/100 g)	11.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2745
N (LB/A)	53
P2O5 (LB/A)	84
K2O (LB/A)	139
MGO (LB/A)	35

## Agronomic

**ARMSTRONG**

# SAMPLES:

171

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	36		
K (ppm)	82	K (% sat)	2.26
Mg (ppm)	88	Mg (% sat)	7.9
Ca (ppm)	1195	Ca (% sat)	61.7
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2490
N (LB/A)	62
P2O5 (LB/A)	82
K2O (LB/A)	125
MGO (LB/A)	42

**BEAVER**

# SAMPLES:

109

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	57		
K (ppm)	120	K (% sat)	2.84
Mg (ppm)	126	Mg (% sat)	8.2
Ca (ppm)	1242	Ca (% sat)	56.2
CEC (meq/100 g)	10.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3326
N (LB/A)	68
P2O5 (LB/A)	71
K2O (LB/A)	120
MGO (LB/A)	41

## Agronomic

**BEDFORD**

# SAMPLES:

**564**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	48		
K (ppm)	118	K (% sat)	3.51
Mg (ppm)	125	Mg (% sat)	12.5
Ca (ppm)	1115	Ca (% sat)	64.4
CEC (meq/100 g)	8.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1247
N (LB/A)	77
P2O5 (LB/A)	51
K2O (LB/A)	93
MGO (LB/A)	5

**BERKS**

# SAMPLES:

**1184**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	119		
K (ppm)	99	K (% sat)	2.48
Mg (ppm)	165	Mg (% sat)	14.9
Ca (ppm)	1257	Ca (% sat)	67.5
CEC (meq/100 g)	9.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	606
N (LB/A)	21
P2O5 (LB/A)	5
K2O (LB/A)	20
MGO (LB/A)	2

## Agronomic

**BLAIR**

# SAMPLES:

**503**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	57		
K (ppm)	153	K (% sat)	4.46
Mg (ppm)	150	Mg (% sat)	14.8
Ca (ppm)	1154	Ca (% sat)	67.4
CEC (meq/100 g)	8.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	817
N (LB/A)	72
P2O5 (LB/A)	39
K2O (LB/A)	81
MGO (LB/A)	4

**BRADFORD**

# SAMPLES:

**1076**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	58		
K (ppm)	105	K (% sat)	2.92
Mg (ppm)	160	Mg (% sat)	14.9
Ca (ppm)	1099	Ca (% sat)	61.0
CEC (meq/100 g)	9.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1592
N (LB/A)	45
P2O5 (LB/A)	35
K2O (LB/A)	119
MGO (LB/A)	4

## Agronomic

**BUCKS**# SAMPLES: **194**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	48		
K (ppm)	107	K (% sat)	3.35
Mg (ppm)	194	Mg (% sat)	20.1
Ca (ppm)	850	Ca (% sat)	52.4
CEC (meq/100 g)	8.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1421
N (LB/A)	77
P2O5 (LB/A)	46
K2O (LB/A)	74
MGO (LB/A)	4

**BUTLER**# SAMPLES: **334**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	44		
K (ppm)	107	K (% sat)	2.86
Mg (ppm)	97	Mg (% sat)	8.6
Ca (ppm)	1227	Ca (% sat)	64.2
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2057
N (LB/A)	59
P2O5 (LB/A)	63
K2O (LB/A)	112
MGO (LB/A)	34

## Agronomic

**CAMBRIA**

# SAMPLES:

**309**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	48		
K (ppm)	144	K (% sat)	3.26
Mg (ppm)	146	Mg (% sat)	10.8
Ca (ppm)	1372	Ca (% sat)	58.9
CEC (meq/100 g)	11.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2803
N (LB/A)	52
P2O5 (LB/A)	59
K2O (LB/A)	107
MGO (LB/A)	17

**CAMERON**

# SAMPLES:

**16**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	17		
K (ppm)	79	K (% sat)	1.96
Mg (ppm)	56	Mg (% sat)	4.7
Ca (ppm)	1436	Ca (% sat)	65.9
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3169
N (LB/A)	24
P2O5 (LB/A)	104
K2O (LB/A)	121
MGO (LB/A)	63

## Agronomic

**CARBON**

# SAMPLES:

**40**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	60		
K (ppm)	65	K (% sat)	1.97
Mg (ppm)	143	Mg (% sat)	14.4
Ca (ppm)	819	Ca (% sat)	48.8
CEC (meq/100 g)	8.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2375
N (LB/A)	52
P2O5 (LB/A)	26
K2O (LB/A)	112
MGO (LB/A)	16

**CENTRE**

# SAMPLES:

**1657**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	59		
K (ppm)	123	K (% sat)	3.54
Mg (ppm)	119	Mg (% sat)	10.7
Ca (ppm)	1321	Ca (% sat)	70.0
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1114
N (LB/A)	73
P2O5 (LB/A)	35
K2O (LB/A)	68
MGO (LB/A)	9



## Agronomic

**CHESTER**

# SAMPLES: 714

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	78		
K (ppm)	146	K (% sat)	4.28
Mg (ppm)	174	Mg (% sat)	17.2
Ca (ppm)	1111	Ca (% sat)	61.3
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	986
N (LB/A)	45
P2O5 (LB/A)	18
K2O (LB/A)	30
MGO (LB/A)	1

**CLARION**

# SAMPLES: 188

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	34		
K (ppm)	76	K (% sat)	2.07
Mg (ppm)	88	Mg (% sat)	7.8
Ca (ppm)	1127	Ca (% sat)	55.0
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3073
N (LB/A)	66
P2O5 (LB/A)	76
K2O (LB/A)	114
MGO (LB/A)	19

## Agronomic

**CLEARFIELD**

# SAMPLES:

**626****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	31		
K (ppm)	86	K (% sat)	2.22
Mg (ppm)	99	Mg (% sat)	8.5
Ca (ppm)	1227	Ca (% sat)	60.9
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2314
N (LB/A)	58
P2O5 (LB/A)	84
K2O (LB/A)	135
MGO (LB/A)	20

**CLINTON**

# SAMPLES:

**196****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	52		
K (ppm)	123	K (% sat)	3.84
Mg (ppm)	116	Mg (% sat)	11.6
Ca (ppm)	1069	Ca (% sat)	63.9
CEC (meq/100 g)	8.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1532
N (LB/A)	73
P2O5 (LB/A)	37
K2O (LB/A)	72
MGO (LB/A)	14

## Agronomic

**COLUMBIA**# SAMPLES: **580**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	79		
K (ppm)	108	K (% sat)	3.24
Mg (ppm)	92	Mg (% sat)	9.5
Ca (ppm)	1177	Ca (% sat)	67.1
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1082
N (LB/A)	73
P2O5 (LB/A)	19
K2O (LB/A)	52
MGO (LB/A)	11

**CRAWFORD**# SAMPLES: **515**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	47		
K (ppm)	91	K (% sat)	2.57
Mg (ppm)	121	Mg (% sat)	11.1
Ca (ppm)	964	Ca (% sat)	53.0
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2737
N (LB/A)	71
P2O5 (LB/A)	46
K2O (LB/A)	114
MGO (LB/A)	8

## Agronomic

**CUMBERLAND**

# SAMPLES:

**915****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	62		
K (ppm)	133	K (% sat)	3.88
Mg (ppm)	137	Mg (% sat)	13.1
Ca (ppm)	1283	Ca (% sat)	70.5
CEC (meq/100 g)	8.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	845
N (LB/A)	90
P2O5 (LB/A)	34
K2O (LB/A)	60
MGO (LB/A)	4

**DAUPHIN**

# SAMPLES:

**678****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	90		
K (ppm)	129	K (% sat)	3.88
Mg (ppm)	119	Mg (% sat)	11.6
Ca (ppm)	1229	Ca (% sat)	67.9
CEC (meq/100 g)	8.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1039
N (LB/A)	98
P2O5 (LB/A)	23
K2O (LB/A)	58
MGO (LB/A)	10

## Agronomic

**DELAWARE**# SAMPLES: **34****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	33		
K (ppm)	104	K (% sat)	3.14
Mg (ppm)	164	Mg (% sat)	15.8
Ca (ppm)	1009	Ca (% sat)	57.0
CEC (meq/100 g)	8.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1759
N (LB/A)	101
P2O5 (LB/A)	75
K2O (LB/A)	64
MGO (LB/A)	2

**ELK**# SAMPLES: **48****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.5		
ACIDITY (meq/100 g)	5.7		
P (ppm)*	25		
K (ppm)	74	K (% sat)	1.73
Mg (ppm)	116	Mg (% sat)	8.8
Ca (ppm)	870	Ca (% sat)	40.3
CEC (meq/100 g)	11.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	5406
N (LB/A)	55
P2O5 (LB/A)	126
K2O (LB/A)	179
MGO (LB/A)	35

## Agronomic

**ERIE**

SOIL TEST RESULTS		# SAMPLES: 275	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	48		
K (ppm)	105	K (% sat)	2.68
Mg (ppm)	123	Mg (% sat)	10.4
Ca (ppm)	987	Ca (% sat)	49.1
CEC (meq/100 g)	10.0		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3683
N (LB/A)	74
P2O5 (LB/A)	57
K2O (LB/A)	107
MGO (LB/A)	14

**FAYETTE**

SOIL TEST RESULTS		# SAMPLES: 397	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	37		
K (ppm)	107	K (% sat)	2.47
Mg (ppm)	161	Mg (% sat)	11.6
Ca (ppm)	1331	Ca (% sat)	56.8
CEC (meq/100 g)	11.2		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2756
N (LB/A)	51
P2O5 (LB/A)	86
K2O (LB/A)	142
MGO (LB/A)	24

## Agronomic

**FOREST**

SOIL TEST RESULTS				# SAMPLES:	8
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.1				
ACIDITY (meq/100 g)	3.4				
P (ppm)*	35				
K (ppm)	64	K (% sat)	1.91		
Mg (ppm)	60	Mg (% sat)	6.1		
Ca (ppm)	905	Ca (% sat)	53.4		
CEC (meq/100 g)	8.5				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		2950			
N (LB/A)		156			
P2O5 (LB/A)		69			
K2O (LB/A)		106			
MGO (LB/A)		10			

**FRANKLIN**

SOIL TEST RESULTS				# SAMPLES:	1868
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.7				
ACIDITY (meq/100 g)	1.1				
P (ppm)*	63				
K (ppm)	158	K (% sat)	4.12		
Mg (ppm)	159	Mg (% sat)	13.7		
Ca (ppm)	1415	Ca (% sat)	70.9		
CEC (meq/100 g)	9.7				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		787			
N (LB/A)		71			
P2O5 (LB/A)		35			
K2O (LB/A)		79			
MGO (LB/A)		3			

\*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

**FULTON**

# SAMPLES: 186

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	51		
K (ppm)	131	K (% sat)	3.97
Mg (ppm)	137	Mg (% sat)	13.6
Ca (ppm)	1135	Ca (% sat)	66.7
CEC (meq/100 g)	8.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1058
N (LB/A)	47
P2O5 (LB/A)	38
K2O (LB/A)	77
MGO (LB/A)	10

**GREENE**

# SAMPLES: 200

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	35		
K (ppm)	91	K (% sat)	2.03
Mg (ppm)	147	Mg (% sat)	10.8
Ca (ppm)	1213	Ca (% sat)	51.5
CEC (meq/100 g)	11.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3285
N (LB/A)	37
P2O5 (LB/A)	66
K2O (LB/A)	149
MGO (LB/A)	43



## Agronomic

**HUNTINGDON**

# SAMPLES:

**340****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	50		
K (ppm)	147	K (% sat)	3.89
Mg (ppm)	128	Mg (% sat)	12.4
Ca (ppm)	1178	Ca (% sat)	66.5
CEC (meq/100 g)	8.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1253
N (LB/A)	67
P2O5 (LB/A)	58
K2O (LB/A)	95
MGO (LB/A)	8

**INDIANA**

# SAMPLES:

**522****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	42		
K (ppm)	108	K (% sat)	2.87
Mg (ppm)	133	Mg (% sat)	11.9
Ca (ppm)	1190	Ca (% sat)	60.8
CEC (meq/100 g)	9.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1804
N (LB/A)	83
P2O5 (LB/A)	61
K2O (LB/A)	91
MGO (LB/A)	10

## Agronomic

**JEFFERSON**

# SAMPLES:

**150****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	33		
K (ppm)	98	K (% sat)	2.59
Mg (ppm)	120	Mg (% sat)	10.6
Ca (ppm)	1141	Ca (% sat)	58.8
CEC (meq/100 g)	9.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2029
N (LB/A)	57
P2O5 (LB/A)	85
K2O (LB/A)	122
MGO (LB/A)	21

**JUNIATA**

# SAMPLES:

**409****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	59		
K (ppm)	150	K (% sat)	3.87
Mg (ppm)	117	Mg (% sat)	10.5
Ca (ppm)	1351	Ca (% sat)	71.1
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	919
N (LB/A)	48
P2O5 (LB/A)	38
K2O (LB/A)	59
MGO (LB/A)	9

## Agronomic

**LACKAWANNA**

# SAMPLES:

**132****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	113		
K (ppm)	93	K (% sat)	2.63
Mg (ppm)	112	Mg (% sat)	10.3
Ca (ppm)	1055	Ca (% sat)	53.9
CEC (meq/100 g)	9.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2760
N (LB/A)	93
P2O5 (LB/A)	19
K2O (LB/A)	89
MGO (LB/A)	19

**LANCASTER**

# SAMPLES:

**1615****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	0.9		
P (ppm)*	117		
K (ppm)	155	K (% sat)	4.55
Mg (ppm)	173	Mg (% sat)	16.9
Ca (ppm)	1196	Ca (% sat)	68.1
CEC (meq/100 g)	8.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	535
N (LB/A)	104
P2O5 (LB/A)	10
K2O (LB/A)	39
MGO (LB/A)	1

## Agronomic

**LAWRENCE**

# SAMPLES:

**189**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	44		
K (ppm)	99	K (% sat)	2.78
Mg (ppm)	99	Mg (% sat)	9.1
Ca (ppm)	1221	Ca (% sat)	65.7
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1776
N (LB/A)	77
P2O5 (LB/A)	62
K2O (LB/A)	114
MGO (LB/A)	23

**LEBANON**

# SAMPLES:

**424**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	64		
K (ppm)	143	K (% sat)	4.00
Mg (ppm)	151	Mg (% sat)	14.1
Ca (ppm)	1334	Ca (% sat)	68.2
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	808
N (LB/A)	92
P2O5 (LB/A)	36
K2O (LB/A)	57
MGO (LB/A)	9

## Agronomic

**LEHIGH**

# SAMPLES: 219

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	75		
K (ppm)	113	K (% sat)	3.59
Mg (ppm)	162	Mg (% sat)	17.2
Ca (ppm)	959	Ca (% sat)	60.2
CEC (meq/100 g)	7.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1183
N (LB/A)	47
P2O5 (LB/A)	20
K2O (LB/A)	69
MGO (LB/A)	2

**LUZERNE**

# SAMPLES: 83

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	96		
K (ppm)	109	K (% sat)	3.05
Mg (ppm)	107	Mg (% sat)	10.2
Ca (ppm)	929	Ca (% sat)	53.2
CEC (meq/100 g)	8.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2481
N (LB/A)	76
P2O5 (LB/A)	28
K2O (LB/A)	104
MGO (LB/A)	16

## Agronomic

**LYCOMING**

# SAMPLES:

**698**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	71		
K (ppm)	114	K (% sat)	3.48
Mg (ppm)	112	Mg (% sat)	11.4
Ca (ppm)	1051	Ca (% sat)	62.6
CEC (meq/100 g)	8.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1667
N (LB/A)	79
P2O5 (LB/A)	39
K2O (LB/A)	73
MGO (LB/A)	9

**MCKEAN**

# SAMPLES:

**83**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	5.1		
P (ppm)*	31		
K (ppm)	93	K (% sat)	2.22
Mg (ppm)	125	Mg (% sat)	10.5
Ca (ppm)	883	Ca (% sat)	42.6
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4666
N (LB/A)	58
P2O5 (LB/A)	97
K2O (LB/A)	174
MGO (LB/A)	52

## Agronomic

**MERCER**# SAMPLES: **530**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	45		
K (ppm)	92	K (% sat)	2.82
Mg (ppm)	112	Mg (% sat)	11.4
Ca (ppm)	990	Ca (% sat)	59.6
CEC (meq/100 g)	8.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1950
N (LB/A)	73
P2O5 (LB/A)	52
K2O (LB/A)	99
MGO (LB/A)	15

**MIFFLIN**# SAMPLES: **181**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	71		
K (ppm)	170	K (% sat)	4.83
Mg (ppm)	136	Mg (% sat)	12.7
Ca (ppm)	1113	Ca (% sat)	61.5
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1515
N (LB/A)	51
P2O5 (LB/A)	23
K2O (LB/A)	57
MGO (LB/A)	11

## Agronomic

**MONROE**

# SAMPLES:

**74**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	73		
K (ppm)	72	K (% sat)	2.16
Mg (ppm)	107	Mg (% sat)	11.5
Ca (ppm)	874	Ca (% sat)	52.9
CEC (meq/100 g)	8.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2212
N (LB/A)	35
P2O5 (LB/A)	30
K2O (LB/A)	129
MGO (LB/A)	38

**MONTGOMERY**

# SAMPLES:

**196**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.0		
P (ppm)*	101		
K (ppm)	96	K (% sat)	2.80
Mg (ppm)	195	Mg (% sat)	18.5
Ca (ppm)	1166	Ca (% sat)	67.4
CEC (meq/100 g)	8.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	531
N (LB/A)	69
P2O5 (LB/A)	12
K2O (LB/A)	38
MGO (LB/A)	0



## Agronomic

**MONTOUR**

# SAMPLES: 141

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	67		
K (ppm)	105	K (% sat)	3.03
Mg (ppm)	114	Mg (% sat)	11.1
Ca (ppm)	1162	Ca (% sat)	64.9
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1369
N (LB/A)	76
P2O5 (LB/A)	44
K2O (LB/A)	67
MGO (LB/A)	3

**NORTHAMPTON**

# SAMPLES: 176

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	81		
K (ppm)	126	K (% sat)	3.39
Mg (ppm)	132	Mg (% sat)	12.3
Ca (ppm)	1867	Ca (% sat)	63.5
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1526
N (LB/A)	71
P2O5 (LB/A)	30
K2O (LB/A)	80
MGO (LB/A)	5

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**702****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	82		
K (ppm)	119	K (% sat)	3.48
Mg (ppm)	122	Mg (% sat)	12.2
Ca (ppm)	1163	Ca (% sat)	68.3
CEC (meq/100 g)	8.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	917
N (LB/A)	57
P2O5 (LB/A)	13
K2O (LB/A)	34
MGO (LB/A)	2

**PERRY**

# SAMPLES:

**700****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	53		
K (ppm)	114	K (% sat)	3.61
Mg (ppm)	134	Mg (% sat)	14.0
Ca (ppm)	1072	Ca (% sat)	64.9
CEC (meq/100 g)	8.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1100
N (LB/A)	72
P2O5 (LB/A)	39
K2O (LB/A)	81
MGO (LB/A)	2

## Agronomic

**PHILADELPHIA**

# SAMPLES: 4

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.9		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	12		
K (ppm)	84	K (% sat)	2.30
Mg (ppm)	147	Mg (% sat)	17.6
Ca (ppm)	1475	Ca (% sat)	59.6
CEC (meq/100 g)	8.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	500
N (LB/A)	90
P2O5 (LB/A)	145
K2O (LB/A)	78
MGO (LB/A)	0

**PIKE**

# SAMPLES: 37

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	84		
K (ppm)	60	K (% sat)	2.16
Mg (ppm)	86	Mg (% sat)	11.2
Ca (ppm)	583	Ca (% sat)	41.7
CEC (meq/100 g)	7.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3143
N (LB/A)	101
P2O5 (LB/A)	14
K2O (LB/A)	102
MGO (LB/A)	43

## Agronomic

**POTTER**

# SAMPLES: 232

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	54		
K (ppm)	112	K (% sat)	3.10
Mg (ppm)	144	Mg (% sat)	13.3
Ca (ppm)	956	Ca (% sat)	52.4
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2695
N (LB/A)	56
P2O5 (LB/A)	37
K2O (LB/A)	96
MGO (LB/A)	11

**SCHUYLKILL**

# SAMPLES: 278

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	104		
K (ppm)	135	K (% sat)	3.72
Mg (ppm)	175	Mg (% sat)	16.2
Ca (ppm)	1100	Ca (% sat)	59.3
CEC (meq/100 g)	9.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1612
N (LB/A)	98
P2O5 (LB/A)	29
K2O (LB/A)	50
MGO (LB/A)	8

## Agronomic

**SNYDER**

# SAMPLES:

**612**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	58		
K (ppm)	123	K (% sat)	3.80
Mg (ppm)	100	Mg (% sat)	10.1
Ca (ppm)	1129	Ca (% sat)	67.8
CEC (meq/100 g)	8.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1280
N (LB/A)	67
P2O5 (LB/A)	38
K2O (LB/A)	56
MGO (LB/A)	7

**SOMERSET**

# SAMPLES:

**379**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	40		
K (ppm)	111	K (% sat)	2.69
Mg (ppm)	118	Mg (% sat)	9.2
Ca (ppm)	1296	Ca (% sat)	59.4
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2816
N (LB/A)	73
P2O5 (LB/A)	70
K2O (LB/A)	133
MGO (LB/A)	24

## Agronomic

**SULLIVAN**

# SAMPLES:

**28****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	53		
K (ppm)	95	K (% sat)	2.06
Mg (ppm)	153	Mg (% sat)	11.6
Ca (ppm)	1224	Ca (% sat)	57.0
CEC (meq/100 g)	10.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2671
N (LB/A)	29
P2O5 (LB/A)	54
K2O (LB/A)	180
MGO (LB/A)	23

**SUSQUEHANNA**

# SAMPLES:

**568****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	64		
K (ppm)	113	K (% sat)	3.01
Mg (ppm)	181	Mg (% sat)	16.1
Ca (ppm)	1011	Ca (% sat)	53.3
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1898
N (LB/A)	83
P2O5 (LB/A)	38
K2O (LB/A)	134
MGO (LB/A)	7

## Agronomic

## TIOGA

SOIL TEST RESULTS		# SAMPLES: 651	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	46		
K (ppm)	83	K (% sat)	2.46
Mg (ppm)	122	Mg (% sat)	12.1
Ca (ppm)	1019	Ca (% sat)	57.7
CEC (meq/100 g)	8.5		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		2012	
N (LB/A)		58	
P2O5 (LB/A)		49	
K2O (LB/A)		138	
MGO (LB/A)		9	

## UNION

SOIL TEST RESULTS		# SAMPLES: 682	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	49		
K (ppm)	109	K (% sat)	3.52
Mg (ppm)	120	Mg (% sat)	12.6
Ca (ppm)	1097	Ca (% sat)	68.0
CEC (meq/100 g)	8.0		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		868	
N (LB/A)		75	
P2O5 (LB/A)		41	
K2O (LB/A)		58	
MGO (LB/A)		3	

\*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: **140****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	33		
K (ppm)	75	K (% sat)	2.07
Mg (ppm)	99	Mg (% sat)	9.1
Ca (ppm)	1069	Ca (% sat)	58.1
CEC (meq/100 g)	9.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2280
N (LB/A)	66
P2O5 (LB/A)	85
K2O (LB/A)	153
MGO (LB/A)	22

**WARREN**# SAMPLES: **121****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	82		
K (ppm)	99	K (% sat)	2.33
Mg (ppm)	143	Mg (% sat)	11.6
Ca (ppm)	1162	Ca (% sat)	54.9
CEC (meq/100 g)	10.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2764
N (LB/A)	80
P2O5 (LB/A)	59
K2O (LB/A)	126
MGO (LB/A)	9



## Agronomic

**WASHINGTON**

# SAMPLES:

**504****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	29		
K (ppm)	97	K (% sat)	2.14
Mg (ppm)	167	Mg (% sat)	12.2
Ca (ppm)	1287	Ca (% sat)	53.8
CEC (meq/100 g)	11.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3440
N (LB/A)	29
P2O5 (LB/A)	83
K2O (LB/A)	172
MGO (LB/A)	35

**WAYNE**

# SAMPLES:

**191****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	86		
K (ppm)	91	K (% sat)	2.36
Mg (ppm)	138	Mg (% sat)	11.9
Ca (ppm)	997	Ca (% sat)	49.4
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2893
N (LB/A)	99
P2O5 (LB/A)	36
K2O (LB/A)	158
MGO (LB/A)	25

## Agronomic

**WESTMORELAND**

# SAMPLES:

**583****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	39		
K (ppm)	128	K (% sat)	2.67
Mg (ppm)	187	Mg (% sat)	13.6
Ca (ppm)	1493	Ca (% sat)	61.3
CEC (meq/100 g)	11.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2119
N (LB/A)	55
P2O5 (LB/A)	77
K2O (LB/A)	126
MGO (LB/A)	10

**WYOMING**

# SAMPLES:

**250****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	95		
K (ppm)	102	K (% sat)	3.18
Mg (ppm)	145	Mg (% sat)	15.0
Ca (ppm)	911	Ca (% sat)	56.3
CEC (meq/100 g)	8.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1662
N (LB/A)	66
P2O5 (LB/A)	12
K2O (LB/A)	132
MGO (LB/A)	6

## Agronomic

YORK

# SAMPLES:

1050

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	64		
K (ppm)	114	K (% sat)	3.66
Mg (ppm)	145	Mg (% sat)	15.3
Ca (ppm)	982	Ca (% sat)	61.1
CEC (meq/100 g)	8.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1151
N (LB/A)	92
P2O5 (LB/A)	36
K2O (LB/A)	59
MGO (LB/A)	3

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