

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1998/1999

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# SAMPLES: 20787

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SOIL TEST RESULTS

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RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	70		
K (ppm)	130	K (% sat)	3.34
Mg (ppm)	145	Mg (% sat)	12.3
Ca (ppm)	1304	Ca (% sat)	62.1
CEC (meq/100 g)	9.9		

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SOIL TEST RECOMMENDATIONS

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RECOMMENDATION	AVERAGE
LIME (LB/A)	1789
N (LB/A)	75
P2O5 (LB/A)	38
K2O (LB/A)	82
MGO (LB/A)	12

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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: 216

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	63		
K (ppm)	107	K (% sat)	2.74
Mg (ppm)	179	Mg (% sat)	15.1
Ca (ppm)	1202	Ca (% sat)	59.3
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1745
N (LB/A)	71
P2O5 (LB/A)	47
K2O (LB/A)	120
MGO (LB/A)	11

**ALLEGHENY**

# SAMPLES: 37

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	45		
K (ppm)	151	K (% sat)	2.70
Mg (ppm)	203	Mg (% sat)	12.4
Ca (ppm)	2337	Ca (% sat)	61.7
CEC (meq/100 g)	13.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2554
N (LB/A)	42
P2O5 (LB/A)	82
K2O (LB/A)	108
MGO (LB/A)	21

## Agronomic

**ARMSTRONG**

# SAMPLES:

**191**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	77		
K (ppm)	141	K (% sat)	3.19
Mg (ppm)	123	Mg (% sat)	8.6
Ca (ppm)	1554	Ca (% sat)	60.5
CEC (meq/100 g)	11.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2869
N (LB/A)	80
P2O5 (LB/A)	73
K2O (LB/A)	101
MGO (LB/A)	45

**BEAVER**

# SAMPLES:

**80**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	39		
K (ppm)	108	K (% sat)	2.54
Mg (ppm)	132	Mg (% sat)	10.1
Ca (ppm)	1228	Ca (% sat)	57.4
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3008
N (LB/A)	80
P2O5 (LB/A)	75
K2O (LB/A)	126
MGO (LB/A)	19

## Agronomic

**BEDFORD**

# SAMPLES:

**686**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	60		
K (ppm)	137	K (% sat)	3.81
Mg (ppm)	134	Mg (% sat)	12.1
Ca (ppm)	1196	Ca (% sat)	63.3
CEC (meq/100 g)	9.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1526
N (LB/A)	76
P2O5 (LB/A)	32
K2O (LB/A)	80
MGO (LB/A)	9

**BERKS**

# SAMPLES:

**457**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	104		
K (ppm)	136	K (% sat)	3.28
Mg (ppm)	187	Mg (% sat)	14.9
Ca (ppm)	1491	Ca (% sat)	69.0
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	871
N (LB/A)	46
P2O5 (LB/A)	23
K2O (LB/A)	60
MGO (LB/A)	3

## Agronomic

**BLAIR**

# SAMPLES: 626

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	74		
K (ppm)	160	K (% sat)	4.34
Mg (ppm)	159	Mg (% sat)	14.0
Ca (ppm)	1312	Ca (% sat)	63.8
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1386
N (LB/A)	80
P2O5 (LB/A)	40
K2O (LB/A)	78
MGO (LB/A)	10

**BRADFORD**

# SAMPLES: 670

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	71		
K (ppm)	117	K (% sat)	2.86
Mg (ppm)	165	Mg (% sat)	13.4
Ca (ppm)	1161	Ca (% sat)	56.2
CEC (meq/100 g)	10.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2424
N (LB/A)	61
P2O5 (LB/A)	35
K2O (LB/A)	130
MGO (LB/A)	8

## Agronomic

**BUCKS**# SAMPLES: **160**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	48		
K (ppm)	119	K (% sat)	3.14
Mg (ppm)	229	Mg (% sat)	19.8
Ca (ppm)	995	Ca (% sat)	51.9
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1983
N (LB/A)	63
P2O5 (LB/A)	55
K2O (LB/A)	90
MGO (LB/A)	1

**BUTLER**# SAMPLES: **345**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	45		
K (ppm)	105	K (% sat)	2.74
Mg (ppm)	103	Mg (% sat)	8.7
Ca (ppm)	1334	Ca (% sat)	62.2
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2288
N (LB/A)	62
P2O5 (LB/A)	61
K2O (LB/A)	114
MGO (LB/A)	42

## Agronomic

**CAMBRIA**

# SAMPLES:

**316**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	48		
K (ppm)	133	K (% sat)	3.13
Mg (ppm)	151	Mg (% sat)	11.6
Ca (ppm)	1445	Ca (% sat)	64.5
CEC (meq/100 g)	10.9		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1930
N (LB/A)	57
P2O5 (LB/A)	51
K2O (LB/A)	106
MGO (LB/A)	7

**CAMERON**

# SAMPLES:

**21**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	25		
K (ppm)	78	K (% sat)	1.79
Mg (ppm)	69	Mg (% sat)	5.3
Ca (ppm)	1264	Ca (% sat)	58.7
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3767
N (LB/A)	29
P2O5 (LB/A)	98
K2O (LB/A)	180
MGO (LB/A)	34

## Agronomic

**CARBON**

# SAMPLES:

**88**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	99		
K (ppm)	159	K (% sat)	4.28
Mg (ppm)	140	Mg (% sat)	12.7
Ca (ppm)	1057	Ca (% sat)	56.1
CEC (meq/100 g)	9.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1863
N (LB/A)	34
P2O5 (LB/A)	15
K2O (LB/A)	67
MGO (LB/A)	5

**CENTRE**

# SAMPLES:

**1196**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	60		
K (ppm)	137	K (% sat)	3.41
Mg (ppm)	124	Mg (% sat)	10.2
Ca (ppm)	1476	Ca (% sat)	67.3
CEC (meq/100 g)	10.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1484
N (LB/A)	78
P2O5 (LB/A)	35
K2O (LB/A)	71
MGO (LB/A)	14



## Agronomic

**CHESTER**

# SAMPLES:

**403**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	76		
K (ppm)	155	K (% sat)	4.33
Mg (ppm)	189	Mg (% sat)	17.6
Ca (ppm)	1175	Ca (% sat)	63.5
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	793
N (LB/A)	93
P2O5 (LB/A)	29
K2O (LB/A)	64
MGO (LB/A)	5

**CLARION**

# SAMPLES:

**152**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	26		
K (ppm)	104	K (% sat)	2.57
Mg (ppm)	93	Mg (% sat)	7.9
Ca (ppm)	1259	Ca (% sat)	57.2
CEC (meq/100 g)	10.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2921
N (LB/A)	45
P2O5 (LB/A)	98
K2O (LB/A)	108
MGO (LB/A)	39

## Agronomic

**CLEARFIELD**

# SAMPLES:

**372**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	46		
K (ppm)	113	K (% sat)	2.69
Mg (ppm)	125	Mg (% sat)	9.6
Ca (ppm)	1725	Ca (% sat)	62.1
CEC (meq/100 g)	10.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2222
N (LB/A)	68
P2O5 (LB/A)	67
K2O (LB/A)	101
MGO (LB/A)	26

**CLINTON**

# SAMPLES:

**421**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	56		
K (ppm)	136	K (% sat)	3.80
Mg (ppm)	124	Mg (% sat)	11.3
Ca (ppm)	1184	Ca (% sat)	65.0
CEC (meq/100 g)	9.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1600
N (LB/A)	74
P2O5 (LB/A)	37
K2O (LB/A)	59
MGO (LB/A)	13

## Agronomic

**COLUMBIA**

# SAMPLES:

**387****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	88		
K (ppm)	109	K (% sat)	3.09
Mg (ppm)	96	Mg (% sat)	9.3
Ca (ppm)	1189	Ca (% sat)	62.2
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2012
N (LB/A)	83
P2O5 (LB/A)	17
K2O (LB/A)	65
MGO (LB/A)	8

**CRAWFORD**

# SAMPLES:

**705****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	48		
K (ppm)	103	K (% sat)	2.54
Mg (ppm)	144	Mg (% sat)	11.8
Ca (ppm)	1130	Ca (% sat)	54.6
CEC (meq/100 g)	10.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2743
N (LB/A)	91
P2O5 (LB/A)	42
K2O (LB/A)	77
MGO (LB/A)	11

## Agronomic

**CUMBERLAND**

# SAMPLES:

**394****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	91		
K (ppm)	151	K (% sat)	3.59
Mg (ppm)	145	Mg (% sat)	11.5
Ca (ppm)	1606	Ca (% sat)	69.7
CEC (meq/100 g)	10.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1112
N (LB/A)	92
P2O5 (LB/A)	24
K2O (LB/A)	59
MGO (LB/A)	9

**DAUPHIN**

# SAMPLES:

**474****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	73		
K (ppm)	110	K (% sat)	2.88
Mg (ppm)	130	Mg (% sat)	11.5
Ca (ppm)	1272	Ca (% sat)	62.4
CEC (meq/100 g)	9.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1762
N (LB/A)	50
P2O5 (LB/A)	25
K2O (LB/A)	59
MGO (LB/A)	18

## Agronomic

**DELAWARE**

# SAMPLES:

**11****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	110		
K (ppm)	126	K (% sat)	3.40
Mg (ppm)	178	Mg (% sat)	15.8
Ca (ppm)	1073	Ca (% sat)	57.8
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1455
N (LB/A)	160
P2O5 (LB/A)	29
K2O (LB/A)	24
MGO (LB/A)	0

**ELK**

# SAMPLES:

**86****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	4.5		
P (ppm)*	33		
K (ppm)	94	K (% sat)	2.09
Mg (ppm)	95	Mg (% sat)	7.1
Ca (ppm)	1262	Ca (% sat)	52.2
CEC (meq/100 g)	11.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3978
N (LB/A)	52
P2O5 (LB/A)	100
K2O (LB/A)	146
MGO (LB/A)	60

## Agronomic

**ERIE**

# SAMPLES:

**205**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	54		
K (ppm)	102	K (% sat)	2.61
Mg (ppm)	149	Mg (% sat)	12.2
Ca (ppm)	1122	Ca (% sat)	54.1
CEC (meq/100 g)	10.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2923
N (LB/A)	75
P2O5 (LB/A)	47
K2O (LB/A)	107
MGO (LB/A)	6

**FAYETTE**

# SAMPLES:

**292**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	50		
K (ppm)	115	K (% sat)	2.86
Mg (ppm)	125	Mg (% sat)	10.2
Ca (ppm)	1253	Ca (% sat)	58.7
CEC (meq/100 g)	10.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2608
N (LB/A)	75
P2O5 (LB/A)	64
K2O (LB/A)	98
MGO (LB/A)	28

## Agronomic

**FOREST**

# SAMPLES:

11

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.6		
ACIDITY (meq/100 g)	4.9		
P (ppm)*	42		
K (ppm)	109	K (% sat)	2.91
Mg (ppm)	62	Mg (% sat)	5.7
Ca (ppm)	747	Ca (% sat)	41.1
CEC (meq/100 g)	9.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4545
N (LB/A)	53
P2O5 (LB/A)	63
K2O (LB/A)	83
MGO (LB/A)	55

**FRANKLIN**

# SAMPLES:

842

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	66		
K (ppm)	149	K (% sat)	3.87
Mg (ppm)	149	Mg (% sat)	12.7
Ca (ppm)	1420	Ca (% sat)	67.9
CEC (meq/100 g)	9.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1106
N (LB/A)	67
P2O5 (LB/A)	27
K2O (LB/A)	82
MGO (LB/A)	3

## Agronomic

**FULTON**

# SAMPLES:

**285**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	55		
K (ppm)	115	K (% sat)	3.10
Mg (ppm)	140	Mg (% sat)	12.5
Ca (ppm)	1162	Ca (% sat)	61.7
CEC (meq/100 g)	9.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1767
N (LB/A)	84
P2O5 (LB/A)	43
K2O (LB/A)	86
MGO (LB/A)	5

**GREENE**

# SAMPLES:

**86**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	41		
K (ppm)	106	K (% sat)	2.39
Mg (ppm)	164	Mg (% sat)	11.5
Ca (ppm)	1821	Ca (% sat)	58.3
CEC (meq/100 g)	11.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2364
N (LB/A)	52
P2O5 (LB/A)	83
K2O (LB/A)	147
MGO (LB/A)	24



## Agronomic

**HUNTINGDON**

# SAMPLES:

**421**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	47		
K (ppm)	134	K (% sat)	3.49
Mg (ppm)	129	Mg (% sat)	11.1
Ca (ppm)	1563	Ca (% sat)	69.4
CEC (meq/100 g)	10.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1225
N (LB/A)	78
P2O5 (LB/A)	59
K2O (LB/A)	100
MGO (LB/A)	7

**INDIANA**

# SAMPLES:

**365**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	44		
K (ppm)	110	K (% sat)	2.64
Mg (ppm)	146	Mg (% sat)	11.7
Ca (ppm)	1227	Ca (% sat)	58.5
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2556
N (LB/A)	72
P2O5 (LB/A)	53
K2O (LB/A)	88
MGO (LB/A)	14

## Agronomic

**JEFFERSON**

# SAMPLES:

**163****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	33		
K (ppm)	103	K (% sat)	2.46
Mg (ppm)	133	Mg (% sat)	10.3
Ca (ppm)	1277	Ca (% sat)	56.3
CEC (meq/100 g)	10.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3040
N (LB/A)	56
P2O5 (LB/A)	84
K2O (LB/A)	132
MGO (LB/A)	27

**JUNIATA**

# SAMPLES:

**318****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	82		
K (ppm)	149	K (% sat)	3.78
Mg (ppm)	119	Mg (% sat)	10.2
Ca (ppm)	1357	Ca (% sat)	66.7
CEC (meq/100 g)	9.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1514
N (LB/A)	71
P2O5 (LB/A)	36
K2O (LB/A)	50
MGO (LB/A)	6

## Agronomic

**LACKAWANNA**

# SAMPLES:

**113****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	104		
K (ppm)	90	K (% sat)	2.27
Mg (ppm)	144	Mg (% sat)	11.5
Ca (ppm)	1492	Ca (% sat)	60.9
CEC (meq/100 g)	10.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1836
N (LB/A)	89
P2O5 (LB/A)	24
K2O (LB/A)	114
MGO (LB/A)	21

**LANCASTER**

# SAMPLES:

**1182****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.0		
P (ppm)*	127		
K (ppm)	172	K (% sat)	4.60
Mg (ppm)	185	Mg (% sat)	16.7
Ca (ppm)	1336	Ca (% sat)	67.9
CEC (meq/100 g)	9.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	623
N (LB/A)	117
P2O5 (LB/A)	11
K2O (LB/A)	49
MGO (LB/A)	1

## Agronomic

**LAWRENCE**

# SAMPLES:

**89**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	52		
K (ppm)	149	K (% sat)	3.07
Mg (ppm)	115	Mg (% sat)	9.8
Ca (ppm)	1267	Ca (% sat)	64.6
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1824
N (LB/A)	59
P2O5 (LB/A)	56
K2O (LB/A)	118
MGO (LB/A)	25

**LEBANON**

# SAMPLES:

**300**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	115		
K (ppm)	187	K (% sat)	4.45
Mg (ppm)	170	Mg (% sat)	13.7
Ca (ppm)	1471	Ca (% sat)	66.7
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	932
N (LB/A)	104
P2O5 (LB/A)	21
K2O (LB/A)	38
MGO (LB/A)	3

## Agronomic

**LEHIGH**

# SAMPLES: 178

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	78		
K (ppm)	143	K (% sat)	4.00
Mg (ppm)	171	Mg (% sat)	15.6
Ca (ppm)	1060	Ca (% sat)	56.0
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1640
N (LB/A)	54
P2O5 (LB/A)	13
K2O (LB/A)	59
MGO (LB/A)	4

**LUZERNE**

# SAMPLES: 90

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	64		
K (ppm)	103	K (% sat)	2.49
Mg (ppm)	108	Mg (% sat)	10.0
Ca (ppm)	920	Ca (% sat)	49.7
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2846
N (LB/A)	71
P2O5 (LB/A)	39
K2O (LB/A)	115
MGO (LB/A)	38

## Agronomic

**LYCOMING**

# SAMPLES:

**408**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	69		
K (ppm)	125	K (% sat)	3.32
Mg (ppm)	137	Mg (% sat)	12.0
Ca (ppm)	1261	Ca (% sat)	62.8
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1772
N (LB/A)	77
P2O5 (LB/A)	35
K2O (LB/A)	70
MGO (LB/A)	8

**MCKEAN**

# SAMPLES:

**27**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.6		
ACIDITY (meq/100 g)	6.9		
P (ppm)*	24		
K (ppm)	93	K (% sat)	1.76
Mg (ppm)	134	Mg (% sat)	7.1
Ca (ppm)	1152	Ca (% sat)	39.5
CEC (meq/100 g)	13.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	5856
N (LB/A)	26
P2O5 (LB/A)	114
K2O (LB/A)	204
MGO (LB/A)	95

## Agronomic

**MERCER**# SAMPLES: **424**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	39		
K (ppm)	102	K (% sat)	2.70
Mg (ppm)	128	Mg (% sat)	11.2
Ca (ppm)	1038	Ca (% sat)	54.3
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2546
N (LB/A)	75
P2O5 (LB/A)	51
K2O (LB/A)	85
MGO (LB/A)	20

**MIFFLIN**# SAMPLES: **163**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	89		
K (ppm)	151	K (% sat)	3.80
Mg (ppm)	139	Mg (% sat)	11.4
Ca (ppm)	1420	Ca (% sat)	66.9
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1355
N (LB/A)	79
P2O5 (LB/A)	30
K2O (LB/A)	87
MGO (LB/A)	8

## Agronomic

**MONROE**

# SAMPLES:

**73****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	86		
K (ppm)	67	K (% sat)	2.00
Mg (ppm)	119	Mg (% sat)	11.7
Ca (ppm)	849	Ca (% sat)	50.1
CEC (meq/100 g)	8.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2829
N (LB/A)	49
P2O5 (LB/A)	30
K2O (LB/A)	145
MGO (LB/A)	29

**MONTGOMERY**

# SAMPLES:

**193****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	71		
K (ppm)	103	K (% sat)	2.62
Mg (ppm)	233	Mg (% sat)	20.2
Ca (ppm)	1089	Ca (% sat)	55.4
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1507
N (LB/A)	76
P2O5 (LB/A)	48
K2O (LB/A)	98
MGO (LB/A)	3



## Agronomic

**MONTOUR**

# SAMPLES:

**188****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	84		
K (ppm)	97	K (% sat)	2.81
Mg (ppm)	124	Mg (% sat)	10.1
Ca (ppm)	1324	Ca (% sat)	63.4
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1644
N (LB/A)	86
P2O5 (LB/A)	43
K2O (LB/A)	74
MGO (LB/A)	11

**NORTHAMPTON**

# SAMPLES:

**161****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	96		
K (ppm)	150	K (% sat)	3.28
Mg (ppm)	146	Mg (% sat)	11.3
Ca (ppm)	2274	Ca (% sat)	65.6
CEC (meq/100 g)	11.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1795
N (LB/A)	100
P2O5 (LB/A)	21
K2O (LB/A)	64
MGO (LB/A)	9

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**907**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	88		
K (ppm)	130	K (% sat)	3.65
Mg (ppm)	117	Mg (% sat)	11.1
Ca (ppm)	1190	Ca (% sat)	66.0
CEC (meq/100 g)	8.9		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1289
N (LB/A)	73
P2O5 (LB/A)	16
K2O (LB/A)	38
MGO (LB/A)	8

**PERRY**

# SAMPLES:

**779**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	63		
K (ppm)	149	K (% sat)	4.11
Mg (ppm)	147	Mg (% sat)	13.2
Ca (ppm)	1255	Ca (% sat)	64.6
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1271
N (LB/A)	78
P2O5 (LB/A)	37
K2O (LB/A)	61
MGO (LB/A)	5

## Agronomic

**PHILADELPHIA**# SAMPLES: **3****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	66		
K (ppm)	173	K (% sat)	3.47
Mg (ppm)	252	Mg (% sat)	16.0
Ca (ppm)	1420	Ca (% sat)	58.8
CEC (meq/100 g)	11.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1333
N (LB/A)	43
P2O5 (LB/A)	13
K2O (LB/A)	77
MGO (LB/A)	0

**PIKE**# SAMPLES: **24****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	5.5		
P (ppm)*	60		
K (ppm)	87	K (% sat)	1.88
Mg (ppm)	132	Mg (% sat)	10.3
Ca (ppm)	1092	Ca (% sat)	46.3
CEC (meq/100 g)	11.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4488
N (LB/A)	50
P2O5 (LB/A)	34
K2O (LB/A)	191
MGO (LB/A)	50

## Agronomic

**POTTER**

# SAMPLES:

**95**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	57		
K (ppm)	134	K (% sat)	3.12
Mg (ppm)	148	Mg (% sat)	11.8
Ca (ppm)	1111	Ca (% sat)	50.5
CEC (meq/100 g)	10.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3431
N (LB/A)	73
P2O5 (LB/A)	41
K2O (LB/A)	100
MGO (LB/A)	25

**SCHUYLKILL**

# SAMPLES:

**247**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	95		
K (ppm)	126	K (% sat)	3.44
Mg (ppm)	160	Mg (% sat)	14.6
Ca (ppm)	1086	Ca (% sat)	56.4
CEC (meq/100 g)	9.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1902
N (LB/A)	84
P2O5 (LB/A)	23
K2O (LB/A)	53
MGO (LB/A)	11

## Agronomic

**SNYDER**

# SAMPLES:

**339**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	109		
K (ppm)	199	K (% sat)	4.40
Mg (ppm)	132	Mg (% sat)	9.7
Ca (ppm)	1544	Ca (% sat)	67.8
CEC (meq/100 g)	11.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1435
N (LB/A)	77
P2O5 (LB/A)	20
K2O (LB/A)	34
MGO (LB/A)	20

**SOMERSET**

# SAMPLES:

**255**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	42		
K (ppm)	113	K (% sat)	2.53
Mg (ppm)	119	Mg (% sat)	8.7
Ca (ppm)	1379	Ca (% sat)	57.5
CEC (meq/100 g)	11.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3260
N (LB/A)	63
P2O5 (LB/A)	71
K2O (LB/A)	109
MGO (LB/A)	19

## Agronomic

**SULLIVAN**

# SAMPLES:

**40**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	4.3		
P (ppm)*	67		
K (ppm)	100	K (% sat)	2.50
Mg (ppm)	127	Mg (% sat)	10.0
Ca (ppm)	1063	Ca (% sat)	49.3
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3855
N (LB/A)	32
P2O5 (LB/A)	30
K2O (LB/A)	141
MGO (LB/A)	45

**SUSQUEHANNA**

# SAMPLES:

**400**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	61		
K (ppm)	113	K (% sat)	2.86
Mg (ppm)	170	Mg (% sat)	14.2
Ca (ppm)	993	Ca (% sat)	49.2
CEC (meq/100 g)	10.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2693
N (LB/A)	78
P2O5 (LB/A)	47
K2O (LB/A)	140
MGO (LB/A)	24

## Agronomic

## TIOGA

SOIL TEST RESULTS		# SAMPLES: 443	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	48		
K (ppm)	104	K (% sat)	2.54
Mg (ppm)	162	Mg (% sat)	12.9
Ca (ppm)	1360	Ca (% sat)	57.0
CEC (meq/100 g)	10.1		

  

SOIL TEST RECOMMENDATIONS	AVERAGE
LIME (LB/A)	2443
N (LB/A)	65
P2O5 (LB/A)	55
K2O (LB/A)	126
MGO (LB/A)	10

## UNION

SOIL TEST RESULTS		# SAMPLES: 412	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	68		
K (ppm)	130	K (% sat)	3.35
Mg (ppm)	121	Mg (% sat)	10.3
Ca (ppm)	1328	Ca (% sat)	67.0
CEC (meq/100 g)	9.8		

  

SOIL TEST RECOMMENDATIONS	AVERAGE
LIME (LB/A)	1344
N (LB/A)	72
P2O5 (LB/A)	28
K2O (LB/A)	56
MGO (LB/A)	2

## Agronomic

**VENANGO**# SAMPLES: **124**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	43		
K (ppm)	94	K (% sat)	2.30
Mg (ppm)	119	Mg (% sat)	9.8
Ca (ppm)	1110	Ca (% sat)	54.4
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3016
N (LB/A)	71
P2O5 (LB/A)	72
K2O (LB/A)	143
MGO (LB/A)	20

**WARREN**# SAMPLES: **162**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	58		
K (ppm)	108	K (% sat)	2.45
Mg (ppm)	144	Mg (% sat)	10.9
Ca (ppm)	1211	Ca (% sat)	51.5
CEC (meq/100 g)	11.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3262
N (LB/A)	81
P2O5 (LB/A)	54
K2O (LB/A)	128
MGO (LB/A)	14



## Agronomic

**WASHINGTON**

# SAMPLES:

**322**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	36		
K (ppm)	109	K (% sat)	2.36
Mg (ppm)	191	Mg (% sat)	13.6
Ca (ppm)	1433	Ca (% sat)	57.6
CEC (meq/100 g)	11.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2796
N (LB/A)	45
P2O5 (LB/A)	77
K2O (LB/A)	160
MGO (LB/A)	11

**WAYNE**

# SAMPLES:

**129**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	80		
K (ppm)	117	K (% sat)	2.76
Mg (ppm)	143	Mg (% sat)	11.1
Ca (ppm)	1237	Ca (% sat)	54.2
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2568
N (LB/A)	88
P2O5 (LB/A)	45
K2O (LB/A)	176
MGO (LB/A)	64

## Agronomic

**WESTMORELAND**

# SAMPLES:

**215****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	53		
K (ppm)	116	K (% sat)	2.57
Mg (ppm)	169	Mg (% sat)	11.9
Ca (ppm)	1636	Ca (% sat)	60.5
CEC (meq/100 g)	11.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2342
N (LB/A)	48
P2O5 (LB/A)	67
K2O (LB/A)	115
MGO (LB/A)	21

**WYOMING**

# SAMPLES:

**197****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	105		
K (ppm)	126	K (% sat)	3.38
Mg (ppm)	183	Mg (% sat)	16.1
Ca (ppm)	1048	Ca (% sat)	54.8
CEC (meq/100 g)	9.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2014
N (LB/A)	71
P2O5 (LB/A)	9
K2O (LB/A)	87
MGO (LB/A)	9

## Agronomic

YORK

# SAMPLES:

623

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	75		
K (ppm)	110	K (% sat)	3.16
Mg (ppm)	145	Mg (% sat)	13.9
Ca (ppm)	1174	Ca (% sat)	62.6
CEC (meq/100 g)	8.9		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1103
N (LB/A)	77
P2O5 (LB/A)	25
K2O (LB/A)	51
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.