

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1991-1992

# SAMPLES: 19414

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	60		
K (ppm)	126	K (% sat)	3.21
Mg (ppm)	149	Mg (% sat)	12.6
Ca (ppm)	1256	Ca (% sat)	61.1
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1957
N (LB/A)	77
P2O5 (LB/A)	44
K2O (LB/A)	89
MGO (LB/A)	10

\*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: 388

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	57		
K (ppm)	101	K (% sat)	2.51
Mg (ppm)	191	Mg (% sat)	15.4
Ca (ppm)	1248	Ca (% sat)	60.9
CEC (meq/100 g)	10.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1926
N (LB/A)	79
P2O5 (LB/A)	53
K2O (LB/A)	116
MGO (LB/A)	2

**ALLEGHENY**

# SAMPLES: 95

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.6		
ACIDITY (meq/100 g)	5.4		
P (ppm)*	40		
K (ppm)	90	K (% sat)	1.85
Mg (ppm)	140	Mg (% sat)	9.2
Ca (ppm)	1246	Ca (% sat)	47.0
CEC (meq/100 g)	12.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	4758
N (LB/A)	61
P2O5 (LB/A)	90
K2O (LB/A)	202
MGO (LB/A)	63

## Agronomic

**ARMSTRONG**

# SAMPLES:

**193**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	38		
K (ppm)	99	K (% sat)	2.40
Mg (ppm)	88	Mg (% sat)	6.7
Ca (ppm)	1456	Ca (% sat)	60.1
CEC (meq/100 g)	10.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2861
N (LB/A)	73
P2O5 (LB/A)	88
K2O (LB/A)	133
MGO (LB/A)	31

**BEAVER**

# SAMPLES:

**160**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	43		
K (ppm)	100	K (% sat)	2.39
Mg (ppm)	108	Mg (% sat)	8.7
Ca (ppm)	1282	Ca (% sat)	60.6
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2915
N (LB/A)	73
P2O5 (LB/A)	72
K2O (LB/A)	118
MGO (LB/A)	28

## Agronomic

**BEDFORD**

# SAMPLES:

**591**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	56		
K (ppm)	132	K (% sat)	3.60
Mg (ppm)	137	Mg (% sat)	12.1
Ca (ppm)	1291	Ca (% sat)	65.8
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1518
N (LB/A)	87
P2O5 (LB/A)	44
K2O (LB/A)	89
MGO (LB/A)	9

**BERKS**

# SAMPLES:

**416**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	80		
K (ppm)	140	K (% sat)	3.65
Mg (ppm)	185	Mg (% sat)	16.7
Ca (ppm)	1243	Ca (% sat)	65.7
CEC (meq/100 g)	9.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1026
N (LB/A)	49
P2O5 (LB/A)	18
K2O (LB/A)	35
MGO (LB/A)	5

## Agronomic

**BLAIR**

SOIL TEST RESULTS				# SAMPLES:	454
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.7				
ACIDITY (meq/100 g)	1.4				
P (ppm)*	62				
K (ppm)	135	K (% sat)	4.00		
Mg (ppm)	146	Mg (% sat)	13.7		
Ca (ppm)	1260	Ca (% sat)	66.7		
CEC (meq/100 g)	9.0				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	1151				
N (LB/A)	107				
P2O5 (LB/A)	37				
K2O (LB/A)	63				
MGO (LB/A)	3				

**BRADFORD**

SOIL TEST RESULTS				# SAMPLES:	785
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.3				
ACIDITY (meq/100 g)	2.6				
P (ppm)*	66				
K (ppm)	121	K (% sat)	3.01		
Mg (ppm)	165	Mg (% sat)	13.8		
Ca (ppm)	1168	Ca (% sat)	57.7		
CEC (meq/100 g)	10.1				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	2174				
N (LB/A)	63				
P2O5 (LB/A)	35				
K2O (LB/A)	110				
MGO (LB/A)	5				

## Agronomic

**BUCKS**

# SAMPLES: 119

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	45		
K (ppm)	91	K (% sat)	2.50
Mg (ppm)	208	Mg (% sat)	19.7
Ca (ppm)	926	Ca (% sat)	52.2
CEC (meq/100 g)	8.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1844
N (LB/A)	70
P2O5 (LB/A)	54
K2O (LB/A)	105
MGO (LB/A)	1

**BUTLER**

# SAMPLES: 233

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	31		
K (ppm)	102	K (% sat)	2.59
Mg (ppm)	108	Mg (% sat)	9.1
Ca (ppm)	1196	Ca (% sat)	57.8
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3134
N (LB/A)	80
P2O5 (LB/A)	75
K2O (LB/A)	103
MGO (LB/A)	27

## Agronomic

**CAMBRIA**

# SAMPLES:

**231****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	46		
K (ppm)	147	K (% sat)	3.10
Mg (ppm)	156	Mg (% sat)	11.1
Ca (ppm)	1460	Ca (% sat)	60.5
CEC (meq/100 g)	11.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2653
N (LB/A)	71
P2O5 (LB/A)	64
K2O (LB/A)	97
MGO (LB/A)	10

**CAMERON**

# SAMPLES:

**18****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.3		
ACIDITY (meq/100 g)	6.1		
P (ppm)*	12		
K (ppm)	50	K (% sat)	1.18
Mg (ppm)	103	Mg (% sat)	7.6
Ca (ppm)	662	Ca (% sat)	31.2
CEC (meq/100 g)	10.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	5911
N (LB/A)	88
P2O5 (LB/A)	157
K2O (LB/A)	218
MGO (LB/A)	23

## Agronomic

**CARBON**

# SAMPLES:

**63**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	60		
K (ppm)	102	K (% sat)	2.74
Mg (ppm)	133	Mg (% sat)	11.4
Ca (ppm)	1058	Ca (% sat)	54.4
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3281
N (LB/A)	38
P2O5 (LB/A)	69
K2O (LB/A)	154
MGO (LB/A)	7

**CENTRE**

# SAMPLES:

**1191**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	64		
K (ppm)	142	K (% sat)	3.46
Mg (ppm)	145	Mg (% sat)	11.9
Ca (ppm)	1455	Ca (% sat)	68.2
CEC (meq/100 g)	10.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1233
N (LB/A)	76
P2O5 (LB/A)	35
K2O (LB/A)	68
MGO (LB/A)	7



## Agronomic

**CHESTER**# SAMPLES: **346**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	55		
K (ppm)	122	K (% sat)	3.36
Mg (ppm)	186	Mg (% sat)	17.6
Ca (ppm)	1023	Ca (% sat)	54.6
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1609
N (LB/A)	95
P2O5 (LB/A)	56
K2O (LB/A)	69
MGO (LB/A)	1

**CLARION**# SAMPLES: **206**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	19		
K (ppm)	53	K (% sat)	1.35
Mg (ppm)	101	Mg (% sat)	9.5
Ca (ppm)	990	Ca (% sat)	52.6
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2868
N (LB/A)	48
P2O5 (LB/A)	57
K2O (LB/A)	88
MGO (LB/A)	21

## Agronomic

**CLEARFIELD**

# SAMPLES:

**411**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	36		
K (ppm)	98	K (% sat)	2.39
Mg (ppm)	117	Mg (% sat)	9.6
Ca (ppm)	1330	Ca (% sat)	62.8
CEC (meq/100 g)	10.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2276
N (LB/A)	70
P2O5 (LB/A)	77
K2O (LB/A)	121
MGO (LB/A)	19

**CLINTON**

# SAMPLES:

**98**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	34		
K (ppm)	101	K (% sat)	2.80
Mg (ppm)	96	Mg (% sat)	8.9
Ca (ppm)	1008	Ca (% sat)	53.8
CEC (meq/100 g)	9.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2641
N (LB/A)	74
P2O5 (LB/A)	74
K2O (LB/A)	96
MGO (LB/A)	20

## Agronomic

**COLUMBIA**

# SAMPLES:

**322****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	75		
K (ppm)	111	K (% sat)	3.19
Mg (ppm)	108	Mg (% sat)	10.3
Ca (ppm)	1165	Ca (% sat)	63.0
CEC (meq/100 g)	8.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1620
N (LB/A)	91
P2O5 (LB/A)	20
K2O (LB/A)	62
MGO (LB/A)	6

**CRAWFORD**

# SAMPLES:

**478****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	46		
K (ppm)	92	K (% sat)	2.32
Mg (ppm)	136	Mg (% sat)	11.4
Ca (ppm)	1069	Ca (% sat)	53.3
CEC (meq/100 g)	9.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2673
N (LB/A)	73
P2O5 (LB/A)	44
K2O (LB/A)	103
MGO (LB/A)	13

## Agronomic

**CUMBERLAND**

# SAMPLES:

**573****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	78		
K (ppm)	180	K (% sat)	4.36
Mg (ppm)	157	Mg (% sat)	12.6
Ca (ppm)	1426	Ca (% sat)	65.5
CEC (meq/100 g)	10.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1567
N (LB/A)	87
P2O5 (LB/A)	25
K2O (LB/A)	48
MGO (LB/A)	7

**DAUPHIN**

# SAMPLES:

**305****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	71		
K (ppm)	121	K (% sat)	3.32
Mg (ppm)	133	Mg (% sat)	12.2
Ca (ppm)	1281	Ca (% sat)	63.7
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1476
N (LB/A)	64
P2O5 (LB/A)	19
K2O (LB/A)	51
MGO (LB/A)	6

## Agronomic

**DELAWARE**

# SAMPLES:

**16****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	37		
K (ppm)	138	K (% sat)	3.63
Mg (ppm)	144	Mg (% sat)	11.9
Ca (ppm)	1324	Ca (% sat)	63.7
CEC (meq/100 g)	9.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1163
N (LB/A)	83
P2O5 (LB/A)	74
K2O (LB/A)	81
MGO (LB/A)	24

**ELK**

# SAMPLES:

**40****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	29		
K (ppm)	70	K (% sat)	1.59
Mg (ppm)	80	Mg (% sat)	6.1
Ca (ppm)	1671	Ca (% sat)	67.9
CEC (meq/100 g)	11.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1710
N (LB/A)	70
P2O5 (LB/A)	112
K2O (LB/A)	178
MGO (LB/A)	48

Agronomic

**ERIE**

SOIL TEST RESULTS		# SAMPLES: 259	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	42		
K (ppm)	107	K (% sat)	2.66
Mg (ppm)	136	Mg (% sat)	11.2
Ca (ppm)	1059	Ca (% sat)	51.8
CEC (meq/100 g)	10.2		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3241
N (LB/A)	89
P2O5 (LB/A)	62
K2O (LB/A)	102
MGO (LB/A)	7

**FAYETTE**

SOIL TEST RESULTS		# SAMPLES: 288	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	30		
K (ppm)	100	K (% sat)	2.16
Mg (ppm)	155	Mg (% sat)	11.0
Ca (ppm)	1444	Ca (% sat)	59.1
CEC (meq/100 g)	11.8		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2767
N (LB/A)	81
P2O5 (LB/A)	90
K2O (LB/A)	142
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.

## Agronomic

**FOREST**

SOIL TEST RESULTS				# SAMPLES:	8
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.0				
ACIDITY (meq/100 g)	3.6				
P (ppm)*	34				
K (ppm)	117	K (% sat)	2.84		
Mg (ppm)	65	Mg (% sat)	5.4		
Ca (ppm)	1075	Ca (% sat)	53.1		
CEC (meq/100 g)	9.8				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	3638				
N (LB/A)	129				
P2O5 (LB/A)	68				
K2O (LB/A)	41				
MGO (LB/A)	20				

**FRANKLIN**

SOIL TEST RESULTS				# SAMPLES:	1384
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.7				
ACIDITY (meq/100 g)	1.3				
P (ppm)*	58				
K (ppm)	162	K (% sat)	3.91		
Mg (ppm)	158	Mg (% sat)	12.6		
Ca (ppm)	1595	Ca (% sat)	71.4		
CEC (meq/100 g)	10.7				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	964				
N (LB/A)	77				
P2O5 (LB/A)	31				
K2O (LB/A)	69				
MGO (LB/A)	6				

\*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: 140

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	55		
K (ppm)	155	K (% sat)	4.20
Mg (ppm)	150	Mg (% sat)	13.4
Ca (ppm)	1137	Ca (% sat)	60.0
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1882
N (LB/A)	56
P2O5 (LB/A)	38
K2O (LB/A)	72
MGO (LB/A)	4

**GREENE**

# SAMPLES: 136

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	4.8		
P (ppm)*	38		
K (ppm)	99	K (% sat)	1.98
Mg (ppm)	160	Mg (% sat)	10.5
Ca (ppm)	1290	Ca (% sat)	48.0
CEC (meq/100 g)	12.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	4112
N (LB/A)	62
P2O5 (LB/A)	77
K2O (LB/A)	168
MGO (LB/A)	34



## Agronomic

**HUNTINGDON**

# SAMPLES:

**331****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	50		
K (ppm)	134	K (% sat)	3.42
Mg (ppm)	142	Mg (% sat)	12.3
Ca (ppm)	1324	Ca (% sat)	67.6
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1470
N (LB/A)	72
P2O5 (LB/A)	57
K2O (LB/A)	117
MGO (LB/A)	15

**INDIANA**

# SAMPLES:

**363****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	34		
K (ppm)	103	K (% sat)	2.58
Mg (ppm)	133	Mg (% sat)	11.0
Ca (ppm)	1225	Ca (% sat)	56.5
CEC (meq/100 g)	10.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2679
N (LB/A)	82
P2O5 (LB/A)	86
K2O (LB/A)	128
MGO (LB/A)	27

## Agronomic

**JEFFERSON**

# SAMPLES: 138

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	28		
K (ppm)	100	K (% sat)	2.36
Mg (ppm)	115	Mg (% sat)	9.3
Ca (ppm)	1230	Ca (% sat)	58.2
CEC (meq/100 g)	10.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3149
N (LB/A)	66
P2O5 (LB/A)	87
K2O (LB/A)	110
MGO (LB/A)	29

**JUNIATA**

# SAMPLES: 187

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	58		
K (ppm)	135	K (% sat)	3.64
Mg (ppm)	116	Mg (% sat)	10.2
Ca (ppm)	1340	Ca (% sat)	68.7
CEC (meq/100 g)	9.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1568
N (LB/A)	47
P2O5 (LB/A)	36
K2O (LB/A)	77
MGO (LB/A)	6

## Agronomic

**LACKAWANNA**

# SAMPLES:

**167****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	40		
K (ppm)	49	K (% sat)	1.44
Mg (ppm)	253	Mg (% sat)	24.7
Ca (ppm)	695	Ca (% sat)	39.8
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2813
N (LB/A)	117
P2O5 (LB/A)	120
K2O (LB/A)	186
MGO (LB/A)	12

**LANCASTER**

# SAMPLES:

**715****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	123		
K (ppm)	176	K (% sat)	4.54
Mg (ppm)	189	Mg (% sat)	16.6
Ca (ppm)	1278	Ca (% sat)	65.4
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	792
N (LB/A)	107
P2O5 (LB/A)	9
K2O (LB/A)	41
MGO (LB/A)	2

## Agronomic

**LAWRENCE**

# SAMPLES:

**122****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	59		
K (ppm)	126	K (% sat)	3.27
Mg (ppm)	117	Mg (% sat)	9.9
Ca (ppm)	1344	Ca (% sat)	62.2
CEC (meq/100 g)	9.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1956
N (LB/A)	85
P2O5 (LB/A)	48
K2O (LB/A)	77
MGO (LB/A)	15

**LEBANON**

# SAMPLES:

**259****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	68		
K (ppm)	165	K (% sat)	3.92
Mg (ppm)	177	Mg (% sat)	14.0
Ca (ppm)	1622	Ca (% sat)	66.2
CEC (meq/100 g)	10.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1248
N (LB/A)	74
P2O5 (LB/A)	36
K2O (LB/A)	56
MGO (LB/A)	3

## Agronomic

**LEHIGH**

# SAMPLES: 117

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	66		
K (ppm)	140	K (% sat)	3.75
Mg (ppm)	183	Mg (% sat)	16.9
Ca (ppm)	1100	Ca (% sat)	58.6
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1664
N (LB/A)	58
P2O5 (LB/A)	27
K2O (LB/A)	44
MGO (LB/A)	0

**LUZERNE**

# SAMPLES: 89

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	89		
K (ppm)	97	K (% sat)	2.67
Mg (ppm)	110	Mg (% sat)	10.1
Ca (ppm)	948	Ca (% sat)	51.6
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2887
N (LB/A)	77
P2O5 (LB/A)	23
K2O (LB/A)	103
MGO (LB/A)	21

## Agronomic

**LYCOMING**

# SAMPLES:

**498**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	59		
K (ppm)	115	K (% sat)	3.37
Mg (ppm)	124	Mg (% sat)	11.9
Ca (ppm)	1095	Ca (% sat)	61.6
CEC (meq/100 g)	8.9		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1905
N (LB/A)	80
P2O5 (LB/A)	43
K2O (LB/A)	81
MGO (LB/A)	8

**MCKEAN**

# SAMPLES:

**85**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.3		
P (ppm)*	42		
K (ppm)	115	K (% sat)	2.53
Mg (ppm)	160	Mg (% sat)	11.8
Ca (ppm)	1128	Ca (% sat)	49.6
CEC (meq/100 g)	11.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4244
N (LB/A)	49
P2O5 (LB/A)	70
K2O (LB/A)	144
MGO (LB/A)	27

## Agronomic

**MERCER**

# SAMPLES: 485

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	46		
K (ppm)	102	K (% sat)	2.77
Mg (ppm)	127	Mg (% sat)	11.4
Ca (ppm)	1081	Ca (% sat)	57.5
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2347
N (LB/A)	80
P2O5 (LB/A)	49
K2O (LB/A)	88
MGO (LB/A)	11

**MIFFLIN**

# SAMPLES: 114

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	71		
K (ppm)	164	K (% sat)	4.01
Mg (ppm)	137	Mg (% sat)	11.4
Ca (ppm)	1285	Ca (% sat)	63.3
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1690
N (LB/A)	79
P2O5 (LB/A)	33
K2O (LB/A)	54
MGO (LB/A)	16

## Agronomic

**MONROE**

# SAMPLES:

**61****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	71		
K (ppm)	108	K (% sat)	2.50
Mg (ppm)	151	Mg (% sat)	12.0
Ca (ppm)	1518	Ca (% sat)	62.0
CEC (meq/100 g)	10.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1774
N (LB/A)	119
P2O5 (LB/A)	36
K2O (LB/A)	99
MGO (LB/A)	26

**MONTGOMERY**

# SAMPLES:

**114****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	122		
K (ppm)	113	K (% sat)	2.86
Mg (ppm)	230	Mg (% sat)	18.6
Ca (ppm)	1240	Ca (% sat)	61.6
CEC (meq/100 g)	10.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	892
N (LB/A)	92
P2O5 (LB/A)	20
K2O (LB/A)	67
MGO (LB/A)	3



## Agronomic

**MONTOUR**

# SAMPLES:

**83****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	73		
K (ppm)	130	K (% sat)	3.32
Mg (ppm)	120	Mg (% sat)	10.3
Ca (ppm)	1199	Ca (% sat)	60.3
CEC (meq/100 g)	9.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2293
N (LB/A)	78
P2O5 (LB/A)	32
K2O (LB/A)	66
MGO (LB/A)	15

**NORTHAMPTON**

# SAMPLES:

**152****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	103		
K (ppm)	175	K (% sat)	4.13
Mg (ppm)	150	Mg (% sat)	12.4
Ca (ppm)	1453	Ca (% sat)	63.7
CEC (meq/100 g)	10.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1511
N (LB/A)	103
P2O5 (LB/A)	31
K2O (LB/A)	49
MGO (LB/A)	6

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**432**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	78		
K (ppm)	115	K (% sat)	3.13
Mg (ppm)	114	Mg (% sat)	10.4
Ca (ppm)	1151	Ca (% sat)	62.1
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1765
N (LB/A)	72
P2O5 (LB/A)	20
K2O (LB/A)	47
MGO (LB/A)	4

**PERRY**

# SAMPLES:

**526**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	59		
K (ppm)	141	K (% sat)	3.81
Mg (ppm)	154	Mg (% sat)	13.8
Ca (ppm)	1186	Ca (% sat)	61.7
CEC (meq/100 g)	9.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1478
N (LB/A)	79
P2O5 (LB/A)	34
K2O (LB/A)	61
MGO (LB/A)	4

## Agronomic

**PHILADELPHIA**

# SAMPLES: 11

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.5		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	118		
K (ppm)	18	K (% sat)	1.41
Mg (ppm)	48	Mg (% sat)	8.8
Ca (ppm)	385	Ca (% sat)	18.7
CEC (meq/100 g)	5.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2318
N (LB/A)	0
P2O5 (LB/A)	11
K2O (LB/A)	26
MGO (LB/A)	0

**PIKE**

# SAMPLES: 19

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.0		
P (ppm)*	91		
K (ppm)	80	K (% sat)	2.01
Mg (ppm)	109	Mg (% sat)	9.7
Ca (ppm)	905	Ca (% sat)	43.5
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3147
N (LB/A)	22
P2O5 (LB/A)	23
K2O (LB/A)	122
MGO (LB/A)	39

## Agronomic

**POTTER**# SAMPLES: **323**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	58		
K (ppm)	124	K (% sat)	2.93
Mg (ppm)	153	Mg (% sat)	11.9
Ca (ppm)	1146	Ca (% sat)	52.9
CEC (meq/100 g)	10.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3943
N (LB/A)	67
P2O5 (LB/A)	45
K2O (LB/A)	125
MGO (LB/A)	5

**SCHUYLKILL**# SAMPLES: **294**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	102		
K (ppm)	133	K (% sat)	3.58
Mg (ppm)	167	Mg (% sat)	15.3
Ca (ppm)	1050	Ca (% sat)	55.7
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1996
N (LB/A)	69
P2O5 (LB/A)	20
K2O (LB/A)	53
MGO (LB/A)	10

## Agronomic

**SNYDER**

# SAMPLES:

**258****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	67		
K (ppm)	130	K (% sat)	3.78
Mg (ppm)	94	Mg (% sat)	9.1
Ca (ppm)	1111	Ca (% sat)	63.6
CEC (meq/100 g)	8.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1828
N (LB/A)	65
P2O5 (LB/A)	27
K2O (LB/A)	69
MGO (LB/A)	6

**SOMERSET**

# SAMPLES:

**336****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	42		
K (ppm)	123	K (% sat)	2.74
Mg (ppm)	130	Mg (% sat)	9.5
Ca (ppm)	1290	Ca (% sat)	55.8
CEC (meq/100 g)	11.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3464
N (LB/A)	82
P2O5 (LB/A)	68
K2O (LB/A)	111
MGO (LB/A)	27

## Agronomic

**SULLIVAN**

# SAMPLES: 41

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	56		
K (ppm)	95	K (% sat)	2.34
Mg (ppm)	134	Mg (% sat)	11.3
Ca (ppm)	1092	Ca (% sat)	53.5
CEC (meq/100 g)	10.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2756
N (LB/A)	86
P2O5 (LB/A)	37
K2O (LB/A)	117
MGO (LB/A)	8

**SUSQUEHANNA**

# SAMPLES: 332

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	71		
K (ppm)	117	K (% sat)	2.99
Mg (ppm)	206	Mg (% sat)	17.4
Ca (ppm)	1067	Ca (% sat)	53.5
CEC (meq/100 g)	9.9		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1893
N (LB/A)	89
P2O5 (LB/A)	41
K2O (LB/A)	143
MGO (LB/A)	11

## Agronomic

## TIOGA

SOIL TEST RESULTS				# SAMPLES:	594
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.3				
ACIDITY (meq/100 g)	2.4				
P (ppm)*	49				
K (ppm)	110	K (% sat)	2.84		
Mg (ppm)	150	Mg (% sat)	12.7		
Ca (ppm)	1213	Ca (% sat)	60.8		
CEC (meq/100 g)	10.0				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	1977				
N (LB/A)	51				
P2O5 (LB/A)	50				
K2O (LB/A)	134				
MGO (LB/A)	6				

## UNION

SOIL TEST RESULTS				# SAMPLES:	439
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.6				
ACIDITY (meq/100 g)	1.6				
P (ppm)*	60				
K (ppm)	128	K (% sat)	3.53		
Mg (ppm)	133	Mg (% sat)	12.2		
Ca (ppm)	1228	Ca (% sat)	66.5		
CEC (meq/100 g)	9.2				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION	AVERAGE				
LIME (LB/A)	1168				
N (LB/A)	64				
P2O5 (LB/A)	34				
K2O (LB/A)	66				
MGO (LB/A)	7				

## Agronomic

**VENANGO**

# SAMPLES:

**64****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	34		
K (ppm)	88	K (% sat)	2.22
Mg (ppm)	99	Mg (% sat)	8.2
Ca (ppm)	1095	Ca (% sat)	54.9
CEC (meq/100 g)	10.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3191
N (LB/A)	71
P2O5 (LB/A)	85
K2O (LB/A)	127
MGO (LB/A)	38

**WARREN**

# SAMPLES:

**107****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	51		
K (ppm)	111	K (% sat)	2.80
Mg (ppm)	150	Mg (% sat)	12.6
Ca (ppm)	1088	Ca (% sat)	54.7
CEC (meq/100 g)	10.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2654
N (LB/A)	65
P2O5 (LB/A)	50
K2O (LB/A)	116
MGO (LB/A)	3



## Agronomic

**WASHINGTON**# SAMPLES: **346****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	34		
K (ppm)	111	K (% sat)	2.29
Mg (ppm)	177	Mg (% sat)	12.2
Ca (ppm)	1351	Ca (% sat)	54.2
CEC (meq/100 g)	12.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3580
N (LB/A)	62
P2O5 (LB/A)	77
K2O (LB/A)	143
MGO (LB/A)	15

**WAYNE**# SAMPLES: **163****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	112		
K (ppm)	104	K (% sat)	2.30
Mg (ppm)	152	Mg (% sat)	11.5
Ca (ppm)	1181	Ca (% sat)	52.8
CEC (meq/100 g)	10.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2629
N (LB/A)	117
P2O5 (LB/A)	27
K2O (LB/A)	180
MGO (LB/A)	37

## Agronomic

**WESTMORELAND**

# SAMPLES: 313

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	39		
K (ppm)	114	K (% sat)	2.45
Mg (ppm)	181	Mg (% sat)	12.6
Ca (ppm)	1405	Ca (% sat)	54.7
CEC (meq/100 g)	12.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3351
N (LB/A)	64
P2O5 (LB/A)	71
K2O (LB/A)	118
MGO (LB/A)	16

**WYOMING**

# SAMPLES: 117

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	89		
K (ppm)	110	K (% sat)	3.13
Mg (ppm)	168	Mg (% sat)	16.5
Ca (ppm)	938	Ca (% sat)	55.0
CEC (meq/100 g)	8.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1857
N (LB/A)	70
P2O5 (LB/A)	12
K2O (LB/A)	111
MGO (LB/A)	9

## Agronomic

YORK

# SAMPLES:

672

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	63		
K (ppm)	124	K (% sat)	3.50
Mg (ppm)	156	Mg (% sat)	14.4
Ca (ppm)	1136	Ca (% sat)	61.3
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1492
N (LB/A)	81
P2O5 (LB/A)	30
K2O (LB/A)	62
MGO (LB/A)	6