

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1990-1991

# SAMPLES: 15402

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	58		
K (ppm)	131	K (% sat)	3.54
Mg (ppm)	159	Mg (% sat)	14.1
Ca (ppm)	1156	Ca (% sat)	60.6
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1762
N (LB/A)	86
P2O5 (LB/A)	46
K2O (LB/A)	72
MGO (LB/A)	5

\*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: 213

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	47		
K (ppm)	127	K (% sat)	3.29
Mg (ppm)	202	Mg (% sat)	16.2
Ca (ppm)	1164	Ca (% sat)	58.7
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2056
N (LB/A)	63
P2O5 (LB/A)	59
K2O (LB/A)	76
MGO (LB/A)	4

**ALLEGHENY**

# SAMPLES: 38

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	63		
K (ppm)	241	K (% sat)	2.84
Mg (ppm)	361	Mg (% sat)	16.1
Ca (ppm)	2576	Ca (% sat)	52.6
CEC (meq/100 g)	15.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3153
N (LB/A)	44
P2O5 (LB/A)	69
K2O (LB/A)	112
MGO (LB/A)	18

## Agronomic

**ARMSTRONG**

# SAMPLES:

**143**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	47		
K (ppm)	125	K (% sat)	2.98
Mg (ppm)	141	Mg (% sat)	11.0
Ca (ppm)	1246	Ca (% sat)	59.7
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2328
N (LB/A)	75
P2O5 (LB/A)	52
K2O (LB/A)	75
MGO (LB/A)	9

**BEAVER**

# SAMPLES:

**97**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	57		
K (ppm)	139	K (% sat)	3.37
Mg (ppm)	127	Mg (% sat)	10.1
Ca (ppm)	1211	Ca (% sat)	57.6
CEC (meq/100 g)	10.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3349
N (LB/A)	76
P2O5 (LB/A)	82
K2O (LB/A)	114
MGO (LB/A)	15

## Agronomic

**BEDFORD**

# SAMPLES:

**477**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	43		
K (ppm)	129	K (% sat)	3.66
Mg (ppm)	144	Mg (% sat)	13.5
Ca (ppm)	1133	Ca (% sat)	62.9
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1531
N (LB/A)	98
P2O5 (LB/A)	60
K2O (LB/A)	83
MGO (LB/A)	4

**BERKS**

# SAMPLES:

**506**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	68		
K (ppm)	123	K (% sat)	3.50
Mg (ppm)	182	Mg (% sat)	17.4
Ca (ppm)	1047	Ca (% sat)	60.6
CEC (meq/100 g)	8.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1032
N (LB/A)	43
P2O5 (LB/A)	16
K2O (LB/A)	27
MGO (LB/A)	2

## Agronomic

**BLAIR**

SOIL TEST RESULTS		# SAMPLES: 569	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	50		
K (ppm)	140	K (% sat)	4.02
Mg (ppm)	175	Mg (% sat)	16.2
Ca (ppm)	1209	Ca (% sat)	67.9
CEC (meq/100 g)	9.0		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (LB/A)	836		
N (LB/A)	80		
P2O5 (LB/A)	47		
K2O (LB/A)	74		
MGO (LB/A)	1		

**BRADFORD**

SOIL TEST RESULTS		# SAMPLES: 609	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	72		
K (ppm)	139	K (% sat)	3.53
Mg (ppm)	177	Mg (% sat)	15.4
Ca (ppm)	1135	Ca (% sat)	58.5
CEC (meq/100 g)	9.7		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (LB/A)	1903		
N (LB/A)	67		
P2O5 (LB/A)	35		
K2O (LB/A)	95		
MGO (LB/A)	2		

## Agronomic

**BUCKS**

SOIL TEST RESULTS		# SAMPLES: 216	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	43		
K (ppm)	83	K (% sat)	2.37
Mg (ppm)	206	Mg (% sat)	19.8
Ca (ppm)	868	Ca (% sat)	49.4
CEC (meq/100 g)	8.9		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		1868	
N (LB/A)		95	
P2O5 (LB/A)		63	
K2O (LB/A)		100	
MGO (LB/A)		0	

**BUTLER**

SOIL TEST RESULTS		# SAMPLES: 208	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	33		
K (ppm)	112	K (% sat)	2.76
Mg (ppm)	136	Mg (% sat)	11.0
Ca (ppm)	1230	Ca (% sat)	60.2
CEC (meq/100 g)	10.3		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		2495	
N (LB/A)		92	
P2O5 (LB/A)		78	
K2O (LB/A)		76	
MGO (LB/A)		9	

## Agronomic

**CAMBRIA**

# SAMPLES:

**67**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.2		
P (ppm)*	42		
K (ppm)	122	K (% sat)	2.68
Mg (ppm)	139	Mg (% sat)	10.4
Ca (ppm)	1142	Ca (% sat)	49.9
CEC (meq/100 g)	11.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4055
N (LB/A)	76
P2O5 (LB/A)	86
K2O (LB/A)	98
MGO (LB/A)	27

**CAMERON**

# SAMPLES:

**9**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.8		
P (ppm)*	33		
K (ppm)	85	K (% sat)	2.07
Mg (ppm)	80	Mg (% sat)	6.6
Ca (ppm)	1280	Ca (% sat)	60.6
CEC (meq/100 g)	11.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2956
N (LB/A)	92
P2O5 (LB/A)	92
K2O (LB/A)	137
MGO (LB/A)	74

## Agronomic

**CARBON**# SAMPLES: **194**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	84		
K (ppm)	47	K (% sat)	1.44
Mg (ppm)	127	Mg (% sat)	13.4
Ca (ppm)	992	Ca (% sat)	59.9
CEC (meq/100 g)	8.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1702
N (LB/A)	100
P2O5 (LB/A)	41
K2O (LB/A)	179
MGO (LB/A)	12

**CENTRE**# SAMPLES: **822**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	56		
K (ppm)	134	K (% sat)	3.67
Mg (ppm)	135	Mg (% sat)	11.7
Ca (ppm)	1349	Ca (% sat)	69.7
CEC (meq/100 g)	9.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	985
N (LB/A)	96
P2O5 (LB/A)	38
K2O (LB/A)	58
MGO (LB/A)	5



## Agronomic

**CHESTER**

# SAMPLES:

**229**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	55		
K (ppm)	154	K (% sat)	4.31
Mg (ppm)	219	Mg (% sat)	20.6
Ca (ppm)	1049	Ca (% sat)	58.4
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	824
N (LB/A)	110
P2O5 (LB/A)	44
K2O (LB/A)	56
MGO (LB/A)	4

**CLARION**

# SAMPLES:

**130**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	27		
K (ppm)	90	K (% sat)	2.25
Mg (ppm)	102	Mg (% sat)	8.5
Ca (ppm)	1035	Ca (% sat)	51.7
CEC (meq/100 g)	10.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3495
N (LB/A)	79
P2O5 (LB/A)	68
K2O (LB/A)	74
MGO (LB/A)	11

## Agronomic

**CLEARFIELD**

# SAMPLES:

**254**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	28		
K (ppm)	93	K (% sat)	2.30
Mg (ppm)	130	Mg (% sat)	10.5
Ca (ppm)	1210	Ca (% sat)	59.9
CEC (meq/100 g)	10.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2237
N (LB/A)	60
P2O5 (LB/A)	92
K2O (LB/A)	129
MGO (LB/A)	11

**CLINTON**

# SAMPLES:

**126**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	51		
K (ppm)	138	K (% sat)	3.88
Mg (ppm)	151	Mg (% sat)	14.0
Ca (ppm)	1023	Ca (% sat)	56.6
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2202
N (LB/A)	92
P2O5 (LB/A)	40
K2O (LB/A)	73
MGO (LB/A)	9

## Agronomic

**COLUMBIA**

# SAMPLES:

**279****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	67		
K (ppm)	121	K (% sat)	3.61
Mg (ppm)	112	Mg (% sat)	11.1
Ca (ppm)	987	Ca (% sat)	58.5
CEC (meq/100 g)	8.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1520
N (LB/A)	92
P2O5 (LB/A)	25
K2O (LB/A)	37
MGO (LB/A)	4

**CRAWFORD**

# SAMPLES:

**372****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	53		
K (ppm)	110	K (% sat)	2.83
Mg (ppm)	157	Mg (% sat)	13.6
Ca (ppm)	1017	Ca (% sat)	52.6
CEC (meq/100 g)	10.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2693
N (LB/A)	74
P2O5 (LB/A)	45
K2O (LB/A)	91
MGO (LB/A)	6

## Agronomic

**CUMBERLAND**

# SAMPLES:

**353**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	57		
K (ppm)	145	K (% sat)	4.44
Mg (ppm)	152	Mg (% sat)	15.2
Ca (ppm)	1138	Ca (% sat)	67.1
CEC (meq/100 g)	8.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	834
N (LB/A)	105
P2O5 (LB/A)	36
K2O (LB/A)	38
MGO (LB/A)	2

**DAUPHIN**

# SAMPLES:

**204**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	80		
K (ppm)	151	K (% sat)	3.99
Mg (ppm)	137	Mg (% sat)	12.1
Ca (ppm)	1149	Ca (% sat)	60.1
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1960
N (LB/A)	82
P2O5 (LB/A)	21
K2O (LB/A)	36
MGO (LB/A)	1

## Agronomic

**DELAWARE**# SAMPLES: **44****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	2.5		
P (ppm)*	48		
K (ppm)	117	K (% sat)	2.87
Mg (ppm)	282	Mg (% sat)	20.1
Ca (ppm)	1188	Ca (% sat)	54.9
CEC (meq/100 g)	10.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1668
N (LB/A)	116
P2O5 (LB/A)	65
K2O (LB/A)	43
MGO (LB/A)	15

**ELK**# SAMPLES: **44****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	61		
K (ppm)	118	K (% sat)	2.74
Mg (ppm)	89	Mg (% sat)	7.0
Ca (ppm)	1359	Ca (% sat)	65.0
CEC (meq/100 g)	10.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2389
N (LB/A)	60
P2O5 (LB/A)	80
K2O (LB/A)	132
MGO (LB/A)	27

## Agronomic

**ERIE**

SOIL TEST RESULTS				# SAMPLES:	187
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.1				
ACIDITY (meq/100 g)	3.9				
P (ppm)*	48				
K (ppm)	111	K (% sat)	2.73		
Mg (ppm)	162	Mg (% sat)	12.8		
Ca (ppm)	997	Ca (% sat)	47.6		
CEC (meq/100 g)	10.5				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		3498			
N (LB/A)		72			
P2O5 (LB/A)		69			
K2O (LB/A)		113			
MGO (LB/A)		4			

**FAYETTE**

SOIL TEST RESULTS				# SAMPLES:	140
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.0				
ACIDITY (meq/100 g)	4.4				
P (ppm)*	25				
K (ppm)	110	K (% sat)	2.24		
Mg (ppm)	165	Mg (% sat)	10.7		
Ca (ppm)	1534	Ca (% sat)	55.6		
CEC (meq/100 g)	13.1				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		3893			
N (LB/A)		83			
P2O5 (LB/A)		103			
K2O (LB/A)		136			
MGO (LB/A)		19			

## Agronomic

**FOREST**

# SAMPLES:

**10****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	47		
K (ppm)	105	K (% sat)	2.95
Mg (ppm)	86	Mg (% sat)	8.0
Ca (ppm)	940	Ca (% sat)	54.9
CEC (meq/100 g)	8.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2750
N (LB/A)	84
P2O5 (LB/A)	46
K2O (LB/A)	100
MGO (LB/A)	8

**FRANKLIN**

# SAMPLES:

**598****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	47		
K (ppm)	168	K (% sat)	4.44
Mg (ppm)	164	Mg (% sat)	14.3
Ca (ppm)	1343	Ca (% sat)	69.2
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	818
N (LB/A)	97
P2O5 (LB/A)	49
K2O (LB/A)	57
MGO (LB/A)	3

## Agronomic

**FULTON**

# SAMPLES:

**89**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	48		
K (ppm)	141	K (% sat)	4.14
Mg (ppm)	154	Mg (% sat)	14.6
Ca (ppm)	1133	Ca (% sat)	64.9
CEC (meq/100 g)	8.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1126
N (LB/A)	96
P2O5 (LB/A)	45
K2O (LB/A)	60
MGO (LB/A)	1

**GREENE**

# SAMPLES:

**51**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.3		
P (ppm)*	23		
K (ppm)	102	K (% sat)	2.03
Mg (ppm)	161	Mg (% sat)	10.6
Ca (ppm)	1420	Ca (% sat)	53.3
CEC (meq/100 g)	12.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3994
N (LB/A)	44
P2O5 (LB/A)	103
K2O (LB/A)	187
MGO (LB/A)	41



## Agronomic

**HUNTINGDON**

# SAMPLES:

**307****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	43		
K (ppm)	135	K (% sat)	3.63
Mg (ppm)	155	Mg (% sat)	13.5
Ca (ppm)	1307	Ca (% sat)	66.6
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1299
N (LB/A)	82
P2O5 (LB/A)	57
K2O (LB/A)	81
MGO (LB/A)	6

**INDIANA**

# SAMPLES:

**368****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	44		
K (ppm)	114	K (% sat)	2.78
Mg (ppm)	154	Mg (% sat)	12.6
Ca (ppm)	1133	Ca (% sat)	55.6
CEC (meq/100 g)	10.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2465
N (LB/A)	89
P2O5 (LB/A)	60
K2O (LB/A)	81
MGO (LB/A)	4

## Agronomic

**JEFFERSON**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	30		
K (ppm)	100	K (% sat)	2.50
Mg (ppm)	128	Mg (% sat)	10.6
Ca (ppm)	1067	Ca (% sat)	53.6
CEC (meq/100 g)	10.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3159
N (LB/A)	59
P2O5 (LB/A)	88
K2O (LB/A)	119
MGO (LB/A)	12

**JUNIATA**

# SAMPLES:

**287****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	55		
K (ppm)	163	K (% sat)	4.57
Mg (ppm)	135	Mg (% sat)	12.5
Ca (ppm)	1243	Ca (% sat)	67.0
CEC (meq/100 g)	9.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1538
N (LB/A)	71
P2O5 (LB/A)	41
K2O (LB/A)	37
MGO (LB/A)	3

## Agronomic

**LACKAWANNA**

# SAMPLES:

**38****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	103		
K (ppm)	123	K (% sat)	3.31
Mg (ppm)	180	Mg (% sat)	16.7
Ca (ppm)	1116	Ca (% sat)	62.0
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1671
N (LB/A)	71
P2O5 (LB/A)	7
K2O (LB/A)	86
MGO (LB/A)	0

**LANCASTER**

# SAMPLES:

**1054****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.0		
P (ppm)*	104		
K (ppm)	181	K (% sat)	5.09
Mg (ppm)	203	Mg (% sat)	18.8
Ca (ppm)	1187	Ca (% sat)	65.1
CEC (meq/100 g)	9.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	624
N (LB/A)	121
P2O5 (LB/A)	11
K2O (LB/A)	36
MGO (LB/A)	1

## Agronomic

**LAWRENCE**

# SAMPLES:

**140**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	37		
K (ppm)	115	K (% sat)	2.89
Mg (ppm)	107	Mg (% sat)	9.1
Ca (ppm)	1324	Ca (% sat)	65.4
CEC (meq/100 g)	10.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2042
N (LB/A)	74
P2O5 (LB/A)	65
K2O (LB/A)	69
MGO (LB/A)	6

**LEBANON**

# SAMPLES:

**150**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	67		
K (ppm)	180	K (% sat)	4.85
Mg (ppm)	192	Mg (% sat)	17.2
Ca (ppm)	1197	Ca (% sat)	63.1
CEC (meq/100 g)	9.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	983
N (LB/A)	84
P2O5 (LB/A)	25
K2O (LB/A)	33
MGO (LB/A)	2

## Agronomic

**LEHIGH**

# SAMPLES: 58

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.0		
P (ppm)*	70		
K (ppm)	183	K (% sat)	5.32
Mg (ppm)	196	Mg (% sat)	19.1
Ca (ppm)	1148	Ca (% sat)	65.3
CEC (meq/100 g)	8.8		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	688
N (LB/A)	62
P2O5 (LB/A)	41
K2O (LB/A)	37
MGO (LB/A)	1

**LUZERNE**

# SAMPLES: 113

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.8		
P (ppm)*	83		
K (ppm)	102	K (% sat)	2.79
Mg (ppm)	109	Mg (% sat)	10.0
Ca (ppm)	866	Ca (% sat)	48.4
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3239
N (LB/A)	85
P2O5 (LB/A)	21
K2O (LB/A)	74
MGO (LB/A)	8

## Agronomic

**LYCOMING**

# SAMPLES:

**400**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	61		
K (ppm)	122	K (% sat)	3.42
Mg (ppm)	129	Mg (% sat)	12.0
Ca (ppm)	1076	Ca (% sat)	59.6
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2068
N (LB/A)	92
P2O5 (LB/A)	42
K2O (LB/A)	66
MGO (LB/A)	3

**MCKEAN**

# SAMPLES:

**40**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.9		
P (ppm)*	40		
K (ppm)	115	K (% sat)	2.24
Mg (ppm)	201	Mg (% sat)	13.5
Ca (ppm)	1117	Ca (% sat)	45.1
CEC (meq/100 g)	12.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4808
N (LB/A)	74
P2O5 (LB/A)	78
K2O (LB/A)	162
MGO (LB/A)	28

## Agronomic

**MERCER**

# SAMPLES: 257

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	46		
K (ppm)	105	K (% sat)	2.83
Mg (ppm)	130	Mg (% sat)	11.6
Ca (ppm)	994	Ca (% sat)	53.4
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2713
N (LB/A)	85
P2O5 (LB/A)	52
K2O (LB/A)	72
MGO (LB/A)	6

**MIFFLIN**

# SAMPLES: 208

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	67		
K (ppm)	164	K (% sat)	4.91
Mg (ppm)	152	Mg (% sat)	14.9
Ca (ppm)	1129	Ca (% sat)	64.0
CEC (meq/100 g)	8.7		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1124
N (LB/A)	80
P2O5 (LB/A)	21
K2O (LB/A)	41
MGO (LB/A)	6

## Agronomic

**MONROE**

# SAMPLES:

**65**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	71		
K (ppm)	106	K (% sat)	2.63
Mg (ppm)	123	Mg (% sat)	10.5
Ca (ppm)	1082	Ca (% sat)	52.6
CEC (meq/100 g)	10.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3337
N (LB/A)	129
P2O5 (LB/A)	62
K2O (LB/A)	123
MGO (LB/A)	14

**MONTGOMERY**

# SAMPLES:

**85**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	71		
K (ppm)	128	K (% sat)	3.00
Mg (ppm)	274	Mg (% sat)	20.5
Ca (ppm)	1150	Ca (% sat)	51.2
CEC (meq/100 g)	11.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1647
N (LB/A)	90
P2O5 (LB/A)	33
K2O (LB/A)	66
MGO (LB/A)	2



## Agronomic

**MONTOUR**

# SAMPLES:

**102**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	73		
K (ppm)	119	K (% sat)	3.57
Mg (ppm)	138	Mg (% sat)	13.8
Ca (ppm)	1035	Ca (% sat)	60.9
CEC (meq/100 g)	8.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1619
N (LB/A)	81
P2O5 (LB/A)	39
K2O (LB/A)	66
MGO (LB/A)	3

**NORTHAMPTON**

# SAMPLES:

**100**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	61		
K (ppm)	129	K (% sat)	3.53
Mg (ppm)	123	Mg (% sat)	12.3
Ca (ppm)	1227	Ca (% sat)	65.0
CEC (meq/100 g)	9.2		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1159
N (LB/A)	94
P2O5 (LB/A)	36
K2O (LB/A)	28
MGO (LB/A)	14

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**394**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	62		
K (ppm)	124	K (% sat)	3.48
Mg (ppm)	133	Mg (% sat)	12.4
Ca (ppm)	1159	Ca (% sat)	65.2
CEC (meq/100 g)	9.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1360
N (LB/A)	93
P2O5 (LB/A)	34
K2O (LB/A)	47
MGO (LB/A)	1

**PERRY**

# SAMPLES:

**278**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.4		
P (ppm)*	51		
K (ppm)	138	K (% sat)	3.65
Mg (ppm)	172	Mg (% sat)	15.2
Ca (ppm)	1309	Ca (% sat)	67.3
CEC (meq/100 g)	9.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1062
N (LB/A)	67
P2O5 (LB/A)	48
K2O (LB/A)	65
MGO (LB/A)	1

## Agronomic

**PHILADELPHIA**

# SAMPLES:

**5****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	7.1		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	14		
K (ppm)	71	K (% sat)	1.88
Mg (ppm)	118	Mg (% sat)	10.5
Ca (ppm)	2092	Ca (% sat)	63.6
CEC (meq/100 g)	9.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1280
N (LB/A)	0
P2O5 (LB/A)	0
K2O (LB/A)	0
MGO (LB/A)	0

**PIKE**

# SAMPLES:

**2****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	38		
K (ppm)	29	K (% sat)	0.90
Mg (ppm)	90	Mg (% sat)	8.5
Ca (ppm)	760	Ca (% sat)	44.2
CEC (meq/100 g)	8.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3000
N (LB/A)	75
P2O5 (LB/A)	50
K2O (LB/A)	220
MGO (LB/A)	0

## Agronomic

**POTTER**

# SAMPLES: 184

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	43		
K (ppm)	112	K (% sat)	2.67
Mg (ppm)	177	Mg (% sat)	14.2
Ca (ppm)	1073	Ca (% sat)	51.3
CEC (meq/100 g)	10.5		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3066
N (LB/A)	76
P2O5 (LB/A)	58
K2O (LB/A)	125
MGO (LB/A)	2

**SCHUYLKILL**

# SAMPLES: 152

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.7		
P (ppm)*	101		
K (ppm)	131	K (% sat)	3.64
Mg (ppm)	160	Mg (% sat)	14.9
Ca (ppm)	997	Ca (% sat)	55.2
CEC (meq/100 g)	9.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2301
N (LB/A)	71
P2O5 (LB/A)	27
K2O (LB/A)	63
MGO (LB/A)	1

## Agronomic

**SNYDER**# SAMPLES: **360**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	68		
K (ppm)	137	K (% sat)	3.81
Mg (ppm)	121	Mg (% sat)	11.1
Ca (ppm)	1198	Ca (% sat)	66.0
CEC (meq/100 g)	9.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1300
N (LB/A)	86
P2O5 (LB/A)	39
K2O (LB/A)	50
MGO (LB/A)	6

**SOMERSET**# SAMPLES: **251**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	35		
K (ppm)	125	K (% sat)	2.91
Mg (ppm)	144	Mg (% sat)	10.9
Ca (ppm)	1177	Ca (% sat)	53.4
CEC (meq/100 g)	11.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3312
N (LB/A)	71
P2O5 (LB/A)	82
K2O (LB/A)	109
MGO (LB/A)	13

## Agronomic

**SULLIVAN**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	61		
K (ppm)	129	K (% sat)	3.36
Mg (ppm)	144	Mg (% sat)	12.7
Ca (ppm)	889	Ca (% sat)	45.9
CEC (meq/100 g)	9.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2556
N (LB/A)	61
P2O5 (LB/A)	35
K2O (LB/A)	64
MGO (LB/A)	0

**SUSQUEHANNA**

# SAMPLES:

**137****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	72		
K (ppm)	143	K (% sat)	3.52
Mg (ppm)	198	Mg (% sat)	16.7
Ca (ppm)	989	Ca (% sat)	49.4
CEC (meq/100 g)	10.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2394
N (LB/A)	94
P2O5 (LB/A)	43
K2O (LB/A)	111
MGO (LB/A)	11

## Agronomic

TIOGA

SOIL TEST RESULTS		# SAMPLES: 456	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	48		
K (ppm)	124	K (% sat)	3.05
Mg (ppm)	172	Mg (% sat)	14.1
Ca (ppm)	1176	Ca (% sat)	57.3
CEC (meq/100 g)	10.3		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		2185	
N (LB/A)		75	
P2O5 (LB/A)		49	
K2O (LB/A)		88	
MGO (LB/A)		4	

UNION

SOIL TEST RESULTS		# SAMPLES: 606	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	57		
K (ppm)	137	K (% sat)	3.79
Mg (ppm)	146	Mg (% sat)	13.3
Ca (ppm)	1155	Ca (% sat)	62.4
CEC (meq/100 g)	9.3		
SOIL TEST RECOMMENDATIONS		AVERAGE	
RECOMMENDATION			
LIME (LB/A)		1409	
N (LB/A)		76	
P2O5 (LB/A)		34	
K2O (LB/A)		41	
MGO (LB/A)		1	

## Agronomic

**VENANGO**

# SAMPLES:

**58****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.2		
P (ppm)*	28		
K (ppm)	77	K (% sat)	2.19
Mg (ppm)	114	Mg (% sat)	11.0
Ca (ppm)	934	Ca (% sat)	53.4
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2922
N (LB/A)	71
P2O5 (LB/A)	97
K2O (LB/A)	142
MGO (LB/A)	17

**WARREN**

# SAMPLES:

**91****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	86		
K (ppm)	119	K (% sat)	2.83
Mg (ppm)	167	Mg (% sat)	13.1
Ca (ppm)	1118	Ca (% sat)	51.8
CEC (meq/100 g)	10.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3096
N (LB/A)	89
P2O5 (LB/A)	54
K2O (LB/A)	137
MGO (LB/A)	11



## Agronomic

**WASHINGTON**

# SAMPLES:

**209****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.5		
P (ppm)*	29		
K (ppm)	114	K (% sat)	2.44
Mg (ppm)	176	Mg (% sat)	12.3
Ca (ppm)	1188	Ca (% sat)	49.3
CEC (meq/100 g)	12.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4491
N (LB/A)	62
P2O5 (LB/A)	100
K2O (LB/A)	140
MGO (LB/A)	10

**WAYNE**

# SAMPLES:

**67****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	4.9		
P (ppm)*	85		
K (ppm)	92	K (% sat)	2.18
Mg (ppm)	126	Mg (% sat)	10.1
Ca (ppm)	924	Ca (% sat)	44.0
CEC (meq/100 g)	10.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4188
N (LB/A)	100
P2O5 (LB/A)	33
K2O (LB/A)	158
MGO (LB/A)	14

## Agronomic

**WESTMORELAND**

# SAMPLES:

**224****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	25		
K (ppm)	118	K (% sat)	2.57
Mg (ppm)	198	Mg (% sat)	14.0
Ca (ppm)	1382	Ca (% sat)	58.3
CEC (meq/100 g)	11.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2601
N (LB/A)	87
P2O5 (LB/A)	112
K2O (LB/A)	133
MGO (LB/A)	18

**WYOMING**

# SAMPLES:

**176****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	90		
K (ppm)	97	K (% sat)	2.92
Mg (ppm)	178	Mg (% sat)	18.2
Ca (ppm)	914	Ca (% sat)	54.9
CEC (meq/100 g)	8.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1334
N (LB/A)	116
P2O5 (LB/A)	20
K2O (LB/A)	112
MGO (LB/A)	1

## Agronomic

YORK

# SAMPLES:

573

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	61		
K (ppm)	123	K (% sat)	3.74
Mg (ppm)	160	Mg (% sat)	15.7
Ca (ppm)	996	Ca (% sat)	58.7
CEC (meq/100 g)	8.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1497
N (LB/A)	109
P2O5 (LB/A)	36
K2O (LB/A)	45
MGO (LB/A)	0

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