

SUMMARY REPORT-  
SOIL TEST RESULTS AND RECOMMENDATIONS  
Agronomic

1989-1990

# SAMPLES: 19889

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.1		
P (ppm)*	67		
K (ppm)	143	K (% sat)	3.79
Mg (ppm)	171	Mg (% sat)	14.9
Ca (ppm)	1197	Ca (% sat)	61.3
CEC (meq/100 g)	9.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1754
N (LB/A)	78
P2O5 (LB/A)	39
K2O (LB/A)	71
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

**ADAMS**

# SAMPLES: 437

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	44		
K (ppm)	120	K (% sat)	3.01
Mg (ppm)	216	Mg (% sat)	17.1
Ca (ppm)	1307	Ca (% sat)	64.0
CEC (meq/100 g)	10.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1383
N (LB/A)	88
P2O5 (LB/A)	52
K2O (LB/A)	97
MGO (LB/A)	1

**ALLEGHENY**

# SAMPLES: 99

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	36		
K (ppm)	128	K (% sat)	2.72
Mg (ppm)	219	Mg (% sat)	14.2
Ca (ppm)	1479	Ca (% sat)	57.7
CEC (meq/100 g)	12.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2973
N (LB/A)	56
P2O5 (LB/A)	75
K2O (LB/A)	100
MGO (LB/A)	16

## Agronomic

**ARMSTRONG**

# SAMPLES:

**235**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.0		
P (ppm)*	47		
K (ppm)	123	K (% sat)	2.61
Mg (ppm)	138	Mg (% sat)	9.8
Ca (ppm)	1337	Ca (% sat)	56.0
CEC (meq/100 g)	11.6		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3696
N (LB/A)	97
P2O5 (LB/A)	77
K2O (LB/A)	115
MGO (LB/A)	37

**BEAVER**

# SAMPLES:

**75**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	33		
K (ppm)	134	K (% sat)	3.11
Mg (ppm)	111	Mg (% sat)	8.4
Ca (ppm)	1353	Ca (% sat)	62.5
CEC (meq/100 g)	10.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2860
N (LB/A)	70
P2O5 (LB/A)	85
K2O (LB/A)	95
MGO (LB/A)	20

## Agronomic

**BEDFORD**# SAMPLES: **533**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	55		
K (ppm)	133	K (% sat)	3.83
Mg (ppm)	150	Mg (% sat)	14.1
Ca (ppm)	1167	Ca (% sat)	64.8
CEC (meq/100 g)	9.0		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1318
N (LB/A)	89
P2O5 (LB/A)	42
K2O (LB/A)	76
MGO (LB/A)	1

**BERKS**# SAMPLES: **523**

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	82		
K (ppm)	142	K (% sat)	3.81
Mg (ppm)	202	Mg (% sat)	18.1
Ca (ppm)	1166	Ca (% sat)	62.0
CEC (meq/100 g)	9.4		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1128
N (LB/A)	63
P2O5 (LB/A)	25
K2O (LB/A)	41
MGO (LB/A)	0

## Agronomic

**BLAIR**

# SAMPLES:

**664**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	61		
K (ppm)	150	K (% sat)	4.36
Mg (ppm)	181	Mg (% sat)	17.1
Ca (ppm)	1189	Ca (% sat)	67.3
CEC (meq/100 g)	8.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	803
N (LB/A)	77
P2O5 (LB/A)	35
K2O (LB/A)	69
MGO (LB/A)	3

**BRADFORD**

# SAMPLES:

**744**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	69		
K (ppm)	131	K (% sat)	3.23
Mg (ppm)	191	Mg (% sat)	15.7
Ca (ppm)	1133	Ca (% sat)	55.3
CEC (meq/100 g)	10.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2460
N (LB/A)	62
P2O5 (LB/A)	37
K2O (LB/A)	102
MGO (LB/A)	2

## Agronomic

<b>BUCKS</b>				<b># SAMPLES:</b>	<b>128</b>
<b>SOIL TEST RESULTS</b>					
<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>		
PH	6.1				
ACIDITY (meq/100 g)	3.4				
P (ppm)*	51				
K (ppm)	88	K (% sat)	2.15		
Mg (ppm)	234	Mg (% sat)	19.4		
Ca (ppm)	919	Ca (% sat)	46.1		
CEC (meq/100 g)	10.2				
<b>SOIL TEST</b>		<b>RECOMMENDATIONS</b>			
<b>RECOMMENDATION</b>				<b>AVERAGE</b>	
LIME (LB/A)				2856	
N (LB/A)				111	
P2O5 (LB/A)				86	
K2O (LB/A)				172	
MGO (LB/A)				9	

<b>BUTLER</b>				<b># SAMPLES:</b>	<b>180</b>
<b>SOIL TEST RESULTS</b>					
<b>RESULT</b>	<b>AVERAGE</b>	<b>RESULT</b>	<b>AVERAGE</b>		
PH	6.1				
ACIDITY (meq/100 g)	3.6				
P (ppm)*	41				
K (ppm)	113	K (% sat)	2.63		
Mg (ppm)	132	Mg (% sat)	10.0		
Ca (ppm)	1185	Ca (% sat)	55.5		
CEC (meq/100 g)	10.9				
<b>SOIL TEST</b>		<b>RECOMMENDATIONS</b>			
<b>RECOMMENDATION</b>				<b>AVERAGE</b>	
LIME (LB/A)				3379	
N (LB/A)				79	
P2O5 (LB/A)				79	
K2O (LB/A)				123	
MGO (LB/A)				17	

## Agronomic

**CAMBRIA**

# SAMPLES:

**56****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	4.6		
P (ppm)*	36		
K (ppm)	110	K (% sat)	2.34
Mg (ppm)	164	Mg (% sat)	11.4
Ca (ppm)	1270	Ca (% sat)	54.6
CEC (meq/100 g)	12.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4693
N (LB/A)	39
P2O5 (LB/A)	65
K2O (LB/A)	124
MGO (LB/A)	24

**CAMERON**

# SAMPLES:

**3****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	7.2		
ACIDITY (meq/100 g)	0.7		
P (ppm)*	23		
K (ppm)	140	K (% sat)	2.93
Mg (ppm)	76	Mg (% sat)	5.1
Ca (ppm)	2107	Ca (% sat)	85.3
CEC (meq/100 g)	12.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	667
N (LB/A)	0
P2O5 (LB/A)	93
K2O (LB/A)	73
MGO (LB/A)	13

## Agronomic

**CARBON**

# SAMPLES:

**16**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.9		
ACIDITY (meq/100 g)	5.2		
P (ppm)*	68		
K (ppm)	74	K (% sat)	1.90
Mg (ppm)	179	Mg (% sat)	15.1
Ca (ppm)	871	Ca (% sat)	43.9
CEC (meq/100 g)	10.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	5019
N (LB/A)	43
P2O5 (LB/A)	58
K2O (LB/A)	149
MGO (LB/A)	0

**CENTRE**

# SAMPLES:

**1035**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	61		
K (ppm)	155	K (% sat)	3.99
Mg (ppm)	139	Mg (% sat)	11.9
Ca (ppm)	1407	Ca (% sat)	69.4
CEC (meq/100 g)	10.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1126
N (LB/A)	69
P2O5 (LB/A)	34
K2O (LB/A)	66
MGO (LB/A)	8



## Agronomic

**CHESTER**

# SAMPLES:

**684**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	71		
K (ppm)	142	K (% sat)	4.27
Mg (ppm)	197	Mg (% sat)	19.7
Ca (ppm)	958	Ca (% sat)	56.5
CEC (meq/100 g)	8.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1133
N (LB/A)	71
P2O5 (LB/A)	29
K2O (LB/A)	42
MGO (LB/A)	0

**CLARION**

# SAMPLES:

**102**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	25		
K (ppm)	95	K (% sat)	2.32
Mg (ppm)	112	Mg (% sat)	8.7
Ca (ppm)	1078	Ca (% sat)	52.4
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3792
N (LB/A)	60
P2O5 (LB/A)	107
K2O (LB/A)	149
MGO (LB/A)	33

## Agronomic

**CLEARFIELD**

# SAMPLES:

**236**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.6		
P (ppm)*	30		
K (ppm)	107	K (% sat)	2.44
Mg (ppm)	140	Mg (% sat)	10.2
Ca (ppm)	1275	Ca (% sat)	56.5
CEC (meq/100 g)	11.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3067
N (LB/A)	57
P2O5 (LB/A)	91
K2O (LB/A)	121
MGO (LB/A)	14

**CLINTON**

# SAMPLES:

**114**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	49		
K (ppm)	142	K (% sat)	3.63
Mg (ppm)	160	Mg (% sat)	13.3
Ca (ppm)	1286	Ca (% sat)	63.8
CEC (meq/100 g)	10.1		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1728
N (LB/A)	50
P2O5 (LB/A)	43
K2O (LB/A)	80
MGO (LB/A)	6

## Agronomic

**COLUMBIA**

# SAMPLES: 367

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	77		
K (ppm)	120	K (% sat)	3.54
Mg (ppm)	128	Mg (% sat)	12.6
Ca (ppm)	1040	Ca (% sat)	60.1
CEC (meq/100 g)	8.7		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1620
N (LB/A)	80
P2O5 (LB/A)	17
K2O (LB/A)	42
MGO (LB/A)	2

**CRAWFORD**

# SAMPLES: 187

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	38		
K (ppm)	106	K (% sat)	2.59
Mg (ppm)	157	Mg (% sat)	12.7
Ca (ppm)	991	Ca (% sat)	47.8
CEC (meq/100 g)	10.5		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	4086
N (LB/A)	73
P2O5 (LB/A)	66
K2O (LB/A)	104
MGO (LB/A)	4

## Agronomic

**CUMBERLAND**

# SAMPLES:

**560****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	73		
K (ppm)	155	K (% sat)	4.25
Mg (ppm)	156	Mg (% sat)	14.2
Ca (ppm)	1238	Ca (% sat)	66.3
CEC (meq/100 g)	9.4		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1158
N (LB/A)	100
P2O5 (LB/A)	30
K2O (LB/A)	35
MGO (LB/A)	4

**DAUPHIN**

# SAMPLES:

**294****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.6		
P (ppm)*	79		
K (ppm)	152	K (% sat)	4.23
Mg (ppm)	154	Mg (% sat)	14.2
Ca (ppm)	1190	Ca (% sat)	64.8
CEC (meq/100 g)	9.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1407
N (LB/A)	75
P2O5 (LB/A)	26
K2O (LB/A)	44
MGO (LB/A)	4

## Agronomic

**DELAWARE**

# SAMPLES:

**85****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	7.3		
ACIDITY (meq/100 g)	0.9		
P (ppm)*	20		
K (ppm)	80	K (% sat)	2.20
Mg (ppm)	203	Mg (% sat)	18.5
Ca (ppm)	1356	Ca (% sat)	69.4
CEC (meq/100 g)	9.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	613
N (LB/A)	98
P2O5 (LB/A)	96
K2O (LB/A)	57
MGO (LB/A)	1

**ELK**

# SAMPLES:

**37****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.6		
P (ppm)*	22		
K (ppm)	77	K (% sat)	1.57
Mg (ppm)	109	Mg (% sat)	7.3
Ca (ppm)	1523	Ca (% sat)	55.0
CEC (meq/100 g)	12.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3678
N (LB/A)	39
P2O5 (LB/A)	41
K2O (LB/A)	68
MGO (LB/A)	12

## Agronomic

**ERIE**

SOIL TEST RESULTS		# SAMPLES: 148	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.7		
P (ppm)*	56		
K (ppm)	116	K (% sat)	2.90
Mg (ppm)	152	Mg (% sat)	12.6
Ca (ppm)	1080	Ca (% sat)	50.9
CEC (meq/100 g)	10.6		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3694
N (LB/A)	83
P2O5 (LB/A)	58
K2O (LB/A)	97
MGO (LB/A)	14

**FAYETTE**

SOIL TEST RESULTS		# SAMPLES: 112	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.3		
P (ppm)*	36		
K (ppm)	126	K (% sat)	2.80
Mg (ppm)	171	Mg (% sat)	12.4
Ca (ppm)	1353	Ca (% sat)	51.9
CEC (meq/100 g)	12.2		

  

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	4001
N (LB/A)	56
P2O5 (LB/A)	79
K2O (LB/A)	117
MGO (LB/A)	12

## Agronomic

**FOREST**# SAMPLES: **14****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	3.9		
P (ppm)*	20		
K (ppm)	65	K (% sat)	1.67
Mg (ppm)	89	Mg (% sat)	7.7
Ca (ppm)	1038	Ca (% sat)	54.5
CEC (meq/100 g)	10.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3714
N (LB/A)	65
P2O5 (LB/A)	116
K2O (LB/A)	163
MGO (LB/A)	49

**FRANKLIN**# SAMPLES: **1916****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.2		
P (ppm)*	63		
K (ppm)	182	K (% sat)	4.62
Mg (ppm)	180	Mg (% sat)	15.2
Ca (ppm)	1379	Ca (% sat)	68.3
CEC (meq/100 g)	10.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	929
N (LB/A)	79
P2O5 (LB/A)	33
K2O (LB/A)	57
MGO (LB/A)	3

## Agronomic

**FULTON**

# SAMPLES:

76

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	45		
K (ppm)	151	K (% sat)	4.42
Mg (ppm)	166	Mg (% sat)	15.9
Ca (ppm)	1117	Ca (% sat)	63.9
CEC (meq/100 g)	8.8		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1130
N (LB/A)	84
P2O5 (LB/A)	46
K2O (LB/A)	65
MGO (LB/A)	3

**GREENE**

# SAMPLES:

60

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.4		
P (ppm)*	24		
K (ppm)	102	K (% sat)	1.97
Mg (ppm)	176	Mg (% sat)	11.7
Ca (ppm)	1394	Ca (% sat)	53.1
CEC (meq/100 g)	12.9		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	3497
N (LB/A)	64
P2O5 (LB/A)	105
K2O (LB/A)	167
MGO (LB/A)	40



## Agronomic

**HUNTINGDON**

# SAMPLES:

**692****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.5		
P (ppm)*	58		
K (ppm)	138	K (% sat)	3.77
Mg (ppm)	154	Mg (% sat)	14.1
Ca (ppm)	1243	Ca (% sat)	66.3
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1199
N (LB/A)	74
P2O5 (LB/A)	38
K2O (LB/A)	72
MGO (LB/A)	2

**INDIANA**

# SAMPLES:

**286****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	38		
K (ppm)	115	K (% sat)	2.88
Mg (ppm)	161	Mg (% sat)	13.2
Ca (ppm)	1119	Ca (% sat)	55.6
CEC (meq/100 g)	10.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2606
N (LB/A)	82
P2O5 (LB/A)	64
K2O (LB/A)	67
MGO (LB/A)	10

## Agronomic

**JEFFERSON**

# SAMPLES:

**148****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	29		
K (ppm)	104	K (% sat)	2.46
Mg (ppm)	145	Mg (% sat)	11.1
Ca (ppm)	1177	Ca (% sat)	53.0
CEC (meq/100 g)	11.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3678
N (LB/A)	74
P2O5 (LB/A)	91
K2O (LB/A)	115
MGO (LB/A)	17

**JUNIATA**

# SAMPLES:

**303****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	53		
K (ppm)	143	K (% sat)	4.07
Mg (ppm)	124	Mg (% sat)	11.7
Ca (ppm)	1156	Ca (% sat)	64.6
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1914
N (LB/A)	50
P2O5 (LB/A)	45
K2O (LB/A)	50
MGO (LB/A)	3

## Agronomic

**LACKAWANNA**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	80		
K (ppm)	108	K (% sat)	2.62
Mg (ppm)	214	Mg (% sat)	16.3
Ca (ppm)	1015	Ca (% sat)	48.4
CEC (meq/100 g)	10.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3389
N (LB/A)	47
P2O5 (LB/A)	38
K2O (LB/A)	193
MGO (LB/A)	3

**LANCASTER**

# SAMPLES:

**1889****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.8		
ACIDITY (meq/100 g)	1.1		
P (ppm)*	112		
K (ppm)	184	K (% sat)	5.21
Mg (ppm)	207	Mg (% sat)	19.2
Ca (ppm)	1156	Ca (% sat)	64.1
CEC (meq/100 g)	9.0		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	705
N (LB/A)	103
P2O5 (LB/A)	7
K2O (LB/A)	30
MGO (LB/A)	2

## Agronomic

**LAWRENCE**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	40		
K (ppm)	117	K (% sat)	2.96
Mg (ppm)	107	Mg (% sat)	9.1
Ca (ppm)	1258	Ca (% sat)	63.3
CEC (meq/100 g)	10.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2223
N (LB/A)	76
P2O5 (LB/A)	53
K2O (LB/A)	87
MGO (LB/A)	12

**LEBANON**

# SAMPLES:

**359****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	71		
K (ppm)	190	K (% sat)	4.73
Mg (ppm)	199	Mg (% sat)	17.2
Ca (ppm)	1284	Ca (% sat)	64.9
CEC (meq/100 g)	9.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1003
N (LB/A)	87
P2O5 (LB/A)	24
K2O (LB/A)	43
MGO (LB/A)	10

## Agronomic

**LEHIGH**

# SAMPLES: 101

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	104		
K (ppm)	175	K (% sat)	4.29
Mg (ppm)	216	Mg (% sat)	17.8
Ca (ppm)	1030	Ca (% sat)	50.3
CEC (meq/100 g)	10.3		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2694
N (LB/A)	65
P2O5 (LB/A)	18
K2O (LB/A)	73
MGO (LB/A)	0

**LUZERNE**

# SAMPLES: 67

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.5		
P (ppm)*	118		
K (ppm)	116	K (% sat)	3.20
Mg (ppm)	106	Mg (% sat)	9.9
Ca (ppm)	908	Ca (% sat)	49.9
CEC (meq/100 g)	9.2		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	3207
N (LB/A)	98
P2O5 (LB/A)	5
K2O (LB/A)	57
MGO (LB/A)	9

## Agronomic

**LYCOMING**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	59		
K (ppm)	114	K (% sat)	3.07
Mg (ppm)	126	Mg (% sat)	11.4
Ca (ppm)	1067	Ca (% sat)	57.7
CEC (meq/100 g)	9.6		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2718
N (LB/A)	83
P2O5 (LB/A)	38
K2O (LB/A)	78
MGO (LB/A)	11

**MCKEAN**

# SAMPLES:

**54****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.8		
ACIDITY (meq/100 g)	5.4		
P (ppm)*	26		
K (ppm)	92	K (% sat)	1.86
Mg (ppm)	181	Mg (% sat)	12.2
Ca (ppm)	1101	Ca (% sat)	44.7
CEC (meq/100 g)	12.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4767
N (LB/A)	39
P2O5 (LB/A)	99
K2O (LB/A)	204
MGO (LB/A)	9

## Agronomic

**MERCER**

# SAMPLES:

**266****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	51		
K (ppm)	113	K (% sat)	3.00
Mg (ppm)	141	Mg (% sat)	12.5
Ca (ppm)	1085	Ca (% sat)	57.4
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2708
N (LB/A)	80
P2O5 (LB/A)	49
K2O (LB/A)	76
MGO (LB/A)	12

**MIFFLIN**

# SAMPLES:

**70****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.7		
P (ppm)*	98		
K (ppm)	211	K (% sat)	5.11
Mg (ppm)	161	Mg (% sat)	13.5
Ca (ppm)	1341	Ca (% sat)	64.5
CEC (meq/100 g)	10.2		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1309
N (LB/A)	47
P2O5 (LB/A)	38
K2O (LB/A)	55
MGO (LB/A)	6

## Agronomic

**MONROE**

# SAMPLES: 24

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	2.6		
P (ppm)*	106		
K (ppm)	122	K (% sat)	2.94
Mg (ppm)	164	Mg (% sat)	13.8
Ca (ppm)	1172	Ca (% sat)	56.4
CEC (meq/100 g)	10.1		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	2088
N (LB/A)	114
P2O5 (LB/A)	42
K2O (LB/A)	140
MGO (LB/A)	45

**MONTGOMERY**

# SAMPLES: 273

SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.0		
P (ppm)*	122		
K (ppm)	129	K (% sat)	3.33
Mg (ppm)	241	Mg (% sat)	21.0
Ca (ppm)	1071	Ca (% sat)	56.7
CEC (meq/100 g)	9.6		

SOIL TEST RECOMMENDATIONS	
RECOMMENDATION	AVERAGE
LIME (LB/A)	1443
N (LB/A)	84
P2O5 (LB/A)	22
K2O (LB/A)	83
MGO (LB/A)	2



## Agronomic

**MONTOUR**

# SAMPLES:

**270****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	49		
K (ppm)	117	K (% sat)	3.25
Mg (ppm)	131	Mg (% sat)	12.1
Ca (ppm)	1201	Ca (% sat)	65.0
CEC (meq/100 g)	9.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1574
N (LB/A)	77
P2O5 (LB/A)	40
K2O (LB/A)	60
MGO (LB/A)	4

**NORTHAMPTON**

# SAMPLES:

**106****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.2		
P (ppm)*	55		
K (ppm)	134	K (% sat)	3.61
Mg (ppm)	184	Mg (% sat)	16.9
Ca (ppm)	1122	Ca (% sat)	55.4
CEC (meq/100 g)	9.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2227
N (LB/A)	63
P2O5 (LB/A)	27
K2O (LB/A)	65
MGO (LB/A)	4

## Agronomic

**NORTHUMBERLAND**

# SAMPLES:

**492**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.8		
P (ppm)*	97		
K (ppm)	140	K (% sat)	3.85
Mg (ppm)	126	Mg (% sat)	11.7
Ca (ppm)	1047	Ca (% sat)	57.5
CEC (meq/100 g)	9.4		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2610
N (LB/A)	81
P2O5 (LB/A)	18
K2O (LB/A)	48
MGO (LB/A)	9

**PERRY**

# SAMPLES:

**697**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.7		
ACIDITY (meq/100 g)	1.3		
P (ppm)*	57		
K (ppm)	141	K (% sat)	4.14
Mg (ppm)	166	Mg (% sat)	15.9
Ca (ppm)	1187	Ca (% sat)	65.5
CEC (meq/100 g)	9.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	1016
N (LB/A)	66
P2O5 (LB/A)	39
K2O (LB/A)	62
MGO (LB/A)	2

## Agronomic

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	417		
K (ppm)	170	K (% sat)	3.33
Mg (ppm)	279	Mg (% sat)	18.1
Ca (ppm)	1400	Ca (% sat)	56.9
CEC (meq/100 g)	12.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	4067
N (LB/A)	20
P2O5 (LB/A)	0
K2O (LB/A)	0
MGO (LB/A)	0

**PIKE**# SAMPLES: **18****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	5.5		
ACIDITY (meq/100 g)	7.7		
P (ppm)*	18		
K (ppm)	67	K (% sat)	1.36
Mg (ppm)	91	Mg (% sat)	6.6
Ca (ppm)	654	Ca (% sat)	28.4
CEC (meq/100 g)	11.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	6594
N (LB/A)	0
P2O5 (LB/A)	123
K2O (LB/A)	208
MGO (LB/A)	19

## Agronomic

**POTTER**

# SAMPLES:

**169**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.1		
P (ppm)*	74		
K (ppm)	135	K (% sat)	3.04
Mg (ppm)	184	Mg (% sat)	14.2
Ca (ppm)	1203	Ca (% sat)	54.8
CEC (meq/100 g)	11.0		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2628
N (LB/A)	71
P2O5 (LB/A)	40
K2O (LB/A)	118
MGO (LB/A)	1

**SCHUYLKILL**

# SAMPLES:

**361**

## SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	102		
K (ppm)	146	K (% sat)	3.99
Mg (ppm)	154	Mg (% sat)	14.3
Ca (ppm)	967	Ca (% sat)	53.4
CEC (meq/100 g)	9.3		

## SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (LB/A)	2545
N (LB/A)	78
P2O5 (LB/A)	15
K2O (LB/A)	42
MGO (LB/A)	5

## Agronomic

**SNYDER**

# SAMPLES:

**211****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.4		
ACIDITY (meq/100 g)	2.3		
P (ppm)*	67		
K (ppm)	137	K (% sat)	3.63
Mg (ppm)	142	Mg (% sat)	12.6
Ca (ppm)	1176	Ca (% sat)	61.9
CEC (meq/100 g)	9.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2162
N (LB/A)	75
P2O5 (LB/A)	31
K2O (LB/A)	31
MGO (LB/A)	5

**SOMERSET**

# SAMPLES:

**441****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.8		
P (ppm)*	40		
K (ppm)	129	K (% sat)	2.87
Mg (ppm)	168	Mg (% sat)	12.0
Ca (ppm)	1263	Ca (% sat)	54.4
CEC (meq/100 g)	11.7		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3402
N (LB/A)	59
P2O5 (LB/A)	64
K2O (LB/A)	110
MGO (LB/A)	21

## Agronomic

**SULLIVAN**

# SAMPLES:

**26****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	95		
K (ppm)	79	K (% sat)	2.12
Mg (ppm)	186	Mg (% sat)	15.1
Ca (ppm)	1043	Ca (% sat)	51.0
CEC (meq/100 g)	10.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2323
N (LB/A)	82
P2O5 (LB/A)	33
K2O (LB/A)	150
MGO (LB/A)	21

**SUSQUEHANNA**

# SAMPLES:

**160****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	2.9		
P (ppm)*	71		
K (ppm)	125	K (% sat)	3.11
Mg (ppm)	226	Mg (% sat)	18.5
Ca (ppm)	1043	Ca (% sat)	51.1
CEC (meq/100 g)	10.3		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2504
N (LB/A)	50
P2O5 (LB/A)	30
K2O (LB/A)	135
MGO (LB/A)	10

## Agronomic

## TIOGA

SOIL TEST RESULTS				# SAMPLES:	363
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.3				
ACIDITY (meq/100 g)	2.8				
P (ppm)*	55				
K (ppm)	122	K (% sat)	2.97		
Mg (ppm)	164	Mg (% sat)	13.1		
Ca (ppm)	1232	Ca (% sat)	58.0		
CEC (meq/100 g)	10.6				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		2343			
N (LB/A)		75			
P2O5 (LB/A)		50			
K2O (LB/A)		119			
MGO (LB/A)		5			

## UNION

SOIL TEST RESULTS				# SAMPLES:	284
RESULT	AVERAGE	RESULT	AVERAGE		
PH	6.6				
ACIDITY (meq/100 g)	1.8				
P (ppm)*	49				
K (ppm)	128	K (% sat)	3.42		
Mg (ppm)	146	Mg (% sat)	13.1		
Ca (ppm)	1214	Ca (% sat)	64.6		
CEC (meq/100 g)	9.4				
SOIL TEST RECOMMENDATIONS					
RECOMMENDATION		AVERAGE			
LIME (LB/A)		1647			
N (LB/A)		66			
P2O5 (LB/A)		47			
K2O (LB/A)		81			
MGO (LB/A)		2			

## Agronomic

**VENANGO**

# SAMPLES:

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

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.1		
ACIDITY (meq/100 g)	4.1		
P (ppm)*	42		
K (ppm)	111	K (% sat)	2.56
Mg (ppm)	146	Mg (% sat)	11.6
Ca (ppm)	1188	Ca (% sat)	53.5
CEC (meq/100 g)	11.1		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3496
N (LB/A)	80
P2O5 (LB/A)	81
K2O (LB/A)	99
MGO (LB/A)	25

**WARREN**

# SAMPLES:

**69****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.3		
ACIDITY (meq/100 g)	3.0		
P (ppm)*	52		
K (ppm)	99	K (% sat)	2.58
Mg (ppm)	163	Mg (% sat)	14.0
Ca (ppm)	1061	Ca (% sat)	54.3
CEC (meq/100 g)	9.9		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	2683
N (LB/A)	85
P2O5 (LB/A)	64
K2O (LB/A)	123
MGO (LB/A)	12



## Agronomic

**WASHINGTON**

# SAMPLES:

**222****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.3		
P (ppm)*	22		
K (ppm)	113	K (% sat)	2.25
Mg (ppm)	231	Mg (% sat)	14.8
Ca (ppm)	1481	Ca (% sat)	57.0
CEC (meq/100 g)	12.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3134
N (LB/A)	62
P2O5 (LB/A)	110
K2O (LB/A)	163
MGO (LB/A)	11

**WAYNE**

# SAMPLES:

**95****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.0		
ACIDITY (meq/100 g)	4.6		
P (ppm)*	96		
K (ppm)	99	K (% sat)	2.16
Mg (ppm)	146	Mg (% sat)	10.8
Ca (ppm)	1096	Ca (% sat)	47.5
CEC (meq/100 g)	11.5		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3671
N (LB/A)	80
P2O5 (LB/A)	28
K2O (LB/A)	177
MGO (LB/A)	36

## Agronomic

**WESTMORELAND**

# SAMPLES:

**332****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.2		
ACIDITY (meq/100 g)	3.4		
P (ppm)*	39		
K (ppm)	123	K (% sat)	2.71
Mg (ppm)	200	Mg (% sat)	13.9
Ca (ppm)	1287	Ca (% sat)	53.6
CEC (meq/100 g)	11.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	3086
N (LB/A)	60
P2O5 (LB/A)	79
K2O (LB/A)	101
MGO (LB/A)	6

**WYOMING**

# SAMPLES:

**162****SOIL TEST RESULTS**

RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	1.9		
P (ppm)*	132		
K (ppm)	160	K (% sat)	4.80
Mg (ppm)	208	Mg (% sat)	20.0
Ca (ppm)	944	Ca (% sat)	54.1
CEC (meq/100 g)	8.8		

**SOIL TEST RECOMMENDATIONS**

RECOMMENDATION	AVERAGE
LIME (LB/A)	1308
N (LB/A)	104
P2O5 (LB/A)	3
K2O (LB/A)	76
MGO (LB/A)	1

## Agronomic

YORK

SOIL TEST RESULTS		# SAMPLES: 629	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.6		
ACIDITY (meq/100 g)	1.8		
P (ppm)*	67		
K (ppm)	133	K (% sat)	3.87
Mg (ppm)	173	Mg (% sat)	16.3
Ca (ppm)	1056	Ca (% sat)	60.4
CEC (meq/100 g)	8.9		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (LB/A)	1310		
N (LB/A)	100		
P2O5 (LB/A)	29		
K2O (LB/A)	49		
MGO (LB/A)	3		

EXTENSION

SOIL TEST RESULTS		# SAMPLES: 55	
RESULT	AVERAGE	RESULT	AVERAGE
PH	6.5		
ACIDITY (meq/100 g)	2.4		
P (ppm)*	50		
K (ppm)	147	K (% sat)	3.31
Mg (ppm)	117	Mg (% sat)	8.8
Ca (ppm)	1515	Ca (% sat)	67.1
CEC (meq/100 g)	11.3		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (LB/A)	1180		
N (LB/A)	148		
P2O5 (LB/A)	11		
K2O (LB/A)	15		
MGO (LB/A)	0		