

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS
Agronomic Samples

of Samples 19,492

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.1		
P (ppm)	74		
K (ppm)	157	K (% Sat)	3.4
Mg (ppm)	173	Mg (% Sat)	12.1
Ca (ppm)	1,515	Ca (% Sat)	58.6
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1972
N (lb/A)	101
P2O5 (LB/A)	61
K20 (LB/A)	98
MGO (LB/a)	17

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Adams **# of Samples** 152

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.8		
P (ppm)	91		
K (ppm)	200	K (% Sat)	4.2
Mg (ppm)	204	Mg (% Sat)	9.1
Ca (ppm)	1,517	Ca (% Sat)	58.0
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1684
N (lb/A)	109
P2O5 (LB/A)	84
K20 (LB/A)	109
MGO (LB/a)	41

COUNTY: Allegheny **# of Samples** 287

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	4.2		
P (ppm)	48		
K (ppm)	261	K (% Sat)	3.5
Mg (ppm)	256	Mg (% Sat)	6.3
Ca (ppm)	2,999	Ca (% Sat)	53.9
CEC	15.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3113
N (lb/A)	95
P2O5 (LB/A)	76
K20 (LB/A)	73
MGO (LB/a)	52

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SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Armstrong** # of Samples 181

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.7		
P (ppm)	56		
K (ppm)	140	K (% Sat)	2.8
Mg (ppm)	162	Mg (% Sat)	7.8
Ca (ppm)	1,758	Ca (% Sat)	65.5
CEC	12.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1871
N (lb/A)	78
P2O5 (LB/A)	78
K20 (LB/A)	122
MGO (LB/a)	14

COUNTY: **Beaver** # of Samples 72

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.0		
P (ppm)	62		
K (ppm)	131	K (% Sat)	3.0
Mg (ppm)	121	Mg (% Sat)	6.7
Ca (ppm)	1,325	Ca (% Sat)	59.8
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1882
N (lb/A)	114
P2O5 (LB/A)	78
K20 (LB/A)	104
MGO (LB/a)	24

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Bedford	# of Samples	200
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	46		
K (ppm)	159	K (% Sat)	3.4
Mg (ppm)	178	Mg (% Sat)	3.9
Ca (ppm)	1,413	Ca (% Sat)	57.7
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1985
N (lb/A)	109
P2O5 (LB/A)	78
K20 (LB/A)	122
MGO (LB/a)	25

COUNTY:	Berks	# of Samples	465
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.5		
P (ppm)	122		
K (ppm)	181	K (% Sat)	3.8
Mg (ppm)	174	Mg (% Sat)	8.5
Ca (ppm)	1,509	Ca (% Sat)	63.2
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	971
N (lb/A)	119
P2O5 (LB/A)	55
K20 (LB/A)	97
MGO (LB/a)	11

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Blair	# of Samples	325
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.8		
P (ppm)	74		
K (ppm)	162	K (% Sat)	3.8
Mg (ppm)	234	Mg (% Sat)	1.7
Ca (ppm)	1,516	Ca (% Sat)	64.7
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	969
N (lb/A)	126
P2O5 (LB/A)	65
K20 (LB/A)	133
MGO (LB/a)	6

COUNTY:	Bradford	# of Samples	980
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.5		
P (ppm)	99		
K (ppm)	153	K (% Sat)	3.0
Mg (ppm)	188	Mg (% Sat)	5.3
Ca (ppm)	1,540	Ca (% Sat)	56.6
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2383
N (lb/A)	107
P2O5 (LB/A)	53
K20 (LB/A)	116
MGO (LB/a)	20

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Bucks **# of Samples** 162

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.5		
P (ppm)	49		
K (ppm)	146	K (% Sat)	3.2
Mg (ppm)	225	Mg (% Sat)	10.6
Ca (ppm)	1,222	Ca (% Sat)	50.9
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1722
N (lb/A)	104
P2O5 (LB/A)	53
K20 (LB/A)	78
MGO (LB/a)	20

COUNTY: Butler **# of Samples** 492

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.7		
P (ppm)	47		
K (ppm)	135	K (% Sat)	3.2
Mg (ppm)	166	Mg (% Sat)	2.6
Ca (ppm)	1,329	Ca (% Sat)	59.8
CEC	10.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1509
N (lb/A)	97
P2O5 (LB/A)	58
K20 (LB/A)	85
MGO (LB/a)	11

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Cambria** # of Samples 269

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.8		
P (ppm)	49		
K (ppm)	164	K (% Sat)	3.1
Mg (ppm)	262	Mg (% Sat)	4.8
Ca (ppm)	1,662	Ca (% Sat)	60.3
CEC	13.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1883
N (lb/A)	74
P2O5 (LB/A)	61
K20 (LB/A)	91
MGO (LB/a)	3

COUNTY: **Cameron** # of Samples 28

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	7.1		
Acidity (meq/100 g)	1.4		
P (ppm)	45		
K (ppm)	133	K (% Sat)	2.5
Mg (ppm)	118	Mg (% Sat)	6.7
Ca (ppm)	2,771	Ca (% Sat)	78.3
CEC	14.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1196
N (lb/A)	175
P2O5 (LB/A)	30
K20 (LB/A)	33
MGO (LB/a)	10

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Carbon** # of Samples 19

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	4.0		
P (ppm)	34		
K (ppm)	103	K (% Sat)	2.2
Mg (ppm)	214	Mg (% Sat)	4.0
Ca (ppm)	1,130	Ca (% Sat)	48.9
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2789
N (lb/A)	85
P2O5 (LB/A)	65
K2O (LB/A)	99
MGO (LB/a)	17

COUNTY: **Centre** # of Samples 2,485

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.3		
P (ppm)	106		
K (ppm)	167	K (% Sat)	3.7
Mg (ppm)	166	Mg (% Sat)	3.9
Ca (ppm)	1,843	Ca (% Sat)	65.9
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1258
N (lb/A)	105
P2O5 (LB/A)	64
K2O (LB/A)	89
MGO (LB/a)	10

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Chester** # of Samples 124

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.6		
P (ppm)	81		
K (ppm)	241	K (% Sat)	4.7
Mg (ppm)	219	Mg (% Sat)	6.3
Ca (ppm)	1,583	Ca (% Sat)	57.3
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1315
N (lb/A)	111
P2O5 (LB/A)	62
K20 (LB/A)	101
MGO (LB/a)	29

COUNTY: **Clarion** # of Samples 204

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.6		
P (ppm)	29		
K (ppm)	124	K (% Sat)	2.7
Mg (ppm)	170	Mg (% Sat)	8.6
Ca (ppm)	1,408	Ca (% Sat)	58.0
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2615
N (lb/A)	107
P2O5 (LB/A)	83
K20 (LB/A)	138
MGO (LB/a)	23

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Clearfield	# of Samples	296
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.7		
P (ppm)	59		
K (ppm)	156	K (% Sat)	3.1
Mg (ppm)	169	Mg (% Sat)	2.8
Ca (ppm)	2,115	Ca (% Sat)	65.2
CEC	13.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1704
N (lb/A)	94
P2O5 (LB/A)	68
K20 (LB/A)	93
MGO (LB/a)	18

COUNTY:	Clinton	# of Samples	260
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.7		
P (ppm)	55		
K (ppm)	195	K (% Sat)	4.3
Mg (ppm)	172	Mg (% Sat)	4.6
Ca (ppm)	1,649	Ca (% Sat)	68.7
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	954
N (lb/A)	100
P2O5 (LB/A)	63
K20 (LB/A)	94
MGO (LB/a)	21

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Columbia** # of Samples 485

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	74		
K (ppm)	162	K (% Sat)	4.1
Mg (ppm)	127	Mg (% Sat)	8.8
Ca (ppm)	1,135	Ca (% Sat)	54.9
CEC	10.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1975
N (lb/A)	111
P2O5 (LB/A)	51
K20 (LB/A)	92
MGO (LB/a)	16

COUNTY: **Crawford** # of Samples 487

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.3		
P (ppm)	36		
K (ppm)	114	K (% Sat)	2.6
Mg (ppm)	169	Mg (% Sat)	6.0
Ca (ppm)	1,155	Ca (% Sat)	48.0
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2303
N (lb/A)	64
P2O5 (LB/A)	43
K20 (LB/A)	57
MGO (LB/a)	11

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Cumberland** # of Samples 187

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	2.0		
P (ppm)	77		
K (ppm)	170	K (% Sat)	3.9
Mg (ppm)	182	Mg (% Sat)	3.8
Ca (ppm)	1,603	Ca (% Sat)	66.2
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	883
N (lb/A)	98
P2O5 (LB/A)	57
K20 (LB/A)	97
MGO (LB/a)	8

COUNTY: **Dauphin** # of Samples 291

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	91		
K (ppm)	132	K (% Sat)	3.0
Mg (ppm)	148	Mg (% Sat)	8.0
Ca (ppm)	1,504	Ca (% Sat)	64.1
CEC	11.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1474
N (lb/A)	112
P2O5 (LB/A)	53
K20 (LB/A)	114
MGO (LB/a)	21

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Delaware** # of Samples **27**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.5		
P (ppm)	55		
K (ppm)	267	K (% Sat)	5.0
Mg (ppm)	231	Mg (% Sat)	9.7
Ca (ppm)	1,266	Ca (% Sat)	52.9
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1889
N (lb/A)	96
P2O5 (LB/A)	58
K20 (LB/A)	109
MGO (LB/a)	42

COUNTY: **Eik** # of Samples **102**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.5		
P (ppm)	39		
K (ppm)	122	K (% Sat)	2.6
Mg (ppm)	118	Mg (% Sat)	2.8
Ca (ppm)	1,700	Ca (% Sat)	61.0
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2623
N (lb/A)	94
P2O5 (LB/A)	71
K20 (LB/A)	106
MGO (LB/a)	23

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Erie **# of Samples** 407

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.7		
P (ppm)	40		
K (ppm)	114	K (% Sat)	2.5
Mg (ppm)	166	Mg (% Sat)	7.1
Ca (ppm)	1,146	Ca (% Sat)	45.7
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2944
N (lb/A)	86
P2O5 (LB/A)	67
K20 (LB/A)	93
MGO (LB/a)	11

COUNTY: Fayette **# of Samples** 350

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	38		
K (ppm)	149	K (% Sat)	2.9
Mg (ppm)	162	Mg (% Sat)	3.9
Ca (ppm)	1,630	Ca (% Sat)	59.6
CEC	13.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2367
N (lb/A)	92
P2O5 (LB/A)	69
K20 (LB/A)	74
MGO (LB/a)	12

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Forest		# of Samples	
SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	33		
K (ppm)	103	K (% Sat)	2.6
Mg (ppm)	96	Mg (% Sat)	3.2
Ca (ppm)	1,093	Ca (% Sat)	53.2
CEC	10.1		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (lb/A)	2163		
N (lb/A)	73		
P2O5 (LB/A)	62		
K20 (LB/A)	115		
MGO (LB/a)	58		

COUNTY: Franklin		# of Samples	
SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.0		
P (ppm)	84		
K (ppm)	213	K (% Sat)	4.5
Mg (ppm)	189	Mg (% Sat)	10.1
Ca (ppm)	1,739	Ca (% Sat)	65.7
CEC	12.0		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (lb/A)	979		
N (lb/A)	112		
P2O5 (LB/A)	49		
K20 (LB/A)	124		
MGO (LB/a)	21		

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 Agronomic Samples

COUNTY: **Fulton** # of Samples 54

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.9		
P (ppm)	63		
K (ppm)	180	K (% Sat)	3.7
Mg (ppm)	160	Mg (% Sat)	7.5
Ca (ppm)	1,818	Ca (% Sat)	59.6
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1824
N (lb/A)	101
P2O5 (LB/A)	58
K2O (LB/A)	109
MGO (LB/a)	18

COUNTY: **Greene** # of Samples 23

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.9		
P (ppm)	29		
K (ppm)	152	K (% Sat)	2.7
Mg (ppm)	221	Mg (% Sat)	20.5
Ca (ppm)	1,926	Ca (% Sat)	61.4
CEC	15.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2435
N (lb/A)	73
P2O5 (LB/A)	59
K2O (LB/A)	93
MGO (LB/a)	0

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COUNTY:	Huntingdon	# of Samples		
		SOIL TEST RESULTS		214
RESULT	AVERAGE	RESULT	AVERAGE	
pH	6.7			
Acidity (meq/100 g)	1.8			
P (ppm)	51			
K (ppm)	168	K (% Sat)	3.8	
Mg (ppm)	229	Mg (% Sat)	16.2	
Ca (ppm)	1,557	Ca (% Sat)	64.2	
CEC	11.6			
		SOIL TEST RECOMMENDATIONS		
RECOMMENDATION	AVERAGE			
LIME (lb/A)	846			
N (lb/A)	98			
P2O5 (LB/A)	65			
K20 (LB/A)	115			
MGO (LB/a)	21			

COUNTY:	Indiana	# of Samples		
		SOIL TEST RESULTS		266
RESULT	AVERAGE	RESULT	AVERAGE	
pH	6.4			
Acidity (meq/100 g)	3.1			
P (ppm)	39			
K (ppm)	141	K (% Sat)	3.2	
Mg (ppm)	163	Mg (% Sat)	3.7	
Ca (ppm)	1,476	Ca (% Sat)	58.4	
CEC	11.6			
		SOIL TEST RECOMMENDATIONS		
RECOMMENDATION	AVERAGE			
LIME (lb/A)	1961			
N (lb/A)	98			
P2O5 (LB/A)	70			
K20 (LB/A)	102			
MGO (LB/a)	10			

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COUNTY: Jefferson **# of Samples** 361

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.4		
P (ppm)	33		
K (ppm)	154	K (% Sat)	3.1
Mg (ppm)	154	Mg (% Sat)	9.6
Ca (ppm)	1,529	Ca (% Sat)	60.0
CEC	12.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2215
N (lb/A)	93
P2O5 (LB/A)	81
K20 (LB/A)	105
MGO (LB/a)	17

COUNTY: Juniata **# of Samples** 651

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.2		
P (ppm)	117		
K (ppm)	171	K (% Sat)	4.1
Mg (ppm)	143	Mg (% Sat)	8.3
Ca (ppm)	1,414	Ca (% Sat)	64.0
CEC	10.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1153
N (lb/A)	99
P2O5 (LB/A)	62
K20 (LB/A)	99
MGO (LB/a)	15

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COUNTY: **Lackawanna** # of Samples 230

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.7		
Acidity (meq/100 g)	6.7		
P (ppm)	63		
K (ppm)	114	K (% Sat)	2.4
Mg (ppm)	126	Mg (% Sat)	8.3
Ca (ppm)	978	Ca (% Sat)	39.3
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	5321
N (lb/A)	66
P2O5 (LB/A)	59
K20 (LB/A)	73
MGO (LB/a)	26

COUNTY: **Lancaster** # of Samples 373

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.2		
P (ppm)	123		
K (ppm)	146	K (% Sat)	3.1
Mg (ppm)	188	Mg (% Sat)	5.5
Ca (ppm)	2,072	Ca (% Sat)	59.9
CEC	13.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2154
N (lb/A)	125
P2O5 (LB/A)	59
K20 (LB/A)	93
MGO (LB/a)	9

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Lawrence** # of Samples 279

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.9		
P (ppm)	49		
K (ppm)	147	K (% Sat)	3.5
Mg (ppm)	136	Mg (% Sat)	4.3
Ca (ppm)	1,305	Ca (% Sat)	59.1
CEC	10.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1817
N (lb/A)	103
P2O5 (LB/A)	56
K20 (LB/A)	101
MGO (LB/a)	18

COUNTY: **Lebanon** # of Samples 400

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.7		
P (ppm)	101		
K (ppm)	189	K (% Sat)	4.0
Mg (ppm)	179	Mg (% Sat)	8.9
Ca (ppm)	1,502	Ca (% Sat)	61.0
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1499
N (lb/A)	116
P2O5 (LB/A)	48
K20 (LB/A)	102
MGO (LB/a)	9

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Lehigh** # of Samples **57**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.6		
P (ppm)	56		
K (ppm)	145	K (% Sat)	3.2
Mg (ppm)	157	Mg (% Sat)	3.8
Ca (ppm)	1,088	Ca (% Sat)	47.0
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2930
N (lb/A)	90
P2O5 (LB/A)	57
K20 (LB/A)	106
MGO (LB/a)	19

COUNTY: **Luzerne** # of Samples **259**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.8		
Acidity (meq/100 g)	5.9		
P (ppm)	56		
K (ppm)	115	K (% Sat)	2.6
Mg (ppm)	115	Mg (% Sat)	6.2
Ca (ppm)	1,039	Ca (% Sat)	43.1
CEC	12.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	4493
N (lb/A)	93
P2O5 (LB/A)	53
K20 (LB/A)	84
MGO (LB/a)	37

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Lycoming	# of Samples	464
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	65		
K (ppm)	166	K (% Sat)	3.8
Mg (ppm)	163	Mg (% Sat)	7.8
Ca (ppm)	1,307	Ca (% Sat)	56.7
CEC	11.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1942
N (lb/A)	89
P2O5 (LB/A)	52
K20 (LB/A)	87
MGO (LB/a)	25

COUNTY:	McKean	# of Samples	54
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.3		
P (ppm)	28		
K (ppm)	120	K (% Sat)	2.3
Mg (ppm)	140	Mg (% Sat)	8.7
Ca (ppm)	1,492	Ca (% Sat)	56.6
CEC	13.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3324
N (lb/A)	97
P2O5 (LB/A)	92
K20 (LB/A)	139
MGO (LB/a)	57

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Mercer **# of Samples** 361

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.4		
P (ppm)	46		
K (ppm)	116	K (% Sat)	2.8
Mg (ppm)	153	Mg (% Sat)	3.7
Ca (ppm)	1,167	Ca (% Sat)	54.3
CEC	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2120
N (lb/A)	103
P2O5 (LB/A)	62
K20 (LB/A)	111
MGO (LB/a)	16

COUNTY: Mifflin **# of Samples** 84

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	1.8		
P (ppm)	77		
K (ppm)	233	K (% Sat)	4.8
Mg (ppm)	195	Mg (% Sat)	7.5
Ca (ppm)	1,688	Ca (% Sat)	65.7
CEC	12.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	810
N (lb/A)	95
P2O5 (LB/A)	44
K20 (LB/A)	77
MGO (LB/a)	8

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Monroe	# of Samples	29
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.1		
P (ppm)	74		
K (ppm)	132	K (% Sat)	3.1
Mg (ppm)	142	Mg (% Sat)	5.4
Ca (ppm)	1,119	Ca (% Sat)	50.4
CEC	11.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2310
N (lb/A)	162
P2O5 (LB/A)	28
K20 (LB/A)	144
MGO (LB/a)	53

COUNTY:	MONTGOMERY	# of Samples	331
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.2		
P (ppm)	51		
K (ppm)	158	K (% Sat)	3.1
Mg (ppm)	310	Mg (% Sat)	23.3
Ca (ppm)	2,163	Ca (% Sat)	53.5
CEC	13.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2030
N (lb/A)	106
P2O5 (LB/A)	54
K20 (LB/A)	81
MGO (LB/a)	21

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Montour	# of Samples	140
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.2		
P (ppm)	85		
K (ppm)	158	K (% Sat)	3.7
Mg (ppm)	113	Mg (% Sat)	9.7
Ca (ppm)	1,273	Ca (% Sat)	58.5
CEC	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2145
N (lb/A)	80
P2O5 (LB/A)	36
K2O (LB/A)	76
MGO (LB/a)	17

COUNTY:	Northampton	# of Samples	106
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.4		
P (ppm)	63		
K (ppm)	154	K (% Sat)	3.3
Mg (ppm)	181	Mg (% Sat)	7.3
Ca (ppm)	1,379	Ca (% Sat)	56.4
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2165
N (lb/A)	89
P2O5 (LB/A)	36
K2O (LB/A)	84
MGO (LB/a)	6

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: Northumberland **# of Samples** 393

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.2		
P (ppm)	108		
K (ppm)	170	K (% Sat)	4.1
Mg (ppm)	116	Mg (% Sat)	7.8
Ca (ppm)	1,418	Ca (% Sat)	66.5
CEC	10.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	961
N (lb/A)	111
P2O5 (LB/A)	43
K2O (LB/A)	78
MGO (LB/a)	9

COUNTY: Perry **# of Samples** 681

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.1		
P (ppm)	82		
K (ppm)	178	K (% Sat)	4.3
Mg (ppm)	172	Mg (% Sat)	8.4
Ca (ppm)	1,345	Ca (% Sat)	62.3
CEC	10.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1226
N (lb/A)	100
P2O5 (LB/A)	49
K2O (LB/A)	103
MGO (LB/a)	16

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Philadelphia** # of Samples 118

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.4		
Acidity (meq/100 g)	7.7		
P (ppm)	50		
K (ppm)	143	K (% Sat)	2.9
Mg (ppm)	125	Mg (% Sat)	5.0
Ca (ppm)	760	Ca (% Sat)	28.8
CEC	12.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	6169
N (lb/A)	86
P2O5 (LB/A)	25
K20 (LB/A)	47
MGO (LB/a)	14

COUNTY: **Pike** # of Samples 12

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	5.2		
P (ppm)	107		
K (ppm)	110	K (% Sat)	2.4
Mg (ppm)	129	Mg (% Sat)	4.5
Ca (ppm)	1,550	Ca (% Sat)	46.3
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3833
N (lb/A)	90
P2O5 (LB/A)	41
K20 (LB/A)	69
MGO (LB/a)	15

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Potter** # of Samples 143

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	57		
K (ppm)	138	K (% Sat)	2.8
Mg (ppm)	191	Mg (% Sat)	13.9
Ca (ppm)	1,448	Ca (% Sat)	54.7
CEC	12.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2500
N (lb/A)	100
P2O5 (LB/A)	59
K20 (LB/A)	118
MGO (LB/a)	7

COUNTY: **Schuylkill** # of Samples 314

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	113		
K (ppm)	165	K (% Sat)	3.8
Mg (ppm)	164	Mg (% Sat)	12.9
Ca (ppm)	1,431	Ca (% Sat)	62.3
CEC	11.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1584
N (lb/A)	90
P2O5 (LB/A)	42
K20 (LB/A)	72
MGO (LB/a)	14

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Snyder	# of Samples	305
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.5		
P (ppm)	148		
K (ppm)	192	K (% Sat)	4.2
Mg (ppm)	152	Mg (% Sat)	4.0
Ca (ppm)	1,499	Ca (% Sat)	63.7
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1485
N (lb/A)	115
P2O5 (LB/A)	46
K20 (LB/A)	109
MGO (LB/a)	17

COUNTY:	Somerset	# of Samples	155
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.3		
P (ppm)	37		
K (ppm)	144	K (% Sat)	3.0
Mg (ppm)	168	Mg (% Sat)	3.1
Ca (ppm)	1,492	Ca (% Sat)	59.0
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2495
N (lb/A)	111
P2O5 (LB/A)	88
K20 (LB/A)	119
MGO (LB/a)	22

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Sullivan	# of Samples	69
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	3.0		
P (ppm)	64		
K (ppm)	144	K (% Sat)	3.2
Mg (ppm)	161	Mg (% Sat)	5.6
Ca (ppm)	1,419	Ca (% Sat)	59.5
CEC	11.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1739
N (lb/A)	98
P2O5 (LB/A)	61
K20 (LB/A)	114
MGO (LB/a)	19

COUNTY:	Susquehanna	# of Samples	357
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.5		
P (ppm)	48		
K (ppm)	139	K (% Sat)	3.0
Mg (ppm)	175	Mg (% Sat)	3.2
Ca (ppm)	1,137	Ca (% Sat)	46.9
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3214
N (lb/A)	92
P2O5 (LB/A)	54
K20 (LB/A)	95
MGO (LB/a)	36

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Tioga** # of Samples 442

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	59		
K (ppm)	145	K (% Sat)	2.8
Mg (ppm)	199	Mg (% Sat)	7.6
Ca (ppm)	1,460	Ca (% Sat)	55.3
CEC	13.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2483
N (lb/A)	83
P2O5 (LB/A)	52
K20 (LB/A)	100
MGO (LB/a)	10

COUNTY: **Union** # of Samples 272

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.1		
P (ppm)	75		
K (ppm)	157	K (% Sat)	3.7
Mg (ppm)	158	Mg (% Sat)	4.6
Ca (ppm)	1,472	Ca (% Sat)	66.1
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1176
N (lb/A)	94
P2O5 (LB/A)	59
K20 (LB/A)	130
MGO (LB/a)	21

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Venango** # of Samples 54

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.1		
P (ppm)	32		
K (ppm)	100	K (% Sat)	2.4
Mg (ppm)	110	Mg (% Sat)	1.8
Ca (ppm)	1,045	Ca (% Sat)	49.6
CEC	10.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3389
N (lb/A)	109
P2O5 (LB/A)	70
K20 (LB/A)	140
MGO (LB/a)	46

COUNTY: **WARREN** # of Samples 82

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	4.1		
P (ppm)	36		
K (ppm)	163	K (% Sat)	3.4
Mg (ppm)	193	Mg (% Sat)	7.5
Ca (ppm)	1,265	Ca (% Sat)	50.6
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2821
N (lb/A)	173
P2O5 (LB/A)	71
K20 (LB/A)	118
MGO (LB/a)	17

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	Washington	# of Samples	538
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.7		
P (ppm)	25		
K (ppm)	140	K (% Sat)	2.6
Mg (ppm)	210	Mg (% Sat)	8.4
Ca (ppm)	1,535	Ca (% Sat)	50.9
CEC	14.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3716
N (lb/A)	84
P2O5 (LB/A)	78
K20 (LB/A)	117
MGO (LB/a)	8

COUNTY:	Wayne	# of Samples	116
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.5		
P (ppm)	72		
K (ppm)	122	K (% Sat)	2.5
Mg (ppm)	146	Mg (% Sat)	5.3
Ca (ppm)	1,296	Ca (% Sat)	50.9
CEC	12.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3069
N (lb/A)	147
P2O5 (LB/A)	46
K20 (LB/A)	144
MGO (LB/a)	40

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Westmoreland** # of Samples 501

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.8		
P (ppm)	45		
K (ppm)	153	K (% Sat)	3.2
Mg (ppm)	182	Mg (% Sat)	9.8
Ca (ppm)	1,496	Ca (% Sat)	54.0
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2609
N (lb/A)	94
P2O5 (LB/A)	71
K20 (LB/A)	82
MGO (LB/a)	13

COUNTY: **Wyoming** # of Samples 348

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.8		
P (ppm)	73		
K (ppm)	127	K (% Sat)	3.0
Mg (ppm)	175	Mg (% Sat)	4.2
Ca (ppm)	1,100	Ca (% Sat)	50.3
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2646
N (lb/A)	112
P2O5 (LB/A)	39
K20 (LB/A)	116
MGO (LB/a)	24

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY:	York		# of Samples	222
SOIL TEST RESULTS				
RESULT	AVERAGE	RESULT	AVERAGE	
pH	6.5			
Acidity (meq/100 g)	2.3			
P (ppm)	78			
K (ppm)	170	K (% Sat)	4.5	
Mg (ppm)	165	Mg (% Sat)	6.4	
Ca (ppm)	1,163	Ca (% Sat)	59.6	
CEC	9.9			
SOIL TEST RECOMMENDATIONS				
RECOMMENDATION	AVERAGE			
LIME (lb/A)	1333			
N (lb/A)	146			
P2O5 (LB/A)	65			
K2O (LB/A)	118			
MGO (LB/a)	15			