

SUMMARY REPORT
SOIL TEST RESULTS AND RECOMMENDATIONS
Agronomic Samples

of Samples 23,190

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.9		
P (ppm)	73		
K (ppm)	144	K (% Sat)	3.2
Mg (ppm)	175	Mg (% Sat)	12.6
Ca (ppm)	1,497	Ca (% Sat)	58.0
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1853
N (lb/A)	105
P2O5 (LB/A)	60
K20 (LB/A)	98
MGO (LB/a)	13

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

COUNTY: **ADAMS** # of Samples 125

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.6		
P (ppm)	69		
K (ppm)	123	K (% Sat)	2.8
Mg (ppm)	187	Mg (% Sat)	7.9
Ca (ppm)	1,471	Ca (% Sat)	59.7
CEC	11.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1440
N (lb/A)	105
P2O5 (LB/A)	54
K20 (LB/A)	94
MGO (LB/a)	3

COUNTY: **Allegheny** # of Samples 203

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.4		
P (ppm)	48		
K (ppm)	160	K (% Sat)	2.6
Mg (ppm)	238	Mg (% Sat)	12.2
Ca (ppm)	5,318	Ca (% Sat)	56.4
CEC	14.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2500
N (lb/A)	74
P2O5 (LB/A)	64
K20 (LB/A)	91
MGO (LB/a)	32

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

COUNTY: **Armstrong** # of Samples 205

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.8		
P (ppm)	50		
K (ppm)	141	K (% Sat)	3.1
Mg (ppm)	155	Mg (% Sat)	16.8
Ca (ppm)	1,755	Ca (% Sat)	60.4
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2017
N (lb/A)	91
P2O5 (LB/A)	70
K20 (LB/A)	116
MGO (LB/a)	25

COUNTY: **Beaver** # of Samples 158

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.1		
P (ppm)	50		
K (ppm)	108	K (% Sat)	2.6
Mg (ppm)	130	Mg (% Sat)	3.7
Ca (ppm)	1,248	Ca (% Sat)	57.8
CEC	10.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2006
N (lb/A)	88
P2O5 (LB/A)	55
K20 (LB/A)	86
MGO (LB/a)	19

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

COUNTY: Bedford **# of Samples** 363

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.2		
P (ppm)	63		
K (ppm)	163	K (% Sat)	3.6
Mg (ppm)	182	Mg (% Sat)	6.6
Ca (ppm)	1,504	Ca (% Sat)	62.9
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1326
N (lb/A)	113
P2O5 (LB/A)	60
K20 (LB/A)	117
MGO (LB/a)	18

COUNTY: Berks **# of Samples** 522

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	96		
K (ppm)	159	K (% Sat)	3.6
Mg (ppm)	170	Mg (% Sat)	11.3
Ca (ppm)	1,317	Ca (% Sat)	54.9
CEC	11.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1741
N (lb/A)	133
P2O5 (LB/A)	55
K20 (LB/A)	84
MGO (LB/a)	6

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

COUNTY:	Blair	# of Samples	414
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.1		
P (ppm)	59		
K (ppm)	168	K (% Sat)	3.9
Mg (ppm)	221	Mg (% Sat)	1.5
Ca (ppm)	1,423	Ca (% Sat)	61.4
CEC	11.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1356
N (lb/A)	118
P2O5 (LB/A)	67
K20 (LB/A)	97
MGO (LB/a)	11

COUNTY:	Bradford	# of Samples	1,468
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.7		
P (ppm)	67		
K (ppm)	152	K (% Sat)	3.1
Mg (ppm)	194	Mg (% Sat)	10.8
Ca (ppm)	1,324	Ca (% Sat)	52.8
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2650
N (lb/A)	115
P2O5 (LB/A)	56
K20 (LB/A)	124
MGO (LB/a)	26

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

COUNTY: Bucks **# of Samples** 202

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.2		
P (ppm)	57		
K (ppm)	118	K (% Sat)	2.7
Mg (ppm)	235	Mg (% Sat)	20.1
Ca (ppm)	1,121	Ca (% Sat)	50.2
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1800
N (lb/A)	121
P2O5 (LB/A)	57
K20 (LB/A)	99
MGO (LB/a)	13

COUNTY: Butler **# of Samples** 882

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.3		
P (ppm)	44		
K (ppm)	121	K (% Sat)	2.9
Mg (ppm)	131	Mg (% Sat)	9.7
Ca (ppm)	1,481	Ca (% Sat)	66.0
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1168
N (lb/A)	94
P2O5 (LB/A)	66
K20 (LB/A)	86
MGO (LB/a)	6

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

COUNTY: **Cambria** # of Samples 226

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.3		
P (ppm)	47		
K (ppm)	137	K (% Sat)	2.8
Mg (ppm)	231	Mg (% Sat)	14.5
Ca (ppm)	1,484	Ca (% Sat)	56.4
CEC	12.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2175
N (lb/A)	78
P2O5 (LB/A)	65
K2O (LB/A)	89
MGO (LB/a)	9

COUNTY: **Cameron** # of Samples 30

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.8		
Acidity (meq/100 g)	1.7		
P (ppm)	81		
K (ppm)	144	K (% Sat)	2.5
Mg (ppm)	94	Mg (% Sat)	6.6
Ca (ppm)	3,420	Ca (% Sat)	77.0
CEC	14.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	900
N (lb/A)	127
P2O5 (LB/A)	35
K2O (LB/A)	62
MGO (LB/a)	22

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

COUNTY: **Carbon** # of Samples 17

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	3.7		
P (ppm)	65		
K (ppm)	108	K (% Sat)	2.6
Mg (ppm)	159	Mg (% Sat)	14.4
Ca (ppm)	1,055	Ca (% Sat)	47.5
CEC	10.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2494
N (lb/A)	86
P2O5 (LB/A)	36
K20 (LB/A)	58
MGO (LB/a)	15

COUNTY: **Centre** # of Samples 2,496

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.6		
P (ppm)	81		
K (ppm)	148	K (% Sat)	3.4
Mg (ppm)	186	Mg (% Sat)	12.0
Ca (ppm)	1,679	Ca (% Sat)	59.4
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1565
N (lb/A)	93
P2O5 (LB/A)	50
K20 (LB/A)	97
MGO (LB/a)	10

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

COUNTY: **Chester** # of Samples 215

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.7		
P (ppm)	60		
K (ppm)	159	K (% Sat)	3.5
Mg (ppm)	226	Mg (% Sat)	10.6
Ca (ppm)	1,314	Ca (% Sat)	54.5
CEC	11.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1321
N (lb/A)	111
P2O5 (LB/A)	77
K20 (LB/A)	111
MGO (LB/a)	13

COUNTY: **Clarion** # of Samples 223

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.4		
P (ppm)	28		
K (ppm)	111	K (% Sat)	2.3
Mg (ppm)	167	Mg (% Sat)	13.9
Ca (ppm)	1,515	Ca (% Sat)	56.5
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2305
N (lb/A)	97
P2O5 (LB/A)	80
K20 (LB/A)	84
MGO (LB/a)	18

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

COUNTY:	Clearfield	# of Samples	391
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	3.0		
P (ppm)	53		
K (ppm)	123	K (% Sat)	2.6
Mg (ppm)	112	Mg (% Sat)	12.5
Ca (ppm)	1,684	Ca (% Sat)	64.3
CEC	12.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2029
N (lb/A)	98
P2O5 (LB/A)	69
K20 (LB/A)	104
MGO (LB/a)	22

COUNTY:	Clinton	# of Samples	246
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	1.8		
P (ppm)	78		
K (ppm)	178	K (% Sat)	3.7
Mg (ppm)	215	Mg (% Sat)	11.9
Ca (ppm)	1,764	Ca (% Sat)	67.4
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	919
N (lb/A)	117
P2O5 (LB/A)	56
K20 (LB/A)	114
MGO (LB/a)	16

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

COUNTY: **Columbia** # of Samples 681

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.4		
P (ppm)	97		
K (ppm)	137	K (% Sat)	3.5
Mg (ppm)	135	Mg (% Sat)	9.3
Ca (ppm)	1,036	Ca (% Sat)	51.2
CEC	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2173
N (lb/A)	121
P2O5 (LB/A)	49
K20 (LB/A)	85
MGO (LB/a)	13

COUNTY: **Crawford** # of Samples 541

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.8		
P (ppm)	48		
K (ppm)	114	K (% Sat)	2.5
Mg (ppm)	169	Mg (% Sat)	9.0
Ca (ppm)	1,236	Ca (% Sat)	52.0
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2161
N (lb/A)	102
P2O5 (LB/A)	42
K20 (LB/A)	60
MGO (LB/a)	12

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

COUNTY: Cumberland		# of Samples	
SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.7		
P (ppm)	94		
K (ppm)	166	K (% Sat)	3.7
Mg (ppm)	193	Mg (% Sat)	8.6
Ca (ppm)	1,724	Ca (% Sat)	67.0
CEC	11.7		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (lb/A)	772		
N (lb/A)	118		
P2O5 (LB/A)	61		
K20 (LB/A)	84		
MGO (LB/a)	8		

COUNTY: Dauphin		# of Samples	
SOIL TEST RESULTS			
RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	95		
K (ppm)	154	K (% Sat)	3.4
Mg (ppm)	175	Mg (% Sat)	11.1
Ca (ppm)	1,487	Ca (% Sat)	61.8
CEC	11.6		
SOIL TEST RECOMMENDATIONS			
RECOMMENDATION	AVERAGE		
LIME (lb/A)	1299		
N (lb/A)	109		
P2O5 (LB/A)	43		
K20 (LB/A)	83		
MGO (LB/a)	7		

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

COUNTY: **Delaware** # of Samples **40**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.8		
Acidity (meq/100 g)	2.2		
P (ppm)	44		
K (ppm)	203	K (% Sat)	4.0
Mg (ppm)	286	Mg (% Sat)	17.4
Ca (ppm)	1,949	Ca (% Sat)	60.1
CEC	13.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	950
N (lb/A)	60
P2O5 (LB/A)	46
K20 (LB/A)	83
MGO (LB/a)	60

COUNTY: **Eik** # of Samples **72**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.1		
P (ppm)	33		
K (ppm)	88	K (% Sat)	1.9
Mg (ppm)	104	Mg (% Sat)	2.8
Ca (ppm)	1,635	Ca (% Sat)	65.7
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2049
N (lb/A)	71
P2O5 (LB/A)	67
K20 (LB/A)	126
MGO (LB/a)	28

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

COUNTY:	Erie	# of Samples	379
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.3		
P (ppm)	49		
K (ppm)	120	K (% Sat)	2.8
Mg (ppm)	156	Mg (% Sat)	6.3
Ca (ppm)	1,099	Ca (% Sat)	46.7
CEC	11.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3125
N (lb/A)	105
P2O5 (LB/A)	67
K20 (LB/A)	87
MGO (LB/a)	14

COUNTY:	Fayette	# of Samples	275
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.6		
P (ppm)	57		
K (ppm)	166	K (% Sat)	3.2
Mg (ppm)	175	Mg (% Sat)	5.0
Ca (ppm)	1,538	Ca (% Sat)	56.7
CEC	13.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2598
N (lb/A)	96
P2O5 (LB/A)	64
K20 (LB/A)	80
MGO (LB/a)	17

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

COUNTY: **Forest** # of Samples **71**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.1		
P (ppm)	47		
K (ppm)	97	K (% Sat)	2.5
Mg (ppm)	91	Mg (% Sat)	4.6
Ca (ppm)	1,010	Ca (% Sat)	49.7
CEC	10.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3514
N (lb/A)	91
P2O5 (LB/A)	72
K20 (LB/A)	154
MGO (LB/a)	39

COUNTY: **Franklin** # of Samples **464**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.6		
Acidity (meq/100 g)	2.2		
P (ppm)	86		
K (ppm)	207	K (% Sat)	4.5
Mg (ppm)	192	Mg (% Sat)	5.7
Ca (ppm)	1,596	Ca (% Sat)	63.7
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1476
N (lb/A)	112
P2O5 (LB/A)	48
K20 (LB/A)	106
MGO (LB/a)	17

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

COUNTY: Fulton **# of Samples** 306

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.4		
P (ppm)	95		
K (ppm)	150	K (% Sat)	3.5
Mg (ppm)	179	Mg (% Sat)	9.2
Ca (ppm)	1,325	Ca (% Sat)	58.7
CEC	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1760
N (lb/A)	127
P2O5 (LB/A)	64
K20 (LB/A)	137
MGO (LB/a)	29

COUNTY: Greene **# of Samples** 42

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.5		
P (ppm)	28		
K (ppm)	111	K (% Sat)	2.2
Mg (ppm)	164	Mg (% Sat)	6.7
Ca (ppm)	1,393	Ca (% Sat)	51.0
CEC	13.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3452
N (lb/A)	118
P2O5 (LB/A)	78
K20 (LB/A)	122
MGO (LB/a)	21

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COUNTY:	Huntingdon	# of Samples	278
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.8		
P (ppm)	51		
K (ppm)	140	K (% Sat)	3.1
Mg (ppm)	201	Mg (% Sat)	7.9
Ca (ppm)	1,475	Ca (% Sat)	58.1
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1806
N (lb/A)	119
P2O5 (LB/A)	67
K20 (LB/A)	122
MGO (LB/a)	10

COUNTY:	Indiana	# of Samples	364
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.3		
P (ppm)	39		
K (ppm)	133	K (% Sat)	2.8
Mg (ppm)	163	Mg (% Sat)	15.4
Ca (ppm)	1,571	Ca (% Sat)	57.6
CEC	12.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2464
N (lb/A)	108
P2O5 (LB/A)	73
K20 (LB/A)	88
MGO (LB/a)	11

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COUNTY: Jefferson **# of Samples** 488

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.5		
P (ppm)	30		
K (ppm)	120	K (% Sat)	2.7
Mg (ppm)	159	Mg (% Sat)	2.4
Ca (ppm)	1,307	Ca (% Sat)	54.9
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2358
N (lb/A)	68
P2O5 (LB/A)	85
K20 (LB/A)	117
MGO (LB/a)	9

COUNTY: Juniata **# of Samples** 521

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.2		
P (ppm)	99		
K (ppm)	167	K (% Sat)	4.0
Mg (ppm)	157	Mg (% Sat)	7.0
Ca (ppm)	1,420	Ca (% Sat)	63.1
CEC	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1100
N (lb/A)	83
P2O5 (LB/A)	57
K20 (LB/A)	98
MGO (LB/a)	8

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SOIL TEST RESULTS AND RECOMMENDATIONS-BY COUNTY
 Agronomic Samples

COUNTY: **Lackawanna** # of Samples 241

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	114		
K (ppm)	122	K (% Sat)	3.4
Mg (ppm)	121	Mg (% Sat)	1.7
Ca (ppm)	1,264	Ca (% Sat)	62.7
CEC	10.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1396
N (lb/A)	137
P2O5 (LB/A)	26
K20 (LB/A)	64
MGO (LB/a)	13

COUNTY: **Lancaster** # of Samples 464

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.7		
Acidity (meq/100 g)	1.8		
P (ppm)	140		
K (ppm)	177	K (% Sat)	3.9
Mg (ppm)	187	Mg (% Sat)	18.4
Ca (ppm)	1,858	Ca (% Sat)	66.1
CEC	11.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	881
N (lb/A)	116
P2O5 (LB/A)	59
K20 (LB/A)	92
MGO (LB/a)	6

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

COUNTY: **Lawrence** # of Samples **363**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.9		
P (ppm)	60		
K (ppm)	135	K (% Sat)	3.2
Mg (ppm)	150	Mg (% Sat)	11.5
Ca (ppm)	1,297	Ca (% Sat)	57.3
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1845
N (lb/A)	121
P2O5 (LB/A)	58
K2O (LB/A)	98
MGO (LB/a)	11

COUNTY: **Lebanon** # of Samples **337**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.3		
P (ppm)	87		
K (ppm)	179	K (% Sat)	4.2
Mg (ppm)	195	Mg (% Sat)	2.5
Ca (ppm)	1,377	Ca (% Sat)	60.2
CEC	11.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	976
N (lb/A)	104
P2O5 (LB/A)	58
K2O (LB/A)	73
MGO (LB/a)	5

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

COUNTY: **Lehigh** # of Samples 121

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.4		
P (ppm)	70		
K (ppm)	125	K (% Sat)	2.9
Mg (ppm)	171	Mg (% Sat)	7.7
Ca (ppm)	1,312	Ca (% Sat)	54.0
CEC	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1846
N (lb/A)	79
P2O5 (LB/A)	42
K20 (LB/A)	81
MGO (LB/a)	11

COUNTY: **Luzerne** # of Samples 218

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.6		
P (ppm)	89		
K (ppm)	115	K (% Sat)	3.1
Mg (ppm)	127	Mg (% Sat)	2.0
Ca (ppm)	1,045	Ca (% Sat)	51.7
CEC	10.1		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2470
N (lb/A)	109
P2O5 (LB/A)	39
K20 (LB/A)	66
MGO (LB/a)	10

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

COUNTY:	Lycoming	# of Samples	484
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.0		
P (ppm)	76		
K (ppm)	147	K (% Sat)	3.5
Mg (ppm)	184	Mg (% Sat)	2.5
Ca (ppm)	1,235	Ca (% Sat)	54.4
CEC	11.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2092
N (lb/A)	90
P2O5 (LB/A)	46
K20 (LB/A)	87
MGO (LB/a)	10

COUNTY:	McKean	# of Samples	124
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.5		
P (ppm)	50		
K (ppm)	122	K (% Sat)	2.4
Mg (ppm)	140	Mg (% Sat)	15.5
Ca (ppm)	2,032	Ca (% Sat)	60.9
CEC	13.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2240
N (lb/A)	81
P2O5 (LB/A)	67
K20 (LB/A)	83
MGO (LB/a)	22

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

COUNTY: **Mercer** # of Samples 409

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.4		
P (ppm)	54		
K (ppm)	116	K (% Sat)	2.8
Mg (ppm)	145	Mg (% Sat)	17.1
Ca (ppm)	1,106	Ca (% Sat)	52.5
CEC	10.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2299
N (lb/A)	117
P2O5 (LB/A)	64
K20 (LB/A)	99
MGO (LB/a)	17

COUNTY: **Mifflin** # of Samples 59

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.6		
P (ppm)	56		
K (ppm)	141	K (% Sat)	3.2
Mg (ppm)	150	Mg (% Sat)	4.2
Ca (ppm)	1,611	Ca (% Sat)	63.3
CEC	11.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1542
N (lb/A)	91
P2O5 (LB/A)	52
K20 (LB/A)	77
MGO (LB/a)	26

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

COUNTY: **Monroe** # of Samples 36

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.9		
P (ppm)	61		
K (ppm)	100	K (% Sat)	2.5
Mg (ppm)	152	Mg (% Sat)	2.0
Ca (ppm)	1,008	Ca (% Sat)	46.3
CEC	10.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2833
N (lb/A)	96
P2O5 (LB/A)	35
K20 (LB/A)	98
MGO (LB/a)	19

COUNTY: **Montgomery** # of Samples 305

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.8		
P (ppm)	54		
K (ppm)	145	K (% Sat)	3.0
Mg (ppm)	302	Mg (% Sat)	11.7
Ca (ppm)	1,724	Ca (% Sat)	55.4
CEC	13.3		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1482
N (lb/A)	121
P2O5 (LB/A)	54
K20 (LB/A)	101
MGO (LB/a)	12

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

COUNTY:	Montour	# of Samples	237
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.2		
P (ppm)	60		
K (ppm)	139	K (% Sat)	3.2
Mg (ppm)	135	Mg (% Sat)	5.0
Ca (ppm)	1,448	Ca (% Sat)	65.4
CEC	10.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	900
N (lb/A)	104
P2O5 (LB/A)	50
K20 (LB/A)	81
MGO (LB/a)	9

COUNTY:	Northampton	# of Samples	85
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	3.3		
P (ppm)	72		
K (ppm)	150	K (% Sat)	3.3
Mg (ppm)	165	Mg (% Sat)	1.9
Ca (ppm)	1,491	Ca (% Sat)	56.0
CEC	11.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2188
N (lb/A)	110
P2O5 (LB/A)	45
K20 (LB/A)	67
MGO (LB/a)	21

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

COUNTY: **Northumberland** # of Samples **775**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.3		
P (ppm)	84		
K (ppm)	145	K (% Sat)	3.5
Mg (ppm)	123	Mg (% Sat)	5.0
Ca (ppm)	1,399	Ca (% Sat)	64.7
CEC	10.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1176
N (lb/A)	103
P2O5 (LB/A)	44
K2O (LB/A)	86
MGO (LB/a)	11

COUNTY: **Perry** # of Samples **728**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.3		
P (ppm)	80		
K (ppm)	148	K (% Sat)	3.6
Mg (ppm)	167	Mg (% Sat)	10.5
Ca (ppm)	1,346	Ca (% Sat)	60.7
CEC	10.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1440
N (lb/A)	96
P2O5 (LB/A)	50
K2O (LB/A)	106
MGO (LB/a)	10

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

COUNTY: **Philadelphia** # of Samples **7**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.7		
P (ppm)	54		
K (ppm)	168	K (% Sat)	3.5
Mg (ppm)	180	Mg (% Sat)	7.6
Ca (ppm)	1,477	Ca (% Sat)	59.4
CEC	12.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2286
N (lb/A)	25
P2O5 (LB/A)	23
K2O (LB/A)	100
MGO (LB/a)	0

COUNTY: **Pike** # of Samples **17**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.5		
P (ppm)	74		
K (ppm)	86	K (% Sat)	1.8
Mg (ppm)	200	Mg (% Sat)	5.3
Ca (ppm)	2,089	Ca (% Sat)	64.5
CEC	13.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1118
N (lb/A)	48
P2O5 (LB/A)	45
K2O (LB/A)	78
MGO (LB/a)	0

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

COUNTY:	Potter	# of Samples	78
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	4.2		
P (ppm)	48		
K (ppm)	140	K (% Sat)	2.9
Mg (ppm)	205	Mg (% Sat)	15.5
Ca (ppm)	1,341	Ca (% Sat)	50.3
CEC	13.0		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2678
N (lb/A)	77
P2O5 (LB/A)	56
K20 (LB/A)	86
MGO (LB/a)	12

COUNTY:	Schuylkill	# of Samples	352
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.5		
Acidity (meq/100 g)	2.6		
P (ppm)	173		
K (ppm)	151	K (% Sat)	3.4
Mg (ppm)	155	Mg (% Sat)	11.9
Ca (ppm)	2,737	Ca (% Sat)	62.1
CEC	11.6		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1725
N (lb/A)	126
P2O5 (LB/A)	48
K20 (LB/A)	80
MGO (LB/a)	7

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

COUNTY: **SNYDER** # of Samples 333

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.9		
P (ppm)	90		
K (ppm)	166	K (% Sat)	3.8
Mg (ppm)	151	Mg (% Sat)	6.8
Ca (ppm)	1,389	Ca (% Sat)	59.3
CEC	11.5		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1782
N (lb/A)	111
P2O5 (LB/A)	51
K20 (LB/A)	107
MGO (LB/a)	11

COUNTY: **Somerset** # of Samples 313

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.1		
P (ppm)	47		
K (ppm)	146	K (% Sat)	3.0
Mg (ppm)	169	Mg (% Sat)	6.6
Ca (ppm)	1,403	Ca (% Sat)	53.2
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3107
N (lb/A)	122
P2O5 (LB/A)	80
K20 (LB/A)	117
MGO (LB/a)	18

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

COUNTY:	Sullivan	# of Samples	72
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.6		
P (ppm)	65		
K (ppm)	100	K (% Sat)	2.1
Mg (ppm)	221	Mg (% Sat)	14.8
Ca (ppm)	1,308	Ca (% Sat)	52.6
CEC	12.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2083
N (lb/A)	165
P2O5 (LB/A)	65
K20 (LB/A)	148
MGO (LB/a)	11

COUNTY:	Susquehanna	# of Samples	289
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	5.0		
P (ppm)	51		
K (ppm)	113	K (% Sat)	2.4
Mg (ppm)	187	Mg (% Sat)	3.4
Ca (ppm)	984	Ca (% Sat)	40.8
CEC	11.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3552
N (lb/A)	89
P2O5 (LB/A)	62
K20 (LB/A)	106
MGO (LB/a)	12

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

COUNTY: Tioga **# of Samples** 488

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	54		
K (ppm)	142	K (% Sat)	2.7
Mg (ppm)	237	Mg (% Sat)	7.8
Ca (ppm)	1,589	Ca (% Sat)	54.8
CEC	13.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2450
N (lb/A)	94
P2O5 (LB/A)	50
K20 (LB/A)	101
MGO (LB/a)	10

COUNTY: Union **# of Samples** 363

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.4		
Acidity (meq/100 g)	2.5		
P (ppm)	119		
K (ppm)	163	K (% Sat)	3.7
Mg (ppm)	150	Mg (% Sat)	6.6
Ca (ppm)	1,494	Ca (% Sat)	62.0
CEC	11.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1269
N (lb/A)	100
P2O5 (LB/A)	46
K20 (LB/A)	96
MGO (LB/a)	6

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

COUNTY: **Venango** # of Samples 180

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.4		
P (ppm)	32		
K (ppm)	102	K (% Sat)	2.5
Mg (ppm)	148	Mg (% Sat)	8.4
Ca (ppm)	1,161	Ca (% Sat)	52.2
CEC	10.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2209
N (lb/A)	134
P2O5 (LB/A)	84
K2O (LB/A)	104
MGO (LB/a)	19

COUNTY: **Warren** # of Samples 98

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	5.9		
Acidity (meq/100 g)	4.4		
P (ppm)	55		
K (ppm)	113	K (% Sat)	2.7
Mg (ppm)	157	Mg (% Sat)	5.3
Ca (ppm)	973	Ca (% Sat)	44.6
CEC	10.8		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3408
N (lb/A)	122
P2O5 (LB/A)	68
K2O (LB/A)	149
MGO (LB/a)	15

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

COUNTY:	Washington	# of Samples	383
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.0		
Acidity (meq/100 g)	4.2		
P (ppm)	32		
K (ppm)	144	K (% Sat)	2.6
Mg (ppm)	225	Mg (% Sat)	6.6
Ca (ppm)	1,697	Ca (% Sat)	54.1
CEC	14.4		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	3123
N (lb/A)	93
P2O5 (LB/A)	71
K20 (LB/A)	97
MGO (LB/a)	8

COUNTY:	Wayne	# of Samples	79
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SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.2		
Acidity (meq/100 g)	3.7		
P (ppm)	88		
K (ppm)	116	K (% Sat)	2.4
Mg (ppm)	204	Mg (% Sat)	17.9
Ca (ppm)	1,525	Ca (% Sat)	54.0
CEC	12.7		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2437
N (lb/A)	93
P2O5 (LB/A)	45
K20 (LB/A)	110
MGO (LB/a)	16

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

COUNTY: **WESTMORELAND** # of Samples **547**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.3		
Acidity (meq/100 g)	2.9		
P (ppm)	51		
K (ppm)	141	K (% Sat)	2.8
Mg (ppm)	211	Mg (% Sat)	10.3
Ca (ppm)	1,788	Ca (% Sat)	59.2
CEC	12.9		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	1825
N (lb/A)	105
P2O5 (LB/A)	73
K20 (LB/A)	101
MGO (LB/a)	12

COUNTY: **Wyoming** # of Samples **421**

SOIL TEST RESULTS

RESULT	AVERAGE	RESULT	AVERAGE
pH	6.1		
Acidity (meq/100 g)	3.7		
P (ppm)	79		
K (ppm)	107	K (% Sat)	2.8
Mg (ppm)	146	Mg (% Sat)	8.0
Ca (ppm)	998	Ca (% Sat)	49.0
CEC	10.2		

SOIL TEST RECOMMENDATIONS

RECOMMENDATION	AVERAGE
LIME (lb/A)	2571
N (lb/A)	115
P2O5 (LB/A)	51
K20 (LB/A)	128
MGO (LB/a)	40

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

COUNTY:	York		# of Samples	600
SOIL TEST RESULTS				
RESULT	AVERAGE	RESULT	AVERAGE	
pH	6.5			
Acidity (meq/100 g)	2.4			
P (ppm)	113			
K (ppm)	165	K (% Sat)	3.7	
Mg (ppm)	188	Mg (% Sat)	11.6	
Ca (ppm)	1,544	Ca (% Sat)	60.9	
CEC	11.7			
SOIL TEST RECOMMENDATIONS				
RECOMMENDATION	AVERAGE			
LIME (lb/A)	1108			
N (lb/A)	116			
P2O5 (LB/A)	50			
K2O (LB/A)	83			
MGO (LB/a)	5			