

1995 TRIALS / NEW REDS (Summer raspberries)

DATE	BASE SAT.	pH	K/ppm	K%	P/ppm	Ca/ppm	Ca%	Mg/ppm	Mg%	DM%	CEC
1992	53.6%	5.9	40	1.2	2	684	39.7	132	12.8		8.6
1993	70.7%	6.4	104	2.6	141	1196	58.4	120	9.8	5.7	10.2
1995	100%	7.4	220	4.0	162	2316	82	238	14.0	5.2	14.1

The Ca:Mg:K saturation % ratio is based on Ca>65-80%, Mg>5-15%, K>2-5% as being the desirable range.

DATE	Ca%	:	Mg%	:	K%	ratio
1992	39.7 low		12.8 good		1.2 low	
1993	58.4 low		9.8 good		2.6 good	
1995	82.0 good		14.0 good		4.0 good	

UNIVERSITY OF NEW HAMPSHIRE

Analytical Services Lab, Nesmith Hall

Durham, New Hampshire 03824

Telephone 603-862-3210

SOIL TEST REPORT

2715

Client copy

Client:

THE RASPBERRY FARM
C/O MARK TOWLE
9 ROBERTS ROAD
SOUTH BERWICK, ME 03908

1995
Received January 19, 1996
Reported January 23, 1996
Form: 21
Report program: Form21
Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for New Reds (Lab number 2715)

		Low	Optimum	High	Very High
pH	7.4				
SMP Buffer pH	7.2				
Texture	Loam				
Magnesium (Mehlich 3)	238 ppm	VH			
Calcium (Mehlich 3)	2316 ppm	VH			
Potassium (Mehlich 3)	220 ppm	C			
Phosphorus (Mehlich 3)	162 ppm	VH			
Org. Matter (LOI-360)	5.2 %				
Cation Exchange	14.1 %				
Base saturation	100.0 %				
Calcium saturation	82.0 %				
Magnesium saturation	14.0 %				
Potassium saturation	4.0 %				

Lime and Fertilizer Recommendations

Raspberries -----

The pH of 7.4 is in the desired range. Do not add lime or sulfur containing materials.

Pre-plant fertility levels are adequate for this crop and no additional pre-plant fertilizer application is recommended.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

For questions on the above contact: Nada Haddad, Rockingham County Extension
113 North Road, Brentwood, NH 03833 603-679-5616

1995 Trials

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client: The Raspberry Farm
PO Box 700

Hampton Falls, NH 03844

Lab Number: 1019
Form: Fruit Crops

Sample ID: Black Raspberries

Routing: Specialist

Received: September 15, 1993
Reported: September 17, 1993

Copies to:

Mail to:
The Raspberry Farm
PO Box 700

Hampton Falls, NH 03844

Recommendations contact:
Bill Lord
Nesmith Hall
University of New Hampshire
Durham, NH 03824
603-862-3200

New Reds

Laboratory Test Results

				Low	Optimum*	High	Very High
pH	6.4						
SMP Buffer pH	6.8						
Texture	Loam						
Magnesium (Mehlich 3)	120 ppm	240 lbs Mg/acre	0				
Calcium (Mehlich 3)	1196 ppm	2392 lbs Ca/acre	0				
Potassium (Mehlich 3)	104 ppm	250 lbs K ₂ O/acre	L				
Phosphorus (Mehlich)	141 ppm	648 lbs P ₂ O ₅ /acre	VH				
Org. Matter (LOI-360)	5.7 %						
Cation Exchange	10.2 meq/100g						
Base saturation	70.7 %						
Calcium saturation	58.4 %						
Magnesium saturation	9.8 %						
Potassium saturation	2.6 %						

* The Optimum range for pH and nutrients may differ from crop to crop. The ranges shown are generally applicable to agronomic crops and home garden crops. These ranges are intended for general reference and may not be applicable to specific crops (especially floriculture and horticulture crops.) Soil micro-nutrient values (if reported) must be interpreted carefully for the crop of interest. Plant tissue tests are recommended to confirm any suspected deficiencies or excesses.

• 2.5 lb ammonium nitrate (33-0-0) per 100 ft of row; 1.5 lb April 15;
1.0 lb May 15-20

• 2.5 lb muriate of potash (0-0-60) per 100 ft of row applied in
early spring.

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client: Mark Towle
30 Clarks Lane

South Berwick, ME 03908

Lab Number: 3903
Form: Fruit Crops ✓
Sample ID: Jewel/Allen 2
Routing: Computer

Received: June 5, 1992
Reported: June 5, 1992

Recommendations by Computer
Copies to:

Mail to:
Mark Towle
30 Clarks Lane

South Berwick, ME 03908

Recommendations contact:
Bill Lord
Nesmith Hall
University of New Hampshire
Durham, NH 03824
603-862-3200

New Reds

Laboratory Test Results

			Very Low	Low	Medium	High	Very High
↑ pH	5.9						
SMP Buffer pH	6.6						
Texture	Loam						
Magnesium (Morgans)	132 ppm	264 lbs Mg/acre					
Calcium (Morgans)	684 ppm	1368 lbs Ca/acre					
↑ Potassium (Morgans)	40 ppm	96 lbs K2O/acre					
Phosphorus (Morgans)	2 ppm	10 lbs P2O5/acr					
Cation Exchange	8.6 meq/100g						
Base saturation	53.6 %						
Calcium saturation	39.7 %						
Magnesium saturation	12.8 %						
Potassium saturation	1.2 %						

Lime and Fertilizer Recommendations

Raspberries -----

Apply 1.5 tons per acre of calcitic limestone to raise the pH to the desired level of 6.5.

For pre-plant fertilizer, apply 500 lbs of 10-20-20 fertilizer per acre.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 7 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

1995 TRIALS/ ILLINI (Blackberries)

DATE	BASE SAT.	pH	K/ppm	K%	P/ppm	Ca/ppm	Ca%	Mg/ppm	Mg%	OM%	CEC
1993	69.9%	6.1	80	1.5	178	1678	63.2	82	5.1	6.2	13.3
1994	71.1%	6.2	42	1.0	124	1278	61.7	104	8.4	5.1	10.4
1995	100%	7.0	192	5.1	142	1540	80.4	166	14.4	5.4	9.6

The Ca:Mg:K saturation ratio is based on Ca>65-80%, Mg>5-15%, K>2-5% as being the desirable range.

DATE	Ca%	:	Mg%	:	K	ratio
1993	63.2 low		5.1 good		1.5 low	
1994	61.7 low		8.4 good		1.0 low	
1995	80.4 good		14.4 good		5.1 good	

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Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client copy

2717

Client:

THE RASPBERRY FARM
C/O MARK TOWLE
9 ROBERTS ROAD
SOUTH BERWICK, ME 03908

1995
Received January 19, 1996
Reported January 23, 1996
Form: 21
Report program: Form21
Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for Illini (Lab number 2717)

		Low	Optimum	High	Very High
pH	7.0				
SMP Buffer pH	7.0				
Texture	Loam				
Magnesium (Mehlich 3)	166 ppm	VH			
Calcium (Mehlich 3)	1540 ppm	H			
Potassium (Mehlich 3)	192 ppm	O			
Phosphorus (Mehlich 3)	142 ppm	VH			
Org. Matter (LOI-360)	5.4 %				
Cation Exchange	9.6 %				
Base saturation	100.0 %				
Calcium saturation	80.4 % ✓				
Magnesium saturation	14.4 % ✓				
Potassium saturation	5.1 % ✓				

Lime and Fertilizer Recommendations

Raspberries -----

The pH of 7 is in the desired range. Do not add lime or sulfur containing materials.

For pre-plant fertilizer, apply 200 lbs of 10-20-20 fertilizer per acre.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

Other small fruit -----

The pH of 7 is in the desired range. Do not add lime or sulfur containing materials.

1995 Trials

UNIVERSITY OF NEW HAMPSHIRE

Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

2824

Client copy

Client:

The Raspberry Farm
PO Box 700

Hampton Falls, NH 03844

Received November 15, 1994

Reported November 17, 1994

Form: 21

Report program: Form21

Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for X-Boyne (Lab number 2824)

Low Optimum High Very High

pH 6.2
SMP Buffer pH 6.8
Texture Loam
Magnesium (Mehlich 3) 104 ppm
Calcium (Mehlich 3) 1278 ppm
Potassium (Mehlich 3) 42 ppm
Phosphorus (Mehlich 3) 124 ppm
Org. Matter (LOI-360) 5.1 %
Cation Exchange 10.4 meq/100g
Base saturation 71.1 %
Calcium saturation 61.7 %
Magnesium saturation 8.4 %
Potassium saturation 1.0 %

Low Optimum High Very High
O
H
L
VH

Lime and Fertilizer Recommendations

Raspberries -----

Apply 46 lbs per 1000 SF of calcitic limestone to raise the pH to the desired level of 6.5.

For pre-plant fertilizer, apply 135 lbs of 0-0-60 per acre, or if not available, apply 400 lbs of 10-20-20 per acre.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

For questions regarding the above results or recommendations contact:

Nada Haddad

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, NeSmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client: The Raspberry Farm
PO Box 700
Hampton Falls, NH 03844

Lab Number: 1014
Form: Fruit Crops

Sample ID: Boyne

ILLINI

Routing: Specialist

Received: September 15, 1993
Reported: September 17, 1993

Copies to:

Mail to:
The Raspberry Farm
PO Box 700
Hampton Falls, NH 03844

Recommendations contact:
Bill Lord
NeSmith Hall
University of New Hampshire
Durham, NH 03824
603-862-3200

Laboratory Test Results

				Low	Optimum*	High	Very High
pH	6.1						
SMP Buffer pH	6.7						
Texture	Loam						
Magnesium (Mehlich 3)	82 ppm	164 lbs Mg/acre	0				
Calcium (Mehlich 3)	1678 ppm	3356 lbs Ca/acre	H				
Potassium (Mehlich 3)	80 ppm	192 lbs K2O/acre	L				
Phosphorus (Mehlich 3)	178 ppm	821 lbs P2O5/acre	VH				
Org. Matter (LOI-360)	6.2 %						
Cation Exchange	13.3 meq/100g						
Base saturation	69.9 %						
Calcium saturation	63.2 %						
Magnesium saturation	5.1 %						
Potassium saturation	1.5 %						

* The Optimum range for pH and nutrients may differ from crop to crop. The ranges shown are generally applicable to agronomic crops and home garden crops. These ranges are intended for general reference and may not be applicable to specific crops (especially floriculture and horticulture crops.) Soil micro-nutrient values (if reported) must be interpreted carefully for the crop of interest. Plant tissue tests are recommended to confirm any suspected deficiencies or excesses.

Same as 1012

• 3.0 lb ammonium nitrate

+
2.5 lb muriate of potash

5 # 0-0-0
3 # K

1994 TRIALS/FALL RASPBERRIES

DATE	BASE SAT.	pH	K/ppm	K%	P/ppm	Ca/ppm	Ca%	Mg/ppm	Mg%	OM%	CEC
1993	84.5%	6.2	74	1.5	137	2010	78.1	76	4.9	6.5	12.9
1994a	100%	8.0	880	8.1	176	4400	78.8	440	13.1	9.5	27.9
1994b	100%	7.3	204	3.8	176	2350	87.2	148	9.0	6.4	13.7
1995	100%	7.6	290	3.0	146	4400	88.4	258	8.6	5.9	24.9

1994a> Soil sample taken from area composted with woodash/manure for weed control.

1994b> Soil sample taken from area where straw was used for weed control

The Ca:Mg:K saturation % ratio is based on Ca>65-80%, Mg>5-15%, K>2-5% as being the desirable range.

DATE	Ca%	:	Mg%	:	K%	ratio
1993	78.1 good		4.9 low		1.5 low	
1994a	78.8 good		13.1 good		8.1 high	
1994b	87.2 high		9.0 good		3.8 good	
1995	88.4 high		8.6 good		3.0 good	

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

LEAF ANALYSIS
LAB TEST REPORT

Client copy

10052

Client:

THE RASPBERRY FARM
P.O. BOX 700

HAMPTON FALLS, NH 03844

Received October 31, 1995
Reported January 18, 1996
Form: 521
Report program: General
Report route:

Sample ID - AUTUMN BLISS (Lab number 10052, Sample 1)

Nitrogen	1.90 ± LOW	2-3
Phosphorus (Dry ash)	.25 ± ✓	.25-.40
Calcium (Dry ash)	1.4 ± ✓	.60-2.50
Magnesium (Dry ash)	.33 ± ✓	.30-.90
Potassium (Dry ash)	1.0 ± LOW	1.5-2.5
Zinc (Dry ash)	20-50	20 ppm ✓
Iron (Dry ash)	50-200	297 ppm H/HA
Manganese (Dry ash)	50-200	85 ppm ✓
Copper (Dry ash)	7-50	7 ppm ✓
Boron (Dry ash)	30-50	57 ppm H/HA

The above results are reported on an "as received" basis unless otherwise noted.

Fall Rasp 1994 Trials

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

Leaf Analysis

LAB TEST REPORT

Client copy

10051

Client:

THE RASPBERRY FARM
P.O. BOX 700

HAMPTON FALLS, NH 03844

Received October 31, 1995
Reported January 18, 1996
Form: 521
Report program: General
Report route:

Sample ID - SUMMIT (Lab number 10051, Sample 1)

Nitrogen	2.12 % ✓	2-3
Phosphorus (Dry ash)	.26 % ✓	.25-.40
Calcium (Dry ash)	1.3 % ✓	.60-2.50
Magnesium (Dry ash)	.42 % ✓	.30-.90
Potassium (Dry ash)	.8 % LOW	1.5-2.5
Zinc (Dry ash)	20-50 15 ppm LOW	
Iron (Dry ash)	50-100 235 ppm HIGH	
Manganese (Dry ash)	50-100 87 ppm ✓	
Copper (Dry ash)	7-50 7 ppm ✓	
Boron (Dry ash)	30-50 62 ppm HIGH	

The above results are reported on an "as received" basis unless otherwise noted.

Fall Rasp 1994 Trials

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT
2716

Client copy

Client:

THE RASPBERRY FARM
C/O MARK TOWLE
9 ROBERTS ROAD
SOUTH BERWICK, ME 03908

Fall 1995
Received January 19, 1996
Reported January 23, 1996
Form: 21
Report program: Form21
Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for Fall Rasps (Lab number 2716).

		Low	Optimum	High	Very High
pH	7.6				
SMP Buffer pH	7.3				
Texture	Loam				
Magnesium (Mehlich 3)	258 ppm	VH			
Calcium (Mehlich 3)	4400 ppm	VH			
Potassium (Mehlich 3)	290 ppm	H			
Phosphorus (Mehlich 3)	146 ppm	VH			
Org. Matter (LOI-360)	5.9 %				
Cation Exchange	24.9 %				
Base saturation	100.0 %				
Calcium saturation	88.4 %				
Magnesium saturation	8.6 %				
Potassium saturation	3.0 %				

Lime and Fertilizer Recommendations

Raspberries -----

The pH level of 7.6 is higher than desired. Apply wettable sulfur at the rate of 0 lbs per 1000 SF to lower the pH to the desired level of 6.5. Aluminum sulfate may be substituted for sulfur at 6.94 times the above rate for sulfur or iron sulfate may be substituted at 8.96 times the above rate for sulfur.

Pre-plant fertility levels are adequate for this crop and no additional pre-plant fertilizer application is recommended.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

For questions on the above contact: Nada Haddad, Rockingham County Extension
113 North Road, Brentwood, NH 03833 603-679-5616

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client copy

2823

Client:

The Raspberry Farm
PO Box 700

Hampton Falls, NH 03844

Received November 15, 1994
Reported November 17, 1994
Form: 21
Report program: Form21
Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for Fall Rasp/Compost (Lab number 2823)

			Low	Optimum	High	Very High
pH	8.0					
SMP Buffer pH	7.4					
Texture	Loam					
Magnesium (Mehlich 3)	> 440 ppm	VH				
Calcium (Mehlich 3)	> 4400 ppm	VH				
Potassium (Mehlich 3)	> 880 ppm	VH				
Phosphorus (Mehlich 3)	> 176 ppm	VH				
Org. Matter (LOI-360)	9.5 %					
Cation Exchange	27.9 meq/100g					
Base saturation	100.0 %					
Calcium saturation	78.8 %					
Magnesium saturation	13.1 %					
Potassium saturation	8.1 %					

Lime and Fertilizer Recommendations

Raspberries -----

The pH level of 8 is higher than desired. Apply wettable sulfur at the rate of 0 lbs per 1000 SF to lower the pH to the desired level of 6.5. Aluminum sulfate may be substituted for sulfur at 6.94 times the above rate for sulfur or iron sulfate may be substituted at 8.96 times the above rate for sulfur.

Pre-plant fertility levels are adequate for this crop and no additional pre-plant fertilizer application is recommended.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

For questions regarding the above results or recommendations contact:

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client copy

2822

Client:

The Raspberry Farm
PO Box 700

Hampton Falls, NH 03844

Received November 15, 1994
Reported November 17, 1994
Form: 21
Report program: Form21
Report route: Direct

Copies to:

Rockingham County Extension
Nada Haddad
113 North Road

Brentwood, NH 03833
603-679-5616

Test Results for Fall Rasp/Straw (Lab number 2822)

		Low	Optimum	High	Very High
pH	7.3				
SMP Buffer pH	7.2				
Texture	Loam				
Magnesium (Mehlich 3)	148 ppm	H			
Calcium (Mehlich 3)	2390 ppm	VH			
Potassium (Mehlich 3)	204 ppm	O			
Phosphorus (Mehlich 3)	> 176 ppm	VH			
Org. Matter (LOI-360)	6.4 %				
Cation Exchange	13.7 meq/100g				
Base saturation	100.0 %				
Calcium saturation	87.2 %				
Magnesium saturation	9.0 %				
Potassium saturation	3.8 %				

Lime and Fertilizer Recommendations

Raspberries -----

The pH of 7.3 is in the desired range. Do not add lime or sulfur containing materials.

Pre-plant fertility levels are adequate for this crop and no additional pre-plant fertilizer application is recommended.

(Dairy and well-rotted horse and poultry manures may be used pre-plant to supply essential plant nutrients as well as improve soil tilth. Adjust fertilizer rates according to the amount and type of manure used.)

After new growth starts, apply 0.5 to 1 ounce of ammonium nitrate per plant. In succeeding years apply 45 lbs of N per acre (3 lbs of ammonium nitrate or 6 lbs of 15-15-15 per 100 feet of row) before growth starts in the spring. Use the complete fertilizer (i.e. 15-15-15) when phosphorus level is less than 50 ppm and the potassium level is less than 200 ppm. Band applications down the plant rows.

For questions regarding the above results or recommendations contact:

Nada Haddad

UNIVERSITY OF NEW HAMPSHIRE
Analytical Services Lab, Nesmith Hall
Durham, New Hampshire 03824
Telephone 603-862-3210

SOIL TEST REPORT

Client: The Raspberry Farm
PO Box 700
Hampton Falls, NH 03844

Lab Number: 1013
Form: Fruit Crops

Received: September 15, 1993
Reported: September 17, 1993

Sample ID: Latham *Fall
Rasp Trial*
Routing: Specialist

Copies to:

Mail to:
The Raspberry Farm
PO Box 700
Hampton Falls, NH 03844

Recommendations contact:
Bill Lord
Nesmith Hall
University of New Hampshire
Durham, NH 03824
603-862-3200

Laboratory Test Results

				Low	Optimum*	High	Very High
pH	6.2						
SMP Buffer pH	6.9						
Texture	Loam						
Magnesium (Mehlich 3)	76 ppm	152 lbs Mg/acre	O				
Calcium (Mehlich 3)	2010 ppm	4020 lbs Ca/acre	VH				
Potassium (Mehlich 3)	74 ppm	178 lbs K ₂ O/acre	L				
Phosphorus (Mehlich)	137 ppm	631 lbs P ₂ O ₅ /acre	VH				
Org. Matter (LOI-360)	6.5 %						
Cation Exchange	12.9 meq/100g						
Base saturation	84.5 %						
Calcium saturation	78.1 %						
Magnesium saturation	4.9 %						
Potassium saturation	1.5 %						

* The Optimum range for pH and nutrients may differ from crop to crop. The ranges shown are generally applicable to agronomic crops and home garden crops. These ranges are intended for general reference and may not be applicable to specific crops (especially floriculture and horticulture crops.) Soil micro-nutrient values (if reported) must be interpreted carefully for the crop of interest. Plant tissue tests are recommended to confirm any suspected deficiencies or excesses.

0 2.5 lb Ammonia nitrate per ft of row, 1.5 lb April 15; 1.0 lb May 15-20

0 2.5 lb mixture of potash (0-0-60) per 100 ft of row early spring

5" 200' rows

*1.5% actual K

= 3.0% actual K per row

Wood ash = 0.6% K - 50" per 200' row = 3% actual K