Waypoint ANALYTICAL
"Every acre...Every year®"
280 Newport Rd, Leola, PA 17540
Main 717.656.9326 ° Fax 717.656.0910
www.waypointanalytical.com

SOIL ANALYSIS

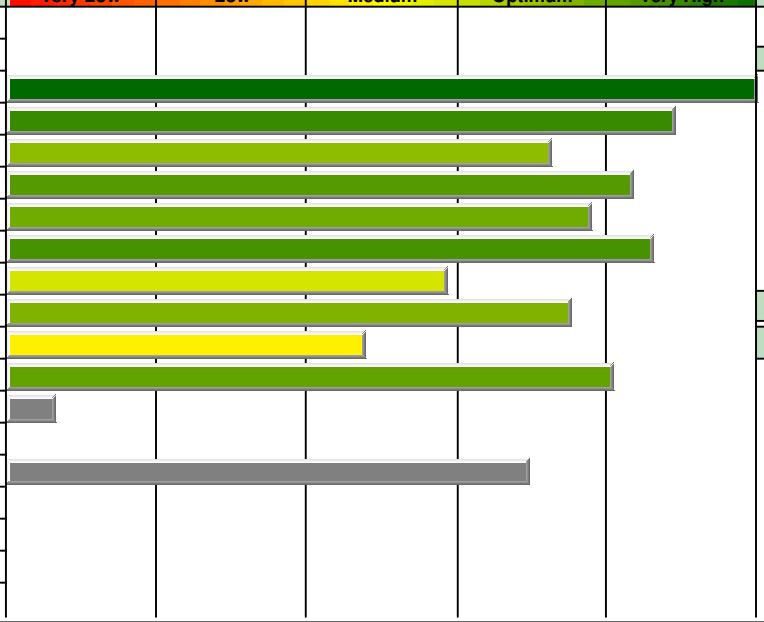
Client :
The Accidental Agronomist
Monica Pape
51 N Lancaster St
PO Box 26
Annville PA 17003

Grower :
Sabine Carey/Grant Studey

Report No: 20-206-0502
Cust No: 15396
Date Printed: 07/27/2020
Date Received : 07/24/2020
PO:
Page : 1 of 4

Lab No: 00263 **Field:** **Sample ID:** FCF Plastic

Test	Method	Results
Soil pH	1:1	6.6
Buffer pH		
Phosphorus (P)	M3	251 ppm
Potassium (K)	M3	323 ppm
Calcium (Ca)	M3	3183 ppm
Magnesium (Mg)	M3	338 ppm
Sulfur (S)	M3	39 ppm
Boron (B)	M3	2.2 ppm
Copper (Cu)	M3	2.7 ppm
Iron (Fe)	M3	177 ppm
Manganese (Mn)	M3	68 ppm
Zinc (Zn)	M3	9.5 ppm
Sodium (Na)	M3	29 ppm
Soluble Salts		
Organic Matter	LOI	7.9% ENR 202
Nitrate Nitrogen		



Calculated Cation Exchange Capacity
20.4 meq/100g

%Saturation

	%sat	meq
K	4.1	0.8
Ca	78.0	15.9
Mg	13.8	2.8
H	3.4	0.7
Na	0.6	0.1

K/Mg Ratio: 0.29
Ca/Mg Ratio: 5.65

SOIL FERTILITY GUIDELINES

Crop : **Rec Units:**

(lbs) LIME (tons)	N	P_2O_5	K_2O	Mg	S	B	Cu	Mn	Zn	Fe

Crop : **Rec Units:**

Comments :

M3 - Mehlich 3 BPH - Lime Index LOI - Loss On Ignition 1:1 - Water pH

Analysis prepared by: Waypoint Analytical Pennsylvania, Inc

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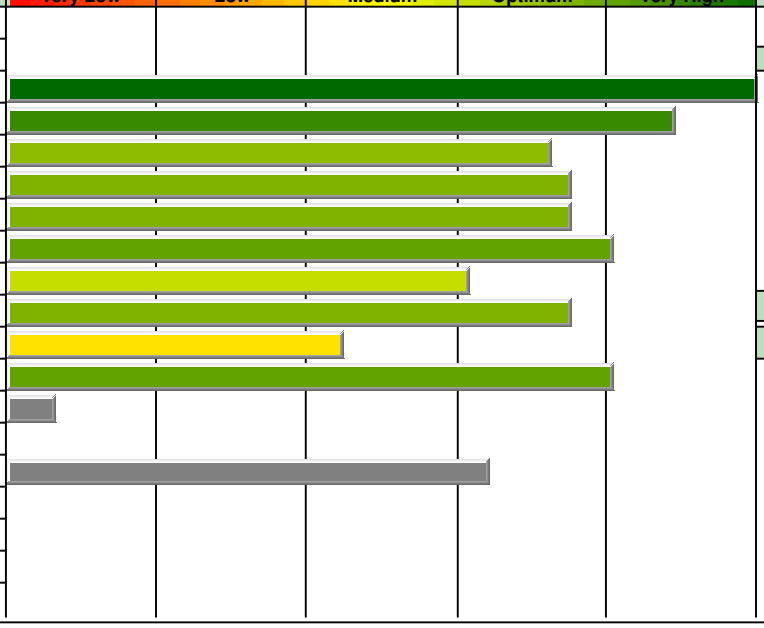
Lab No: 00264 **Field:** **Sample ID:** FCF Fabric

Test	Method	Results
Soil pH	1:1	6.4
Buffer pH	BPH	6.39
Phosphorus (P)	M3	239 ppm
Potassium (K)	M3	314 ppm
Calcium (Ca)	M3	2594 ppm
Magnesium (Mg)	M3	257 ppm
Sulfur (S)	M3	37 ppm
Boron (B)	M3	1.7 ppm
Copper (Cu)	M3	3.1 ppm
Iron (Fe)	M3	177 ppm
Manganese (Mn)	M3	56 ppm
Zinc (Zn)	M3	9.6 ppm
Sodium (Na)	M3	28 ppm
Soluble Salts		
Organic Matter	LOI	6.2% ENR 168
Nitrate Nitrogen		



Calculated Cation Exchange Capacity
16.8 meq/100g

%Saturation

	%sat	meq
K	4.8	0.8
Ca	77.2	13.0
Mg	12.7	2.1
H	4.8	0.8
Na	0.7	0.1

K/Mg Ratio: 0.38
Ca/Mg Ratio: 6.08

SOIL FERTILITY GUIDELINES

Crop : **Rec Units:**

(lbs) LIME (tons)	N	P_2O_5	K_2O	Mg	S	B	Cu	Mn	Zn	Fe

Crop : **Rec Units:**

Comments :

M3 - Mehlich 3 BPH - Lime Index LOI - Loss On Ignition 1:1 - Water pH

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Lab No: 00265 **Field:** **Sample ID:** Tait Plastic

Test	Method	Results
Soil pH	1:1	6.7
Buffer pH		
Phosphorus (P)	M3	235 ppm
Potassium (K)	M3	222 ppm
Calcium (Ca)	M3	3793 ppm
Magnesium (Mg)	M3	310 ppm
Sulfur (S)	M3	54 ppm
Boron (B)	M3	3.4 ppm
Copper (Cu)	M3	3.9 ppm
Iron (Fe)	M3	179 ppm
Manganese (Mn)	M3	145 ppm
Zinc (Zn)	M3	15.8 ppm
Sodium (Na)	M3	28 ppm
Soluble Salts		
Organic Matter	LOI	8.3% ENR 210
Nitrate Nitrogen		

Calculated Cation Exchange Capacity
22.6 meq/100g

%Saturation

	%sat	meq
K	2.5	0.6
Ca	83.9	19.0
Mg	11.4	2.6
H	1.8	0.4
Na	0.5	0.1

K/Mg Ratio: 0.22
Ca/Mg Ratio: 7.36

SOIL FERTILITY GUIDELINES

Crop : **Rec Units:**

(lbs) LIME (tons)	N	P_2O_5	K_2O	Mg	S	B	Cu	Mn	Zn	Fe

Crop : **Rec Units:**

Comments :

M3 - Mehlich 3 BPH - Lime Index LOI - Loss On Ignition 1:1 - Water pH

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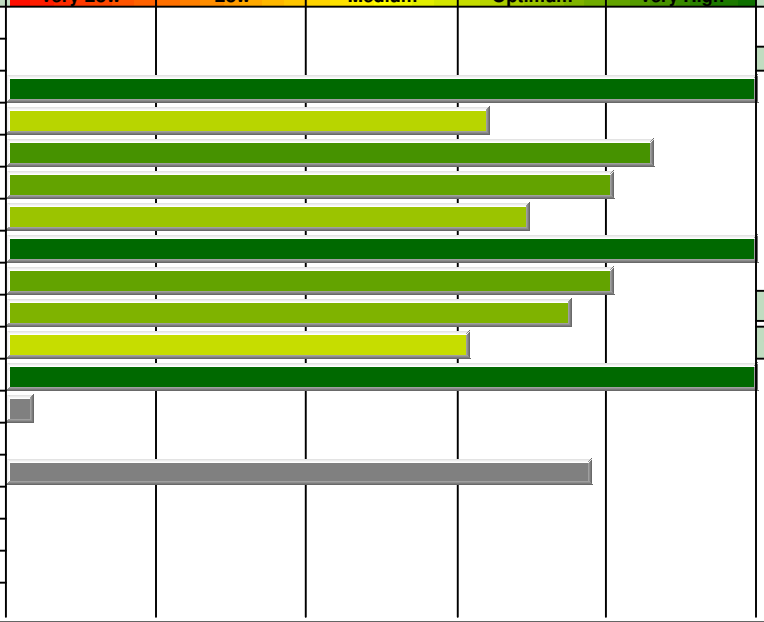
Lab No: 00266 **Field:** **Sample ID:** Tait Fabric

Test	Method	Results
Soil pH	1:1	6.9
Buffer pH		
Phosphorus (P)	M3	203 ppm
Potassium (K)	M3	184 ppm
Calcium (Ca)	M3	4264 ppm
Magnesium (Mg)	M3	282 ppm
Sulfur (S)	M3	30 ppm
Boron (B)	M3	3.6 ppm
Copper (Cu)	M3	5.0 ppm
Iron (Fe)	M3	179 ppm
Manganese (Mn)	M3	159 ppm
Zinc (Zn)	M3	53.7 ppm
Sodium (Na)	M3	19 ppm
Soluble Salts		
Organic Matter	LOI	9.7% ENR 238
Nitrate Nitrogen		



Calculated Cation Exchange Capacity
24.6 meq/100g

%Saturation

	%sat	meq
K	1.9	0.5
Ca	86.7	21.3
Mg	9.6	2.4
H	1.6	0.4
Na	0.3	0.1

K/Mg Ratio: 0.20
Ca/Mg Ratio: 9.03

SOIL FERTILITY GUIDELINES

Crop : **Rec Units:**

(lbs) LIME (tons)	N	P_2O_5	K_2O	Mg	S	B	Cu	Mn	Zn	Fe

Crop : **Rec Units:**

Comments :

M3 - Mehlich 3 BPH - Lime Index LOI - Loss On Ignition 1:1 - Water pH

Analysis prepared by: Waypoint Analytical Pennsylvania, Inc