Farm Summary Document

Farm Ferme ABC 1 ,

Québec,Canada

Bilan_Ferme ABC 1 _2021

Report validated by:

Agronomist 1

Laaq inc distributor of agricultural services and technologies

A- Basic data

1- General Information

Geo-location of plots on the MAP

Plot name	Municipality	Rented	Landlord	Start	End
P1		yes	EFG	01 Jun 2021	30 Jun 2023
P2		no			

2- Soil analyzes

Parcel : P1, Area: 21.32 Ha, Analysis date: 10 Jun 2021

Label Analysis	Unit	Result
Sable - Sand	%	73.34
Argile - Clay	%	9.59
Limon - Loam	%	17.07
CEC - Cation exchange capacity	Meq/100g	8
pH - pH		7.8
pH eau - pH water		8
MO - Organic matter	%	1.5
CaCO3 Total - Limestone Total	%	21
CaCO3 Actif - Limestone Active	%	5.3
CE - Electrical conductivity	mS/cm	0.3
N - Nitrogen	%	0.06
P - Phosphorus	mg/kg	1.3
K - Potassium	g/kg	0.19
Mg - Magnesium	g/kg	0.1
Mn - Manganese	mg/Kg	0.28
Ca - Calcium	g/kg	4.3
Cl - Chloride	g/Kg	0.11
Cu - Copper	mg/Kg	0.29
Na - Sodium	g/Kg	0.3
Fe - Iron	mg/Kg	0.26
B - Boron	mg/Kg	0.25
Z - Zinc	mg/Kg	0.12
Rap_CN - C/N report	%	4.9

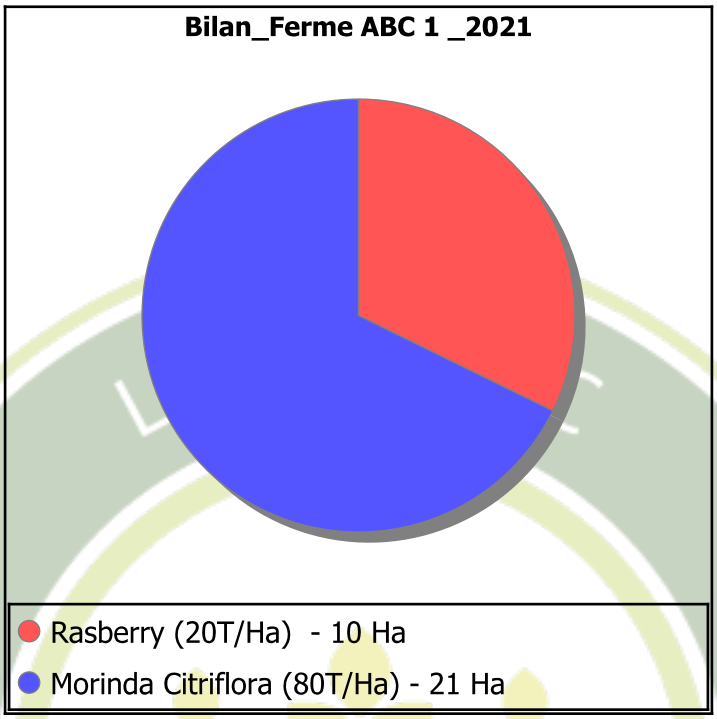
Parcel : P2, Area: 10.63 Ha, Analysis date: 07 Jun 2021

Label Analysis	Unit	Result
Sable - Sand	%	28.45
Argile - Clay	%	37.26
Limon - Loam	%	34.29
CEC - Cation exchange capacity	Meq/100g	14.9
pH - pH		7.89
pH eau - pH water		8.6
MO - Organic matter	%	0.75
CaCO3 Total - Limestone Total	%	12.43
CaCO3 Actif - Limestone Active	%	4.8
CE - Electrical conductivity	mS/cm	0.31
N - Nitrogen	%	0.04
P - Phosphorus	mg/kg	4.15
K - Potassium	g/kg	0.21
Mg - Magnesium	g/kg	0.19
Mn - Manganese	mg/Kg	0.23
Ca - Calcium	g/kg	4.5
Cl - Chloride	g/Kg	0.15
Cu - Copper	mg/Kg	0.26
Na - Sodium	g/Kg	0.7
Fe - Iron	mg/Kg	0.14
B - Boron	mg/Kg	0.59
Z - Zinc	mg/Kg	0.13
Rap_CN - C/N report	%	11.3

3- crops

Parcel	Crop	Area (Ha)	Stadium	Yield		Needs				
				Ref	Real	N	P	K	Mg	Ca
P1	Morinda Citriflora (80T/Ha)	21.0		80	95	374.9	38.8	309.8	74.3	131.6
P2	Rasberry (20T/Ha)	10.0		20	18	180	39.4	149.4	24.3	115.3

Area per crop (ha)



4- Total crop yield

Crop	Yield Ref (T/Ha)	Yield Real (T/Ha)	%
Rasberry (20T/Ha)	20	18	90
Morinda Citriflora (80T/Ha)	80	95	118.75

B- Basic data - livestock

1- Amount of organic fertilizer produced on the farm

Rejection type : Muck

Location	Livestock	Nbr	D.Int	D.Out	Droppings l/day	Volume total (m³)
E1	Heifer calf	100	1	364	58.90	1057.10
E2	Breeding ram	500	1	364	2.80	872.60
E3	Broiler tom turkey	5000	1	364	0.27	99227.40
					Volume total (m³)	101157.10
					Average volume (m³)	18.064
Total production (T) : 1429.822						

2- Calculation of the nutrients contained in organic fertilizers on the farm and the table of analysis results

Location	Livestock	Nbr	Nbr rotation	Days	Rejection per head (kg / rotation)		
					N	P2O5	K2O
E1	Heifer calf	100	0	365	5484.93	3191.23	5784.11
E2	Breeding ram	500	0	365	6382.47	3011.73	8775.89
E3	Broiler tom turkey	5000	0	80	777863.01	802794.52	578410.96
Totals					789730.41	808997.48	592970.96

C- Fertilization recommendations

Parcel : P1

	N	P	K	Mg	Ca
Crop needs (Kg/Ha)	374.9	38.8	309.8	74.3	131.6
Organic Contribution (Kg/Ha)	0	0	0	0	0
Other Input (Kg/Ha)	0	0	0	0	0
Fertilizer (Kg/Ha)	0	0	0	0	0
To fill (Kg/Ha)	374.9	36.85	24.8	-75.7	-6318.4
Total Contribution (Kg/Ha)	0	1.95	285	150	6450
% of needs met (%)	0	5.03	91.99	201.88	4901.22

Parcel : P2

	N	P	K	Mg	Ca
Crop needs (Kg/Ha)	180	39.4	149.4	24.3	115.3
Organic Contribution (Kg/Ha)	0	0	0	0	0
Other Input (Kg/Ha)	0	0	0	0	0
Fertilizer (Kg/Ha)	0	0	0	0	0

	N	P	K	Mg	Ca
To fill (Kg/Ha)	180	33.17	-165.6	-260.7	-6634.7
Total Contribution (Kg/Ha)	0	6.23	315	285	6750
% of needs met (%)	0	15.81	210.84	1172.84	5854.29

Conclusion

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