

NUTRIENT MANAGEMENT FOR BERRIES



LEAF EXTRACT ANALYSIS



Leaf Extract Analysis™

SAMPLE #	5542-43
CROP	Strawberry
CULTIVAR	ALBION

NAME	Farms
SAMPLE DATE	8/22/2018
FIELD ID	
BLOCK	New Strawberry

GROWTH STAGE	
HEALTH OF CROP	
PEST/DISEASE NOTES	
GENERAL NOTES	

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
---------	---	----------------	--------------

PRIMARY INDICATORS

pH New	5.3	0	0%
pH Old	5.3	0	0%
Digital Brix New	14.7	-1.4	-10%
Digital Brix Old	16.1	1.4	9%

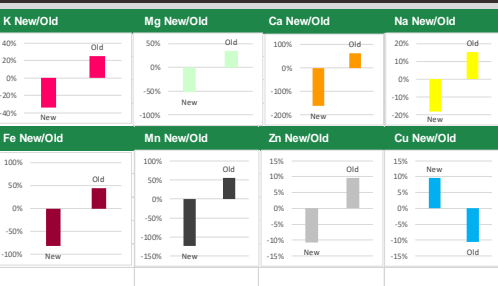
MAJOR CATIONS

NH4-Ammonium	PPM	GRADIENT (PPM)	% DIFFERENCE
NH4-Ammonium New	255.50	0	0%
NH4-Ammonium Old	255.50	0	0%
K-Potassium New	503.78	-169.3	-34%
K-Potassium Old	673.08	169.3	25%

MINOR CATIONS

Mg-Magnesium	PPM	GRADIENT (PPM)	% DIFFERENCE
Mg-Magnesium New	1019.56	-531.11	-52%
Mg-Magnesium Old	1550.67	531.11	34%
Ca-Calcium New	892.17	-1439.15	-161%
Ca-Calcium Old	2331.32	1439.15	62%
Na-Sodium New	38.48	-6.97	-18%
Na-Sodium Old	45.45	6.97	15%
Fe-Iron New	12.83	-10.36	-81%
Fe-Iron Old	23.19	10.36	45%
Mn-Manganese New	29.39	-36.25	-123%
Mn-Manganese Old	65.64	36.25	55%
Zn-Zinc New	5.16	-0.55	-11%
Zn-Zinc Old	5.71	0.55	10%
Cu-Copper New	0.84	0.08	10%
Cu-Copper Old	0.76	-0.08	-11%

NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)



ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
---------	---	----------------	--------------

PRIMARY INDICATORS

EC New (mS/cm)	6.2	-1.7	-27%
EC Old (mS/cm)	7.9	1.7	22%
Qualitative Brix New	15	-1.4	-9%
Qualitative Brix Old	16.4	1.4	9%

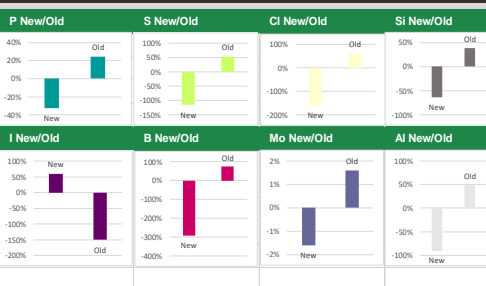
SECONDARY ANIONS

NO3-Nitrate	PPM	GRADIENT (PPM)	% DIFFERENCE
NO3-Nitrate New	137.50	-30.5	-22%
NO3-Nitrate Old	168.00	30.5	18%
P-Phosphorous New	726.82	-235.74	-32%
P-Phosphorous Old	962.56	235.74	24%

MINOR ANIONS

S-Sulfur	PPM	GRADIENT (PPM)	% DIFFERENCE
S-Sulfur New	565.29	-651.45	-115%
S-Sulfur Old	1216.74	651.45	54%
Cl-Chloride New	404.00	-641	-159%
Cl-Chloride Old	1045.00	641	61%
Si-Silicon New	13.34	-8.44	-63%
Si-Silicon Old	21.78	8.44	39%
I-Iodine New	0.25	0.15	60%
I-Iodine Old	0.10	-0.15	-150%
B-Boron New	1.44	-4.19	-291%
B-Boron Old	5.63	4.19	74%
Mo-Molybdenum New	0.62	-0.01	-2%
Mo-Molybdenum Old	0.63	0.01	2%
Al-Aluminum New	11.21	-10.16	-91%
Al-Aluminum Old	21.37	10.16	48%

NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)



PH NEW / PH OLD



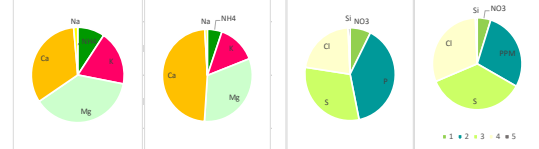
CONDUCTIVITY / BRUX



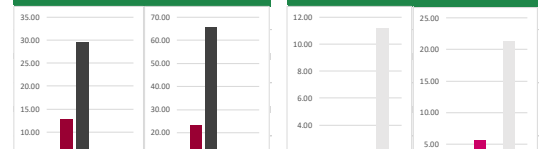
NH4 NEW / NH4 OLD / NO3 NEW / NO3 OLD



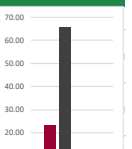
% CATIONS NEW / % CATIONS OLD



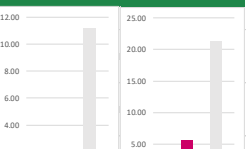
% ANIONS NEW / % ANIONS OLD



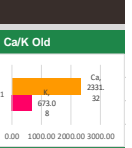
MICRO CATION NEW / MICRO CATION OLD



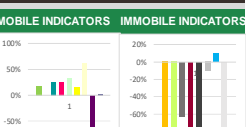
MICRO ANION NEW / MICRO ANION OLD



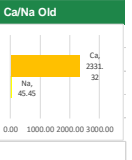
CALCIUM RATIOS



LIMITING INDICATORS



MOBILE INDICATORS



IMMOBILE INDICATORS

