Fertilgold®
ORGANICS



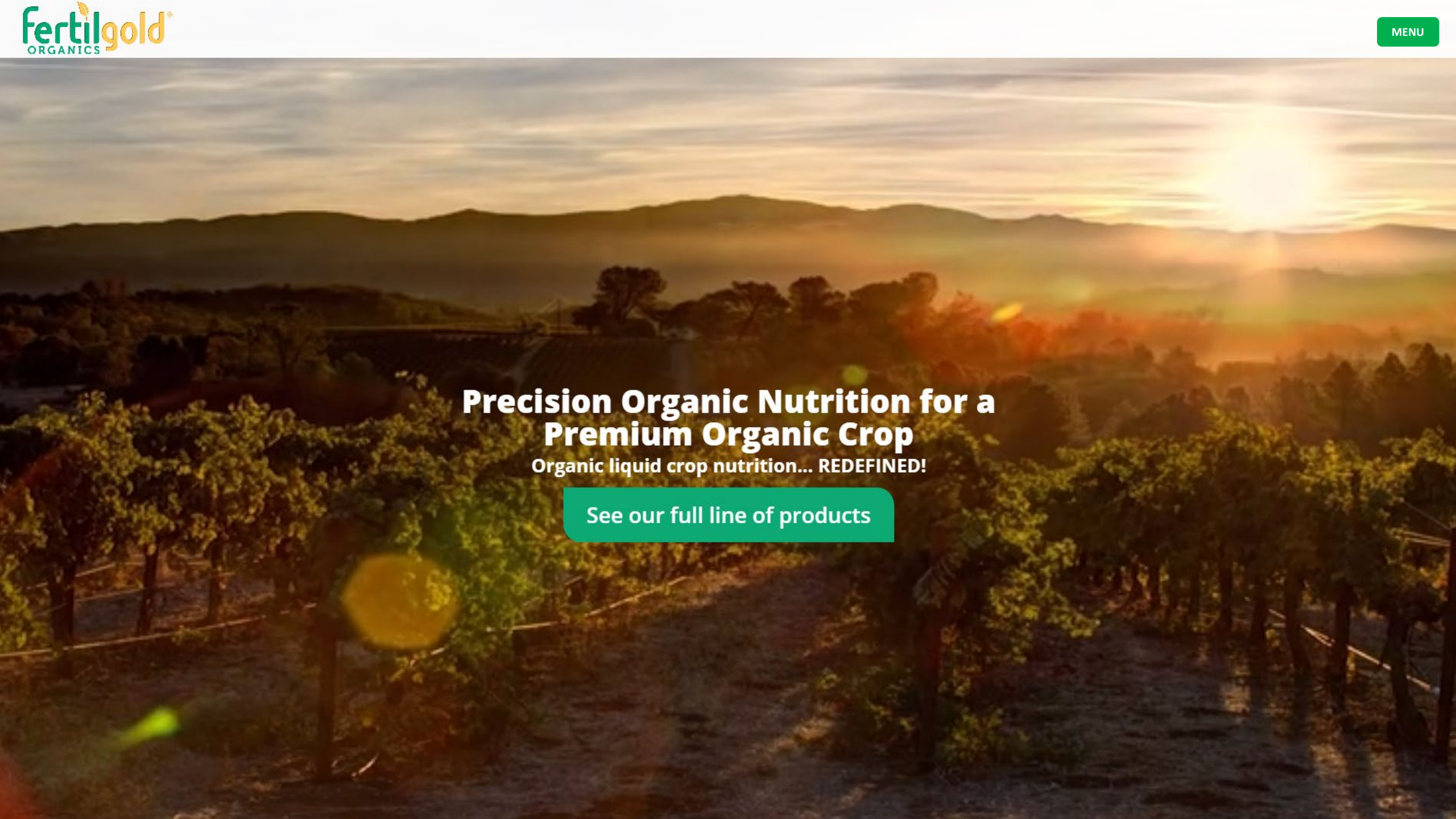


WORLD CONFERENCE
BHN
GILBERT, AZ 2018

2018

Fertilgold.COM

OMRI LISTED
For Organic Use


Fertilgold
ORGANICS
MENU
Precision Organic Nutrition for a Premium Organic Crop
Organic liquid crop nutrition... REDEFINED!
See our full line of products

Fertilgold ORGANICS

MENU

You need consistent, effective, organic products that deliver season after season.

Look no further.

OMRI LISTED For Organic Use

Fertilgold® Organics offers products in 7 categories (Sustainable Soil Fertility, Primary Macronutrients, Secondary Macronutrients and Micronutrients, Liquid Humic and Fulvic Acids, Dry Humic and Fulvic Acids, Biopesticides, and Surfactants). Use the drop-down menu below to see the product information by category.

Do you have a question?

We would love to hear from you!

Search by Product Category:

All Products

SOIL FERTILITY

Soil

- Improves the soil environment for aerobic biological growth and diversity
- Builds rich humus in all soil types
- Flocculates clay particles in soil for better aeration
- Increases water-use efficiency
- Buffers salts in high alkaline or sodium soils
- Increases nutrient availability at all soil pH levels

This product is not yet registered for sale.

DETAILS

PRIMARY MACRONUTRIENTS

N-5.5

NK

Translate »

PRIMARY MACRONUTRIENTS

N-5.5

- Effectively treats nitrogen deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Resists nitrogen leaching and volatilization
- Can be effectively tank-mixed with other crop inputs

This product is not yet registered for sale.

DETAILS

NK

- Provides quick nitrogen and potassium crop response
- Can be applied foliarly without risk of phytotoxicity
- Resists tie-up in the soil
- Resists nitrogen leaching and volatilization
- Can be effectively tank-mixed with other crop inputs

This product is not yet registered for sale.

DETAILS

K-6

- Effectively treats potassium deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Resists tie-up in the soil
- Can be effectively tank-mixed with other crop inputs
- Is a non-salt-contributor and does not contain chloride

Currently availble in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, SD, TX, WI

DETAILS

3-2-5

- Provides quick NPK crop response
- Can be applied foliarly without risk of phytotoxicity
- Resists tie-up in the soil
- Resists nitrogen leaching and volatilization
- Can be effectively tank-mixed with other crop inputs

This product is not yet registered for sale.

DETAILS

SECONDARY MACRO & MICRONUTRIENTS

Ca

- Nitrogen-free calcium nutrient product for foliar application
- Effectively treats calcium deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs

Currently availble in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, OR, SD, TX, WI

DETAILS

Fe

- Relieves chlorotic symptoms of iron-deficient plants
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs
- Resists tie-up in the soil

Currently availble in: AZ, AR, CO, FL, GA, ID, IL, IA, MN, MO, NE, OH

DETAILS

Mg

- Effectively treats magnesium deficiency symptoms
- Regulates the uptake of other plant nutrients
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other crop inputs

Zn

- Effectively treats zinc deficiency symptoms
- Provides quick crop response
- Can be applied foliarly without risk of phytotoxicity
- Can be effectively tank-mixed with other organic crop inputs

Translate »

Return to Products Page

Fertilgold® K-6

From: $32.50

This product is registered for sale in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, SD, TX, WI

Package Size (2) 2.5 Gallon Bottles Clear

Package Contains (2) 2.5 Gallon Bottles
$13.00 per Gallon

$32.50

1 Add to cart

Category: Primary Macronutrients

Description | **Additional information** | **Highlights** | **Documentation**

Description

Carbon-complexed with Micro Carbon Technology®, OMRI-Listed **Fertilgold® K-6** is an organic potassium product derived from potassium sulphate (6.0% K_2O and 2.0% sulfur, with 4.0% organic matter) that effectively maximizes potassium uptake by plants. Potassium promotes internal cellular strength for fruit development and maturity, and it helps to regulate the movement of water and nutrients within the plant.

Benefits of Use:

- Effectively treats potassium deficiency symptoms
- Provides quick crop response and can be applied just prior to crop need
- Can be applied foliarly (according to label directions) without risk of phytotoxicity
- Resists tie-up in the soil and remains available through the plant root system
- Can be effectively tank-mixed with other organic crop inputs
- Is a non-salt-contributor and does not contain chloride
- Aids in potassium uptake in heavy clay, compacted, or high-salinity soils
- Is completely water soluble and can be water incorporated

Translate »

Return to Products Page

Fertilgold® K-6

From: $32.50

This product is registered for sale in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, SD, TX, WI

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Package Contains (2) 2.5 Gallon Bottles
$13.00 per Gallon

$32.50

1 Add to cart

Category: Primary Macronutrients

Description | **Additional information** | Highlights | Documentation

Additional information

Weight	*100 oz*
Package Size	*(2) 2.5 Gallon Bottles, 275 Gallon Tote*

Twitter Facebook

Translate »

Return to Products Page

Fertilgold® K-6

From: $32.50

This product is registered for sale in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, SD, TX, WI

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Category: Primary Macronutrients

Description | Additional information | **Highlights** | Documentation

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Twitter Facebook

Translate »

Return to Products Page

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Package Contains (2) 2.5 Gallon Bottles
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$32.50

1 Add to cart

Category: Primary Macronutrients

Description | **Additional information** | **Highlights** | **Documentation**

English

- Label
- Safety Data Sheet
- Technical Bulletin
- OMRI Certificate

Twitter Facebook

Translate »

Fertilgold® K6

INSTRUCTIONS

- Designed for both soil and foliar application.
- FERTILGOLD®* K6 should be applied when tissue and soil analysis identifies the need and proper rate of application for this product.
- Best results will be obtained when application is concentrated in the active root zone or on the leaf surface.
- Can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar test a small quantity.
- Apply foliar sprays with sufficient water to ensure uniform coverage without running off leaf surfaces. For maximum results, apply in the early morning or in the evening when temperatures are optimum for foliar application.
- Do not apply FERTILGOLD® nutrients during the hottest time of the day or to plants under drought or flood stress.
- Application timing, intervals, and rates may vary according to individual crop requirement, stage of development, available nutrient levels in the soil, and overall nutritional status of the crop
- Consult your local FERTILGOLD® Representative or other agricultural specialist for crop-specific recommendations.

This product is intended as a supplement to a complete fertilizer program and will not, by itself, provide all of the nutrients normally required by agricultural crops.

STORAGE AND DISPOSAL

Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

© 2017–2018 *Registered Trademarks of and Produced by: Bio Huma Netics, Inc. ©
1331 W. Houston Ave., Gilbert, AZ 85233
480.961.1220
FGO-865-08152018

0-0-6
GUARANTEED ANALYSIS

Soluble Potash (K_2O)	6.0%
Sulfur (S)	2.0%

Derived from:
Potassium Sulfate

ALSO CONTAINS NON-PLANT FOOD INGREDIENT:
7.5% Organic Matter (derived from leonardite)

SHAKE WELL BEFORE USE.

Do not apply this product foliarly in concentrations greater than 5%.

Applications can be made as often as every 7 to 10 days as needed.

APPLICATION

METHOD	SUGGESTED RATE PER ACRE Field Crops / Tree or Vine Crops
Foliar band application at 50% coverage	Up to 2 gallons / –
Foliar broadcast or sprinklers: solid, set, linear, pivot (100% speed)	Up to 4 gallons / up to 8 gallons
Soil banded or injected, through drip tape or microsprinklers	Up to 8 gallons / up to 15 gallons
Soil broadcast spray incorporated, flood, or furrow irrigated	Up to 15 gallons / up to 30 gallons

pH: 2.0 - 3.0

9.33 lb/gal @ 68°F
1.12 kg/L @ 20°C

SAFETY

KEEP OUT OF REACH OF CHILDREN

Information regarding the contents and levels of metals in this product is available on the Internet at http://www.aapfco.org/metals.html

A hazy amber liquid having a characteristic odor. Ingestion may cause irritation to the entire gastrointestinal tract.

CLASSIFICATION: HAZARD CATEGORY 3 - MILD SKIN IRRITATION
SIGNAL WORD: WARNING
HAZARD STATEMENT: H316 - WARNING – causes mild skin irritation
PRECAUTIONARY STATEMENT: P332+P313: If skin irritation occurs: Get medical attention/advice.

CONDITIONS OF SALE

The information contained on this label is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, crop conditions, and other factors are beyond the control of the seller.

275 gallons • Net Wt. 2,566 lb
1,041.15 liters • Net Wt. 1,164 kg
Lot No. 12345678

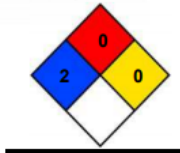
OMRI LISTED
For Organic Use

Fertilgold.com

SAMPLE

REV A 12/28/17

SAFETY DATA SHEET
Fertilgold® - K6



HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	C

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER:	**Fertilgold® - K6**	**Product # 2865**
GENERAL USE:	Used as a part of a plant nutrition program.	
PRODUCT DESCRIPTION:	A hazy amber liquid having a characteristic odor.	

SUPPLIER INFORMATION:

Fertilgold® Organics
Manufactured by;
Bio Huma Netics, Inc.
1331 W Houston Avenue
Gilbert, AZ 85233
PHONE: (480) 961-1220

For Additional SDS call:
(480) 961-1220

EMERGENCY PHONE NUMBERS

CHEMTREC: (In the USA) 800-424-9300
(International) 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

HAZARDS OVERVIEW:

A hazy amber liquid having a characteristic odor.
Ingestion may cause irritation to the entire gastrointestinal tract.

CLASSIFICATION: HAZARD CATEGORY 3 - MILD SKIN IRRITATION
SIGNAL WORD: WARNING
HAZARD STATEMENT: H316 - WARNING - causes mild skin irritation
PRECAUTIONARY STATEMENT: P332+P313; If skin irritation occurs: Get medical attention/advice.

CLASSIFICATION: HAZARD CATEGORY 5 - MAY BE HARMFUL IF SWALLOWED
SIGNAL WORD: WARNING
HAZARD STATEMENT: H303 - WARNING – may be harmful if swallowed
PRECAUTIONARY STATEMENT: P312; Call a poison center/doctor/physician if you feel unwell

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

				ACGIH		OSHA	
COMPONENT	CAS #	OSHA HAZARD	WT %	$TLV_{(TWA)}$	STEL	$PEL_{(TWA)}$	STEL
Potassium Sulfate	7778-80-5	Toxic by Ingestion	11 ± 1	None	None	None	None

NDA = No Data Available N/A = Not Applicable

Fertilgold® K-6

Primary Macronutrient

Guaranteed Analysis 0-0-6

Soluble Potash (K_2O)..... 6.00%
Sulfur (S)..... 2.00%

Derived From:
Potassium Sulfate.

Also Contains Non-Plant-Food Ingredient:
4.0% Organic Matter (derived from leonardite)

Physical Properties:
Form: Liquid
Appearance: Hazy amber, having a characteristic odor.
Weight: 9.33 lbs per gallon, 1.12 kg/L
pH: 2.0–3.0

Caution:
Keep out of reach of children.
Harmful if swallowed. Causes mild skin irritation.

Storage and Disposal:
Keep product in original container. Do not transfer into food or drink containers. Triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations. Do not store this product below 50°F (10°C) or above 90°F (30°C).

Conditions of Sale:
The information contained in this bulletin is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, crop conditions, and other factors are beyond the control of the seller.

The Organic Solution for Crop Potassium Nutrition

Carbon-complexed with Micro Carbon Technology®, OMRI-Listed ***Fertilgold® K-6*** is an organic potassium product that effectively maximizes potassium uptake by plants. Potassium promotes internal cellular strength for fruit development and maturity, and it helps to regulate the movement of water and nutrients within the plant.

Benefits of Use:

- Effectively treats potassium deficiency symptoms
- Provides quick crop response and can be applied just prior to crop need
- Can be applied foliarly (according to label directions) without risk of phytotoxicity
- Resists tie-up in the soil and remains available through the plant root system
- Can be effectively tank-mixed with other organic crop inputs
- Is a non-salt-contributor and does not contain chloride
- Aids in potassium uptake in heavy clay, compacted, or high-salinity soils
- Is completely water soluble and can be water incorporated

Application Instructions:
SHAKE WELL BEFORE USE. May be applied to the soil or foliarly. **Do not apply foliarly in concentrations greater than 5%.** Best results will be obtained when application is concentrated in the active root zone or on the leaf surface. Applications can be made as often as every 7 to 10 days, as needed. ***Fertilgold® K-6*** can be applied in combination with compatible plant growth regulators, pesticides, or other liquid fertilizers. If compatibility is in question, jar test a small quantity. Application timing, intervals, and rates may vary according to individual crop requirement, stage of development, available nutrient levels in the soil, and overall nutritional status of the crop. Suggested application rates are in the table below. Consult your local Fertigold® Representative or other agricultural specialist for crop-specific recommendations.

METHOD OF APPLICATION	SUGGESTED RATE *Field Crops/ Tree or Vine Crops*	
Foliar band application at 50% coverage	Up to 2 gallons/acre, 20 liters /hectare	—
Foliar broadcast or sprinklers: solid, set, pivot, linear (100% speed)	Up to 4 gallons/acre, 40 liters /hectare	Up to 8 gallons/acre, 80 liters /hectare
Soil banded or injected, through drip tape or micro sprinklers	Up to 8 gallons/acre, 80 liters /hectare	Up to 15 gallons/acre, 150 liters /hectare
Soil broadcast spray incorporated, flood or furrow irrigated	Up to 15 gallons/acre, 150 liters /hectare	Up to 30 gallons/acre, 300 liters /hectare

OMRI Listed®

The following product is OMRI Listed. It may be used in certified organic production or food processing and handling according to the USDA National Organic Program Rule.

Product
Fertilgold K6 0-0-6

Company
Bio Huma Netics, Inc
Lyndon Smith
1331 W. Houston Ave
Gilbert AZ 85233-1816 United States

Status	Category	Issue date
Allowed	NOP: Potassium Sulfate – nonsynthetic	02-Jul-2018

Product number	Class	Expiration date
bhn-10887	Crop Fertilizers and Soil Amendments	01-Sep-2019

Restrictions
Not applicable.

Peggy Miars
Executive Director

Product review is conducted according to the policies in the current *OMRI Policy Manual*® and based on the standards in the current *OMRI Standards Manual*®. To verify the current status of this or any OMRI Listed product, view the most current version of the *OMRI Products List*® at OMRI.org. OMRI listing is not equivalent to organic certification and is not a product endorsement. It cannot be construed as such. Final decisions on the acceptability of a product for use in a certified organic system are the responsibility of a USDA accredited certification agent. It is the operator's responsibility to properly use the product, including following any restrictions.

"K-6" has been added to your cart. View cart

Fertilgold® K-6

From: $32.50

This product is registered for sale in: AZ, AR, CO, FL, GA, ID, IL, IN, IA, MN, MO, NE, NM, NY, OH, SD, TX, WI

Package Size (2) 2.5 Gallon Bottles Clear

Package Contains (2) 2.5 Gallon Bottles
$13.00 per Gallon

$32.50

1 Add to cart

Category: Primary Macronutrients

Description | **Additional information** | **Highlights** | **Documentation**

Description

Carbon-complexed with Micro Carbon Technology®, OMRI-Listed **Fertilgold® K-6** is an organic potassium product derived from potassium sulphate (6.0% K_2O and 2.0% sulfur, with 4.0% organic matter) that effectively maximizes potassium uptake by plants. Potassium promotes internal cellular strength for fruit development and maturity, and it helps to regulate the movement of water and nutrients within the plant.

Benefits of Use:

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- Can be applied foliarly (according to label directions) without risk of phytotoxicity
- Resists tie-up in the soil and remains available through the plant root system

Translate »

Cart

Return to Shop

		Product	Price	Quantity	Total
×		K-6 - (2) 2.5 Gallon Bottles	$32.50	1	$32.50

Update cart

Cart totals

Subtotal	$32.50
Shipping	Calculate shipping
Total	**$32.50**

Proceed to checkout

Contact Us

EMAIL: info@fertilgold.com

ADDRESS: 1331 W Houston Ave.
Gilbert, AZ 85233

PHONE: (800) 961-1220

Translate »

FARMERS BUSINESS NETWORK

AFTER SAMPLE 2

Fertilgold ORGANICS

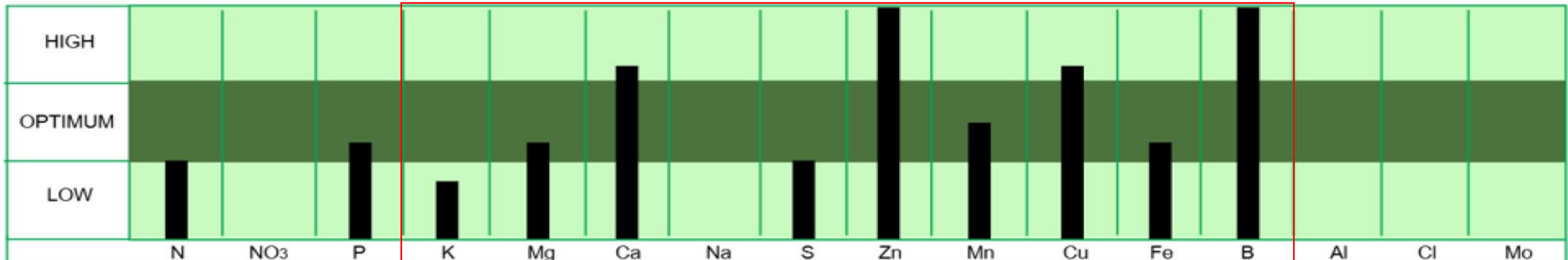
Sample Marked: **WT9122** Crop: **CORN GRAIN FILL** Plant Part: **LEAF**

Results of Laboratory Analysis

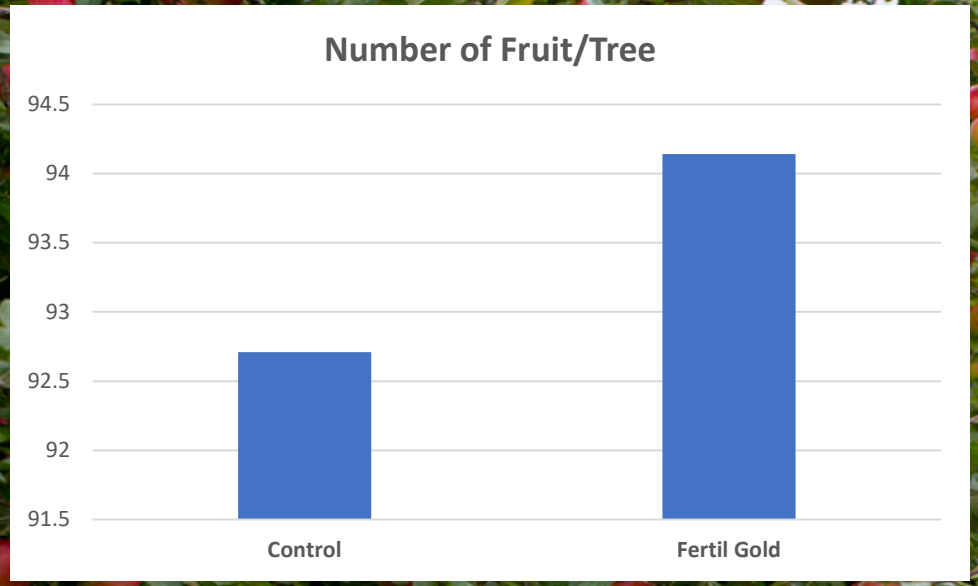
Laboratory Analysis	2.18		0.26	0.85	0.30	0.93	0.01	0.18	86.33	94.6	16.7	47.2	44.9	14.1		
	% Nitrogen	ppm Nitrate	% Phosphorus	% Potassium	% Magnesium	% Calcium	% Sodium	% Sulfur	ppm Zinc	ppm Manganese	ppm Copper	ppm Iron	ppm Boron	ppm Aluminum	% Chloride	ppm Molybdenum

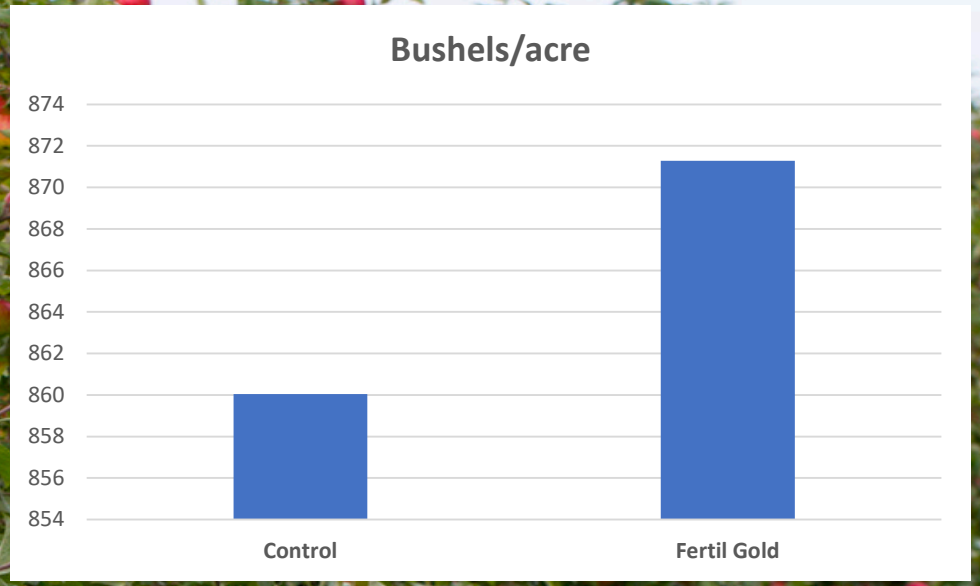
Graphic Rating of Results Compared to Normal Ranges

Normal Ranges	2.5 *to* 3.8	*to*	0.24 *to* 0.45	1.7 *to* 2.8	0.2 *to* 0.75	0.25 *to* 0.9	N/A *to* N/A	0.21 *to* 0.44	20 *to* 50	20 *to* 180	6 *to* 15	20 *to* 200	5 *to* 20	N/A *to* N/A	*to*	*to*

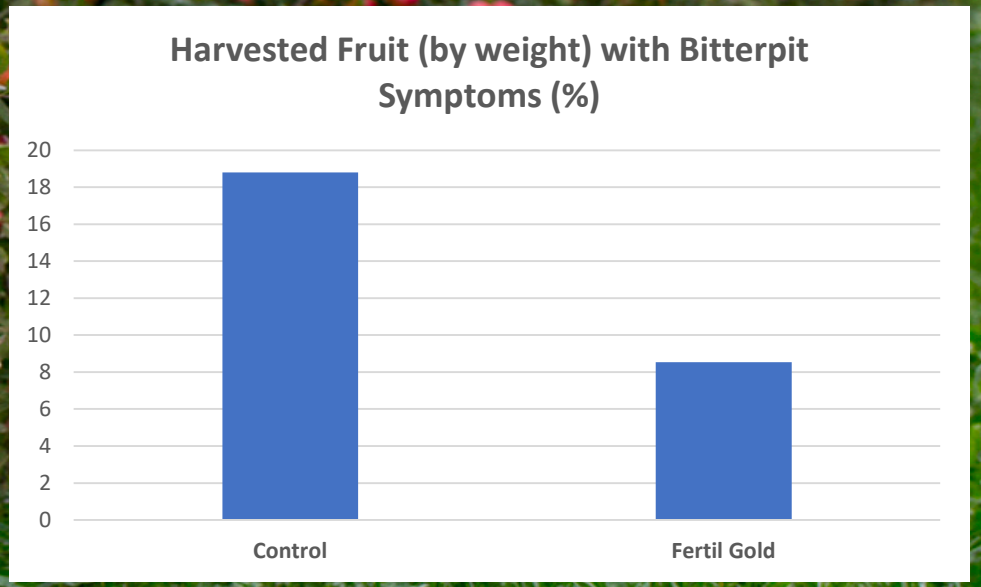


Fertilgold® Ca on Celery in Florida





- A trial was done in New York on Honeycrisp Apples with Calcium applications for controlling bitterpit symptoms.
- Fertilgold® Ca was applied throughout the growing season. Yields all across the board were extremely high.
- Control had no foliar Ca applications.
- Fertilgold® treatment had 9 foliar applications of Ca at 64oz/acre each.



BIENVENIDOS…

MANUEL A. CAMPOS MACOSSAY
AGRONOMIC CONSULTANT
TEL/CEL: +1 480-246-5469
correo: manuel@bhn.us

FERTILIZANTES ORGÁNICOS O ECOLOGICOS DE FERTILGOLD …


Fertilgold®
.COM

FERTILIZANTES ORGÁNICOS O ECOLOGICOS...

- Los fertilizantes orgánicos o ecológicos, cada vez van tomando gran importancia en cualquier tipo de producción agrícola en todo el mundo y, en este año 2018 que casi termina y 2 años atrás fueron los años donde las agrícolas han desarrollado técnicas de uso de los abonos orgánicos y van en los próximos años a lograr los rendimientos que se obtiene con el uso de los abonos convencionales.

- Fertilgold Organics, Huma Gro, a desarrollado la línea de especialización para este concepto, con los estándares y controles necesarios que exige la reglamentación de certificación OMRI, para los países que exportan a Estados Unidos de América.

- Para esto se desarrollaron productos, N, N-P2O5-K2O, K, N-K, CaO, MgO, Complejo de Micro elementos Balanceado, Fe, Mn, Materia Orgánica Liquida, Acomplejan te para fertilizantes peletizados, Ácidos Húmicos y Fúlvicos granular.

FERTILIZANTES ORGÁNICOS O ECOLOGICOS

PRODUCTO	CONTENIDO	CONCENTRACION %	DENSIDAD
FERTILGOLD N-5.5	NITRÓGENO	5.5	1.20
FERTILGOLD K-6	POTASIO	6.0	1.12
FERTILGOLD NK	NIITRÓGENO-POTASIO	3-0-3	1.16
FERTILGOLD N-P-K	NITRÓGENO-FOSFORO-POTASIO	3-2-5	1.30
FERTILGOLD Ca	CALCIO	0-0-0-8Ca	1.21
FERTILGOLD Mg	MAGNESIO	0-0-0-5Mg	1.26
FERTILGOLD MICROS1	Fe, Mn, Cu, Zn, B, Mo	4.0, 2.0, 0.16, 1.0, 0.4, 0.128	1.26

VALORES ORIENTATIVOS DE LOS ABONOS...

FERTILIZANTE	VOLUMEN	N-ORG	P2O5	K2O
FERTILGOLD 3-2-5	100 L	3.0 UF	2.0 UF	5.0 UF
	75 L	2.25 UF	1.5 UF	3.75 UF
	50 L	1.5 UF	1.0 UF	2.50 UF
	25 L	0.75 UF	0.50 UF	1.25 UF
	20 L	0.60 UF	0.40 UF	1.0 UF
	15 L	0.45 UF	0.30 UF	0.75 UF
	10 L	0.30 UF	0.20 UF	0.50 UF

FERTILIZANTE	VOLUMEN	N-ORG	P2O5	K2O	CaO	MgO	ME	M3 AGUA	UF/VOL/RIEGO		
									N	P2O5	K2O
FERTILGOLD 3-2-5	10 L	1.0 meq/L	0.13 meq/l	0.5 meq/L	-	-	-	28	0.30	0.20	0.50
	15 L	1.5	0.195	0.75	-	-	-	28	0.45	0.30	0.75
	20 L	2.0	0.26	1.0	-	-	-	28	0.60	0.40	1.0
	25 L	2.5	0.32	1.25	-	-	-	28	0.75	0.50	1.25
	50 L	5.0	0.64	2.50	-	-	-	28	1.50	1.00	2.50
	75 L	7.5	0.97	3.75	-	-	-	28	2.25	1.50	3.75
	100 L	10.0	1.30	5.00	-	-	-	28	3.0	2.0	5.0

ENSAYO DE ABONADO ORGÁNICO...

RESUMEN DE ENSAYO

- Se ha establecido una parcela de 180 m2 por tercera ocasión para lograr los resultados en la puesta de ensayo con el uso de los fertilizantes orgánicos o ecológicos de FertilGold-Huma Gro, con el objetivo de encontrar los valores de eficiencia que generan dichos abonos conceptualmente, como lo es la TMC.

- Se realizó de siembra directa con 3 variedades distintas de Pepino Americano en el sector de riego.
- Este cuenta con manguera de goteo auto compensado a 40 cms de distancia.
- Surcos de 9 mt de longitud por 1 mt de ancho.
- Dando una densidad de 2.5 pl/m2.
- Se consideraron 400-500lt/m2 de agua en todo el ciclo de aporte desde un inicio y ajustado a la evapotranspiración diaria.
- Fecha de siembra: 20/10/2018.

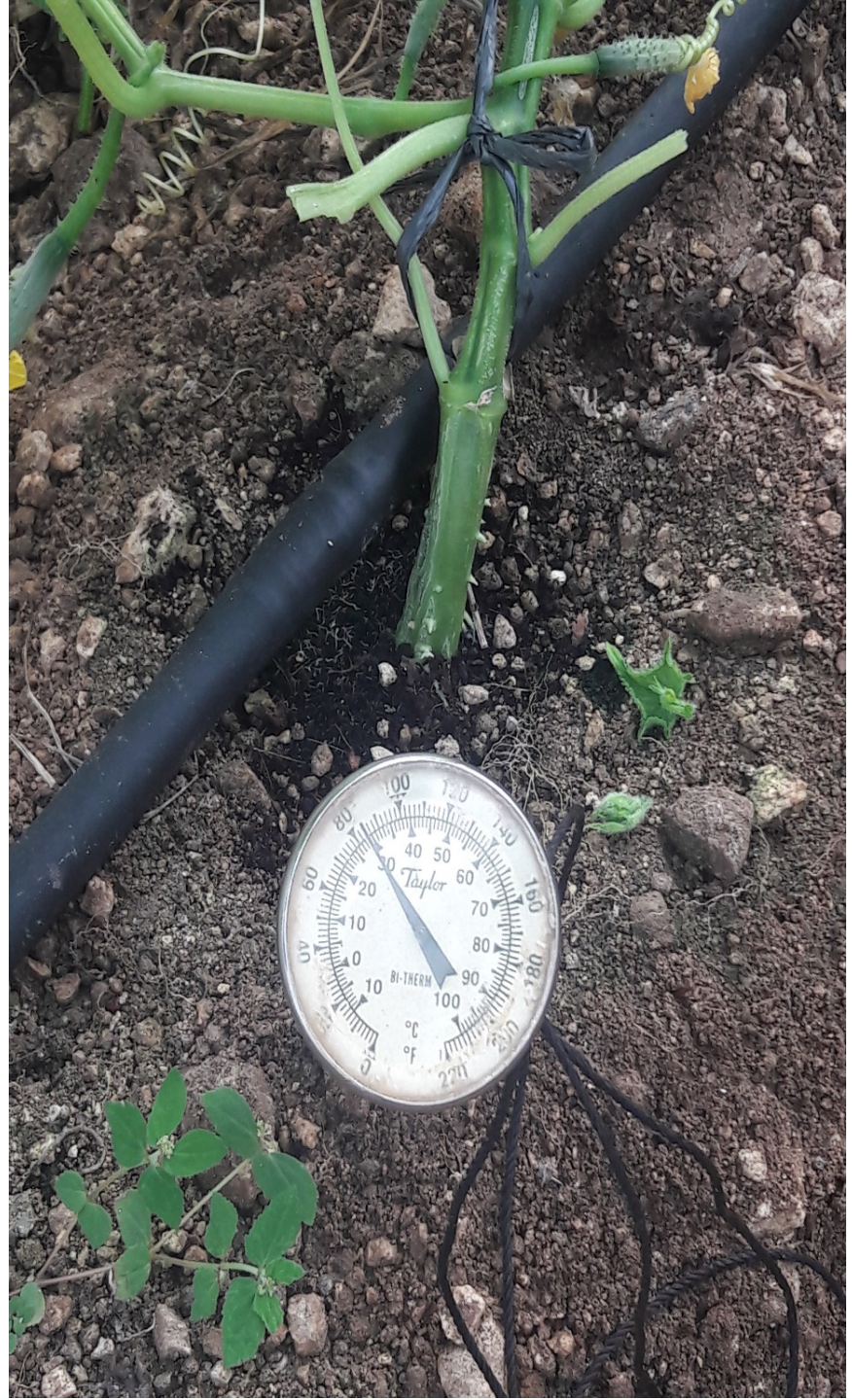
ENSAYO DE ABONADO ORGÁNICO... RESUMEN DE ENSAYO

- Se han usado 2 ajustes solamente para observar el comportamiento del cultivo y tomar datos de savia, solución del suelo con sonda de succión y medir la disolución nutritiva.
- La primera de inicio del cultivo que fue:

PRODUCTO	DOSIS/M3	DIAS	SUPERFICIE	DOSIS/Ha/DÍA
N-P-K (3-2-5)	100 ML	30	180 M2	5.55 L
N (5.5)	50 ML	30	180 M2	2.77 L
MICRO 1	20 ML	30	180 M2	

PRODUCTO	DOSIS/M3	DIAS	SUPERFICIE	DOSIS/Ha/DÍA
N-P-K (3-2-5)	70 ML	53	180 M2	3.88 L
N-K(3-0-3)	50 ML	53	180 M2	2.77 L
MICRO 1	30 ML	53	180 M2	

FOTOGRAFIAS DE ENSAYO...


Taylor
BI-THERM
°C
°F

GRACIAS POR SU ATENCION…

Fertilgold® ORGANICS

correo: manuel@bhn.us

TECNOLOGÍA MICRO CARBONO™

Fertilgold® ORGANICS

DAVID KNAUS; APICAL-AG

- **FERTILGOLD RESEARCH**

apical

Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/9/2018
FIELD ID	Home
BLOCK	Back

SAMPLE #	5636-37
CROP	Aple
CULTIVAR	Liberty
GROWTH STAGE	Fruit Fill (Pre- FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Scab
GENERAL NOTES	Low K, Ca, P, B.

Soil Treatment

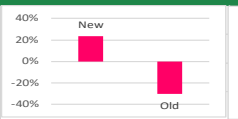
1 Gallon	Fertilgold Ca
64 oz	Fertilgold NK
32 oz	Fertilgold Micros
1 gallon	Fertilgold N 5.5

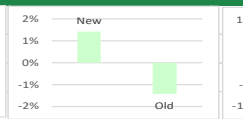
Foliar Treatment

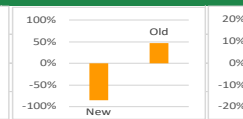
128 oz	Fertilgold Ca
64 oz	Fertilgold Micros
64 oz	Fertilgold N 5.5

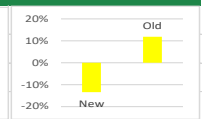
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	5.4	0	0%
pH Old	5.4	0	0%
Digital Brix New	24.4	2.2	9%
Digital Brix Old	22.2	-2.2	-10%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	412.50	53.5	13%
NH4-Ammonium Old	359.00	-53.5	-15%
K-Potassium New	767.42	178.61	23%
K-Potassium Old	588.81	-178.61	-30%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	1989.95	28.1	1%
Mg-Magnesium Old	1961.85	-28.1	-1%
Ca-Calcium New	2035.63	-1737.32	-85%
Ca-Calcium Old	3772.95	1737.32	46%
Na-Sodium New	34.53	-4.66	-13%
Na-Sodium Old	39.19	4.66	12%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	12.55	3.65	29%
Fe-Iron Old	8.9	-3.65	-41%
Mn-Manganese New	22.09	-0.34	-2%
Mn-Manganese Old	22.43	0.34	2%
Zn-Zinc New	4.59	0.27	6%
Zn-Zinc Old	4.32	-0.27	-6%
Cu-Copper New	1.61	0.07	4%
Cu-Copper Old	1.54	-0.07	-5%

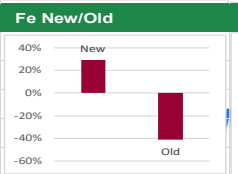
NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

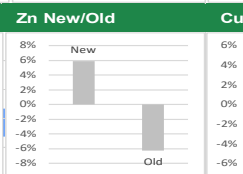


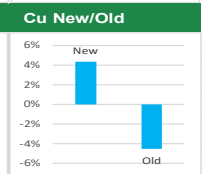






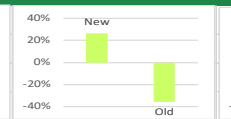


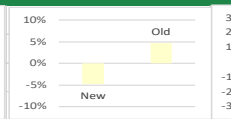


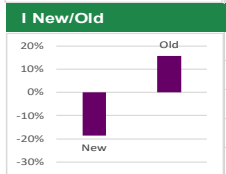


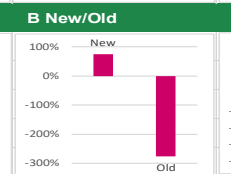
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	12.7	-0.88	-7%
EC Old (mS/cm)	13.58	0.88	6%
Qualitative Brix New	24.8	2.4	10%
Qualitative Brix Old	22.4	-2.4	-11%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	236.00	6	3%
NO3-Nitrate Old	230.00	-6	-3%
P-Phosphorous New	406.69	42.97	11%
P-Phosphorous Old	363.72	-42.97	-12%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	923.66	243.43	26%
S-Sulfur Old	680.23	-243.43	-36%
Cl-Chloride New	206.5	-10	-5%
Cl-Chloride Old	216.5	10	5%
Si-Silicon New	14.1	2.6	18%
Si-Silicon Old	11.5	-2.6	-23%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	67.00	-12.5	-19%
I-Iodine Old	79.50	12.5	16%
B-Boron New	3.31	2.43	73%
B-Boron Old	0.88	-2.43	-276%
Mo-Molybdenum New	0.72	0.19	26%
Mo-Molybdenum Old	0.53	-0.19	-36%
Al-Aluminum New	6.98	1.13	16%
Al-Aluminum Old	5.85	-1.13	-19%

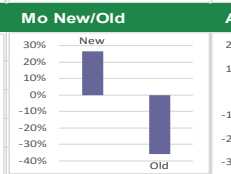
NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)

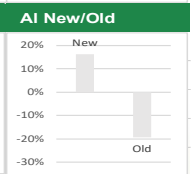










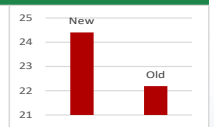


PH NEW

PH OLD

CONDUCTIVITY

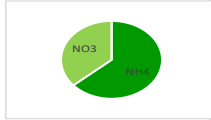
BRIX



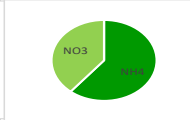
NH4 NEW/ NH4 OLD

NO3 NEW//NO3 OLD

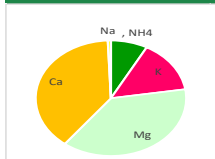
NH4/NO3 NEW



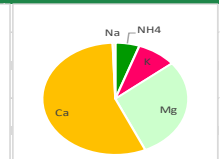
NH4/NO3 OLD



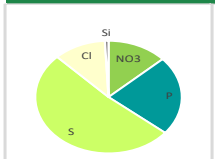
% CATIONS NEW



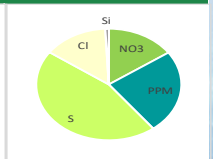
% CATIONS OLD



% ANIONS NEW



% ANIONS OLD



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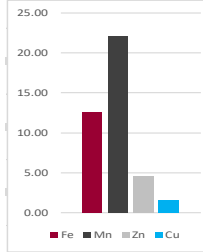

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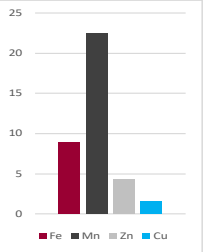
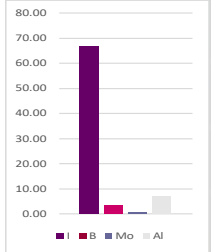
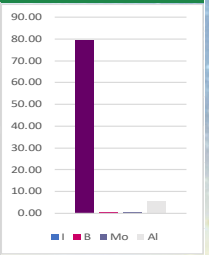


MICRO ANION NEW

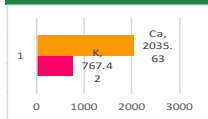


MICRO ANION OLD

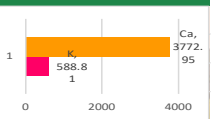


CALCIUM RATIOS

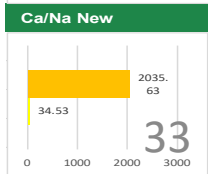
Ca/K New



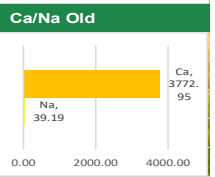
Ca/K Old



Ca/Na New

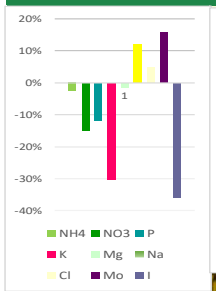


Ca/Na Old

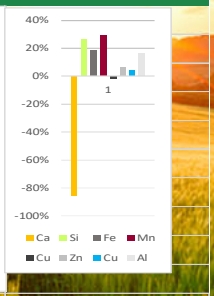


LIMITING INDICATORS

MOBILE INDICATORS



IMMOBILE INDICATORS



SAMPLE #	5636-37
CROP	Aple
CULTIVAR	Liberty
GROWTH STAGE	Fruit Fill **(Pre- FG Treatment)**
HEALTH OF CROP	
PEST/DISEASE NOTES	Scab
GENERAL NOTES	Low K, Ca, P, B.

Soil Treatment			Foliar Treatment	
1 Gallon	Fertilgold Ca		128 oz	Fertilgold Ca
64 oz	Fertilgold NK		64 oz	Fertilgold Micros
32 oz	Fertilgold Micros		64 oz	Fertilgold N 5.5
1 gallon	Fertilgold N 5.5			

Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/9/2018
FIELD ID	Home
BLOCK	Back

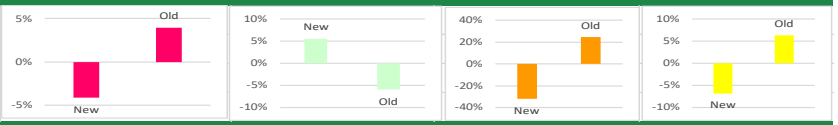
SAMPLE #	5716-17
CROP	Aple
CULTIVAR	Liberty
GROWTH STAGE	Fruit Fill (Post- FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Scab
GENERAL NOTES	

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	5.7	0.1	2%
pH Old	5.6	-0.1	-2%
Digital Brix New	24.6	-0.3	-1%
Digital Brix Old	24.9	0.3	1%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	521.19	4.58	1%
NH4-Ammonium Old	516.61	-4.58	-1%
K-Potassium New	788.53	-32.66	-4%
K-Potassium Old	821.19	32.66	4%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	1821.67	101.7	6%
Mg-Magnesium Old	1719.97	-101.7	-6%
Ca-Calcium New	3192.81	-1023.8	-32%
Ca-Calcium Old	4216.61	1023.8	24%
Na-Sodium New	33.31	-2.26	-7%
Na-Sodium Old	35.57	2.26	6%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	27.79	6.67	24%
Fe-Iron Old	21.12	-6.67	-32%
Mn-Manganese New	25.57	-2.14	-8%
Mn-Manganese Old	27.71	2.14	8%
Zn-Zinc New	5.11	-0.08	-2%
Zn-Zinc Old	5.19	0.08	2%
Cu-Copper New	1.81	-0.08	-4%
Cu-Copper Old	1.89	0.08	4%

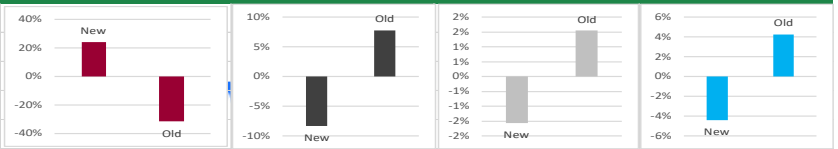
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	15.31	0.32	2%
EC Old (mS/cm)	14.99	-0.32	-2%
Qualitative Brix New	24.8	-0.3	-1%
Qualitative Brix Old	25.1	0.3	1%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	438.00	23.5	5%
NO3-Nitrate Old	414.50	-23.5	-6%
P-Phosphorous New	429.32	61.61	14%
P-Phosphorous Old	367.71	-61.61	-17%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	967.79	96.08	10%
S-Sulfur Old	871.71	-96.08	-11%
Cl-Chloride New	212.16	-7.81	-4%
Cl-Chloride Old	219.97	7.81	4%
Si-Silicon New	16.70	-0.5	-3%
Si-Silicon Old	17.20	0.5	3%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	62.75	-8.44	-13%
I-Iodine Old	71.19	8.44	12%
B-Boron New	5.21	0.32	6%
B-Boron Old	4.89	-0.32	-7%
Mo-Molybdenum New	0.56	0.05	9%
Mo-Molybdenum Old	0.51	-0.05	-10%
Al-Aluminum New	5.21	0.09	2%
Al-Aluminum Old	5.12	-0.09	-2%

NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

K New/Old | Mg New/Old | Ca New/Old | Na New/Old

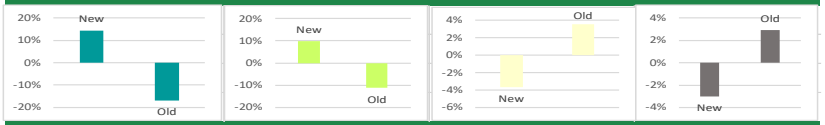


Fe New/Old | Mn New/Old | Zn New/Old | Cu New/Old

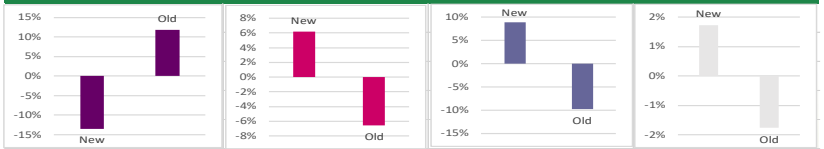


NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)

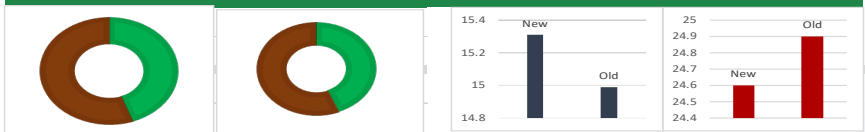
P New/Old | S New/Old | Cl New/Old | Si New/Old



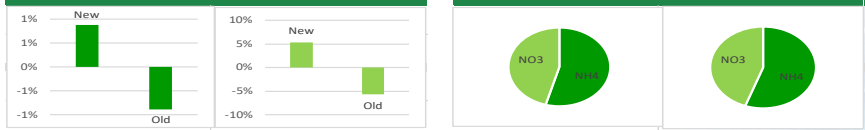
I New/Old | B New/Old | Mo New/Old | Al New/Old



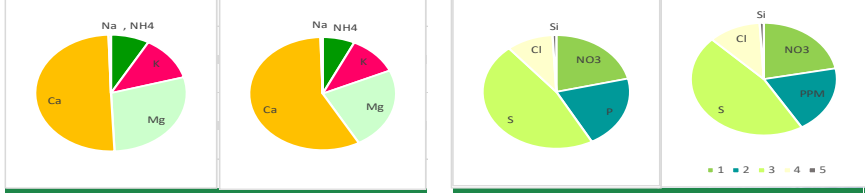
PH NEW | PH OLD | CONDUCTIVITY | BRIX



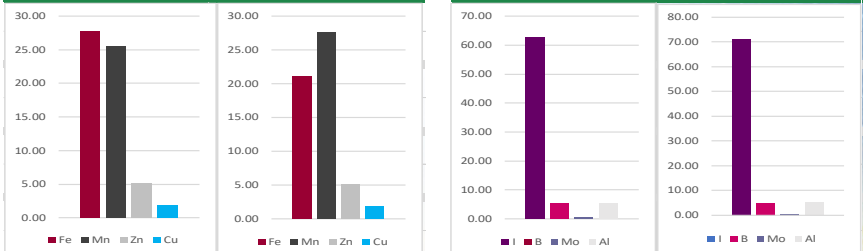
NH4 NEW/ NH4 OLD | NO3 NEW//NO3 OLD | NH4/NO3 NEW | NH4/NO3 OLD



% CATIONS NEW | % CATIONS OLD | % ANIONS NEW | % ANIONS OLD



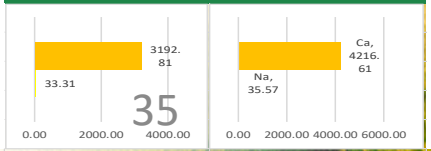
MICRO CATION NEW | MICRO CATION OLD | MICRO ANION NEW | MICRO ANION OLD



CALCIUM RATIOS

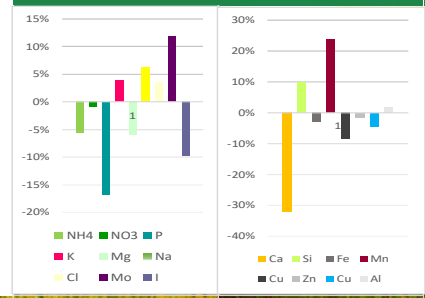
Ca/K New | Ca/K Old

Ca/Na New | Ca/Na Old



LIMITING INDICATORS

MOBILE INDICATORS | IMMOBILE INDICATORS



Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/9/2018
FIELD ID	Home
BLOCK	Back

SAMPLE #	5616-17
CROP	Nectarine
CULTIVAR	Harko
GROWTH STAGE	Post Harvest (Pre FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Leaf Curl
GENERAL NOTES	Excessive Cl. High: K, Mg. Low NO3, Ca, Cation Micros.

Soil Treatment		Foliar Treatment	
3 gallon	Fertilgold Ca	128 oz	Fertilgold Ca
2 gallon	Fertilgold XT	64 oz	Fertilgold Micros
32 oz	Fertilgold Micros	64 oz	Fertilgold XT
1 gallon	Fertilgold N 5.5	*1 lb*	*Serenade*

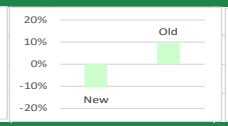
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	5.3	-0.2	-4%
pH Old	5.5	0.2	4%
Digital Brix New	18.4	0.9	5%
Digital Brix Old	17.5	-0.9	-5%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	550	-50	-9%
NH4-Ammonium Old	600.00	50	8%
K-Potassium New	1147.04	-292.68	-26%
K-Potassium Old	1439.72	292.68	20%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	2218.61	-233.85	-11%
Mg-Magnesium Old	2452.46	233.85	10%
Ca-Calcium New	116.03	26.14	23%
Ca-Calcium Old	89.89	-26.14	-29%
Na-Sodium New	27.27	3.79	14%
Na-Sodium Old	23.48	-3.79	-16%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	13.81	3.15	23%
Fe-Iron Old	10.66	-3.15	-30%
Mn-Manganese New	9	1.04	12%
Mn-Manganese Old	7.54	-1.04	-14%
Zn-Zinc New	4.5	-2.54	-56%
Zn-Zinc Old	7.04	2.54	36%
Cu-Copper New	1	0.26	20%
Cu-Copper Old	1.05	-0.26	-25%

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	25.6	9.3	36%
EC Old (mS/cm)	16.3	-9.3	-57%
Qualitative Brix New	18.4	0.8	4%
Qualitative Brix Old	17.6	-0.8	-5%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	218.5	-18.5	-8%
NO3-Nitrate Old	237	18.5	8%
P-Phosphorous New	327.73	-17.9	-5%
P-Phosphorous Old	345.63	17.9	5%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	453.54	-233.57	-51%
S-Sulfur Old	687.11	233.57	34%
Cl-Chloride New	5200	465	9%
Cl-Chloride Old	4735	-465	-10%
Si-Silicon New	17.69	0.02	0%
Si-Silicon Old	17.67	-0.02	0%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	0.55	-0.25	-45%
I-Iodine Old	0.80	0.25	31%
B-Boron New	4	-0.17	-4%
B-Boron Old	4	0.17	4%
Mo-Molybdenum New	0.47	-0.01	-2%
Mo-Molybdenum Old	0.48	0.01	2%
Al-Aluminum New	4.76	0.32	7%
Al-Aluminum Old	4.44	-0.32	-7%

NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

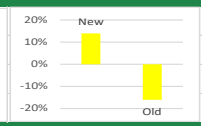
K New/Old

Mg New/Old

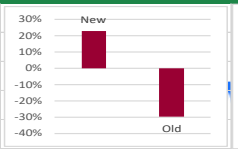


Ca New/Old

Na New/Old

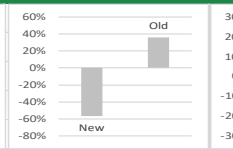


Fe New/Old

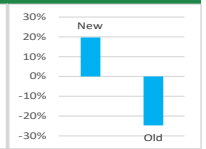


Mn New/Old

Zn New/Old



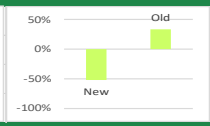
Cu New/Old



NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)

P New/Old

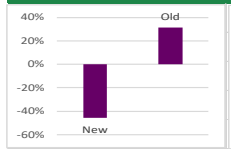
S New/Old



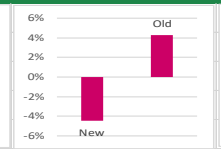
Cl New/Old

Si New/Old

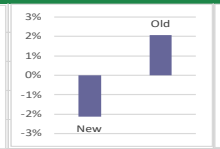
I New/Old



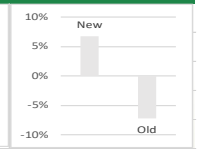
B New/Old



Mo New/Old

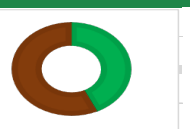


Al New/Old



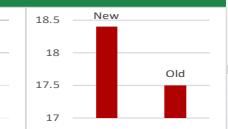
PH NEW

PH OLD



CONDUCTIVITY

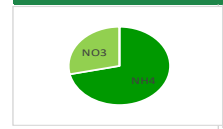
BRIX



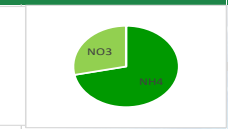
NH4 NEW/ NH4 OLD

NO3 NEW//NO3 OLD

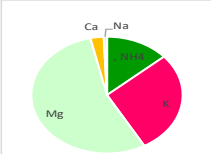
NH4/NO3 NEW



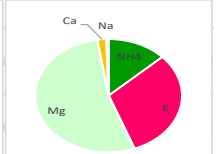
NH4/NO3 OLD



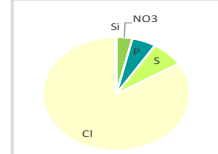
% CATIONS NEW



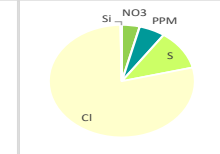
% CATIONS OLD



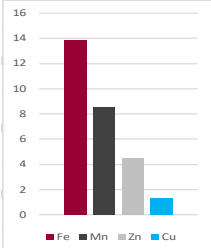
% ANIONS NEW



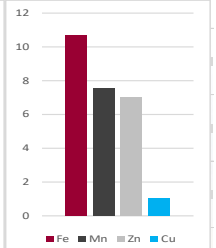
% ANIONS OLD



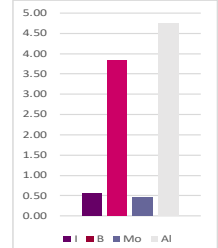
MICRO CATION NEW



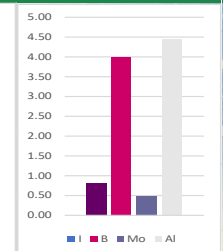
MICRO CATION OLD



MICRO ANION NEW

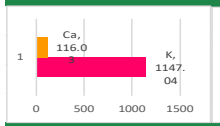


MICRO ANION OLD

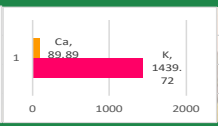


CALCIUM RATIOS

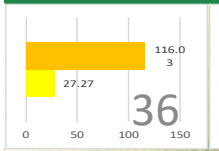
Ca/K New



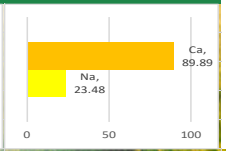
Ca/K Old



Ca/Na New

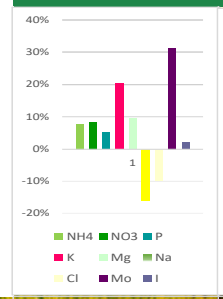


Ca/Na Old

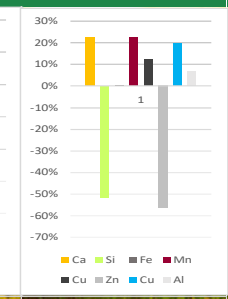


LIMITING INDICATORS

MOBILE INDICATORS



IMMOBILE INDICATORS



Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/9/2018
FIELD ID	Home
BLOCK	Back

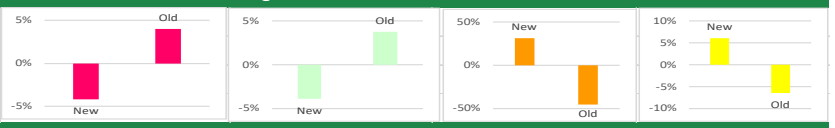
SAMPLE #	5714-15
CROP	Nectarine
CULTIVAR	Harko
GROWTH STAGE	Post Harvest (Post FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Leaf Curl
GENERAL NOTES	

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	5.7	0.1	2%
pH Old	5.6	-0.1	-2%
Digital Brix New	19.6	0.8	4%
Digital Brix Old	18.8	-0.8	-4%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	521.00	54	10%
NH4-Ammonium Old	467.00	-54	-12%
K-Potassium New	884.31	-37	-4%
K-Potassium Old	921.31	37	4%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	2180.83	-84.64	-4%
Mg-Magnesium Old	2265.47	84.64	4%
Ca-Calcium New	872.13	273.27	31%
Ca-Calcium Old	598.86	-273.27	-46%
Na-Sodium New	31.16	1.87	6%
Na-Sodium Old	29.29	-1.87	-6%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	16.31	2.04	13%
Fe-Iron Old	14.27	-2.04	-14%
Mn-Manganese New	19.57	-1.62	-8%
Mn-Manganese Old	21.19	1.62	8%
Zn-Zinc New	6.10	-3.1	-51%
Zn-Zinc Old	9.20	3.1	34%
Cu-Copper New	1.39	0.2	14%
Cu-Copper Old	1.19	-0.2	-17%

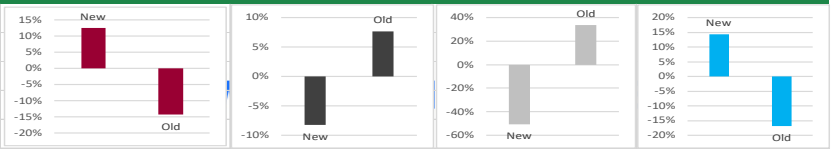
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	14.89	1.02	7%
EC Old (mS/cm)	13.87	-1.02	-7%
Qualitative Brix New	19.4	0.7	4%
Qualitative Brix Old	18.7	-0.7	-4%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	567.00	-62	-11%
NO3-Nitrate Old	629.00	62	10%
P-Phosphorous New	367.71	6.52	2%
P-Phosphorous Old	361.19	-6.52	-2%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	691.19	-129.98	-19%
S-Sulfur Old	821.17	129.98	16%
Cl-Chloride New	1829.61	-1713.6	-94%
Cl-Chloride Old	3543.21	1713.6	48%
Si-Silicon New	18.16	-4.15	-23%
Si-Silicon Old	22.31	4.15	19%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	0.89	-0.71	-80%
I-Iodine Old	1.60	0.71	44%
B-Boron New	5.96	5.15	86%
B-Boron Old	0.81	-5.15	-636%
Mo-Molybdenum New	0.65	-0.22	-34%
Mo-Molybdenum Old	0.87	0.22	25%
Al-Aluminum New	4.16	-0.73	-18%
Al-Aluminum Old	4.89	0.73	15%

NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

K New/Old | Mg New/Old | Ca New/Old | Na New/Old

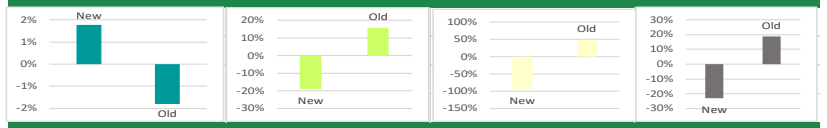


Fe New/Old | Mn New/Old | Zn New/Old | Cu New/Old

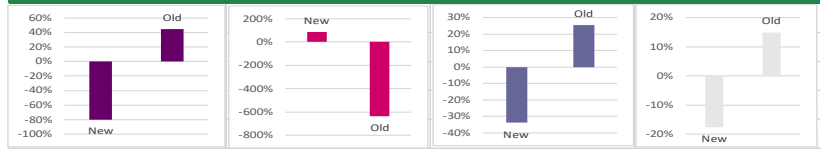


NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)

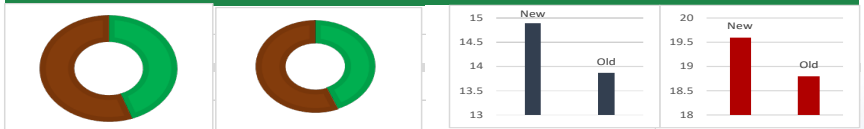
P New/Old | S New/Old | Cl New/Old | Si New/Old



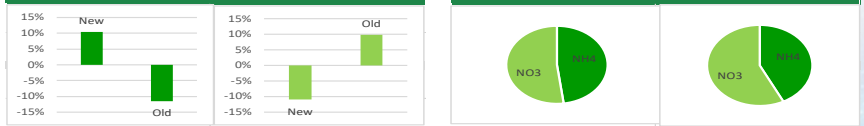
I New/Old | B New/Old | Mo New/Old | Al New/Old



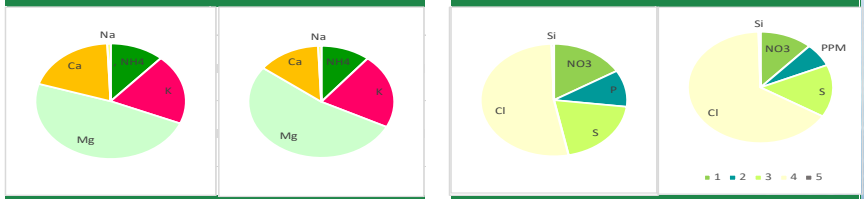
PH NEW | PH OLD | CONDUCTIVITY | BRIX



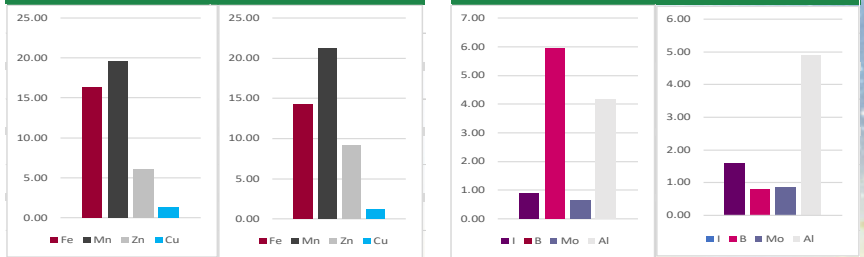
NH4 NEW/ NH4 OLD | NO3 NEW//NO3 OLD | NH4/NO3 NEW | NH4/NO3 OLD



% CATIONS NEW | % CATIONS OLD | % ANIONS NEW | % ANIONS OLD

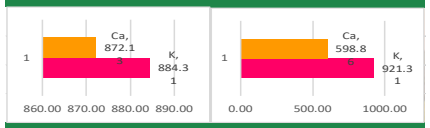


MICRO CATION NEW | MICRO CATION OLD | MICRO ANION NEW | MICRO ANION OLD

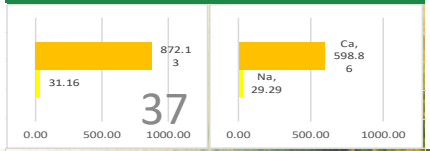


CALCIUM RATIOS

Ca/K New | Ca/K Old

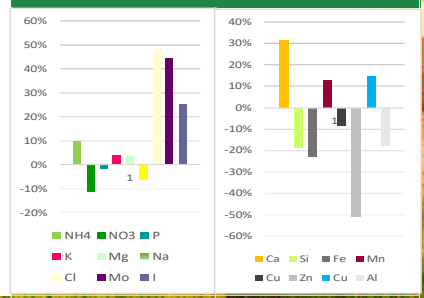


Ca/Na New | Ca/Na Old



LIMITING INDICATORS

MOBILE INDICATORS | IMMOBILE INDICATORS



Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/9/2018
FIELD ID	Home
BLOCK	Front

SAMPLE #	5614-15
CROP	Plum
CULTIVAR	Shiro
GROWTH STAGE	Post Harvest (Pre FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Shothole
GENERAL NOTES	Low: pH, Ca, B, Mg. High: Cl, Al

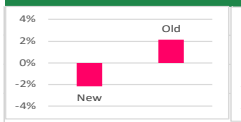
Soil Treatment		Foliar Treatment	
3 Gallon	Fertilgold Ca	128 oz	Fertilgold Ca
64 oz	Fertilgold XT	64 oz	Fertilgold Micros
32 oz	Fertilgold Micros	64 oz	Fertilgold N 5.5
1 gallon	Fertilgold N 5.5		

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	4.90	0	0%
pH Old	4.90	0	0%
Digital Brix New	26.60	-1	-4%
Digital Brix Old	27.60	1	4%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	419.50	-3.5	-1%
NH4-Ammonium Old	423.00	3.5	1%
K-Potassium New	904.73	-19.49	-2%
K-Potassium Old	924.22	19.49	2%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	1598.56	210.31	13%
Mg-Magnesium Old	1388.25	-210.31	-15%
Ca-Calcium New	118.31	19.3	16%
Ca-Calcium Old	99.01	-19.3	-19%
Na-Sodium New	64.02	10.78	17%
Na-Sodium Old	53.24	-10.78	-20%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	30.57	2.34	8%
Fe-Iron Old	28.23	-2.34	-8%
Mn-Manganese New	10	0.79	8%
Mn-Manganese Old	8.87	-0.79	-9%
Zn-Zinc New	10.13	1.42	14%
Zn-Zinc Old	8.71	-1.42	-16%
Cu-Copper New	3	0.54	21%
Cu-Copper Old	2.02	-0.54	-27%

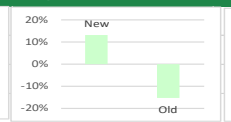
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	14.88	-5.92	-40%
EC Old (mS/cm)	20.80	5.92	28%
Qualitative Brix New	27.20	-1.6	-6%
Qualitative Brix Old	28.80	1.6	6%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	101.50	10	10%
NO3-Nitrate Old	91.50	-10	-11%
P-Phosphorous New	406.99	-60.28	-15%
P-Phosphorous Old	467.27	60.28	13%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	1182.41	99.26	8%
S-Sulfur Old	1083.15	-99.26	-9%
Cl-Chloride New	51.00	-354.5	-695%
Cl-Chloride Old	405.50	354.5	87%
Si-Silicon New	15.49	-1.8	-12%
Si-Silicon Old	17.29	1.8	10%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	0.90	0.2	22%
I-Iodine Old	0.70	-0.2	-29%
B-Boron New	1	0.19	20%
B-Boron Old	0.77	-0.19	-25%
Mo-Molybdenum New	0.54	0.06	11%
Mo-Molybdenum Old	0.48	-0.06	-13%
Al-Aluminum New	13.64	0.44	3%
Al-Aluminum Old	13.20	-0.44	-3%

NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

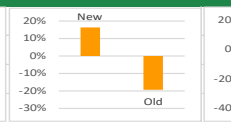
K New/Old



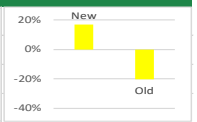
Mg New/Old



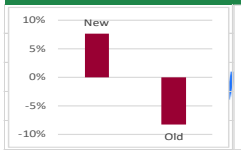
Ca New/Old



Na New/Old



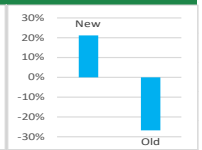
Fe New/Old



Mn New/Old

Zn New/Old

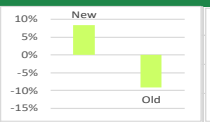
Cu New/Old



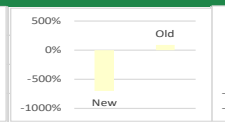
NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

P New/Old

S New/Old

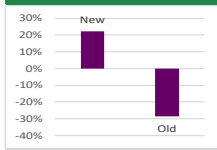


Cl New/Old

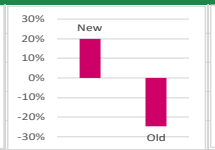


Si New/Old

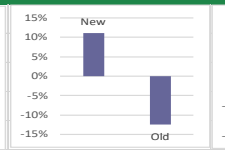
I New/Old



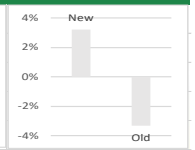
B New/Old



Mo New/Old



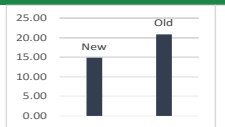
Al New/Old



PH NEW

PH OLD

CONDUCTIVITY

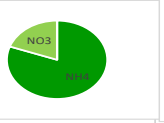


BRIX

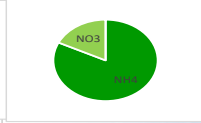
NH4 NEW/ NH4 OLD

NO3 NEW//NO3 OLD

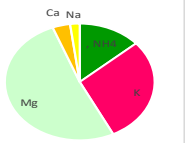
NH4/NO3 NEW



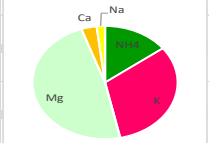
NH4/NO3 OLD



% CATIONS NEW

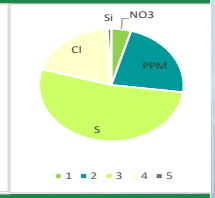


% CATIONS OLD

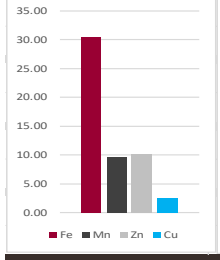


% ANIONS NEW

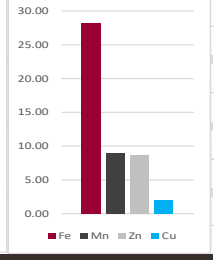
% ANIONS OLD



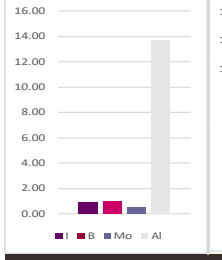
MICRO CATION NEW



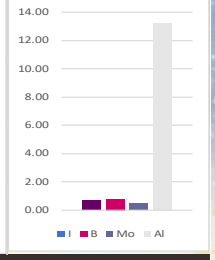
MICRO CATION OLD



MICRO ANION NEW

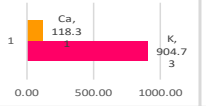


MICRO ANION OLD

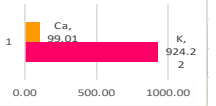


CALCIUM RATIOS

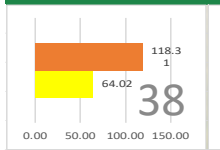
Ca/K New



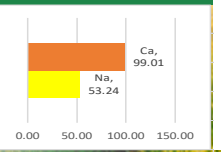
Ca/K Old



Ca/Na New

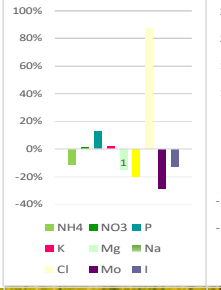


Ca/Na Old

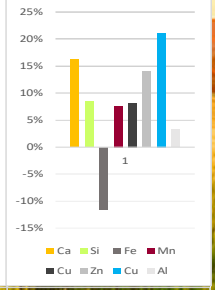


LIMITING INDICATORS

MOBILE INDICATORS



IMMOBILE INDICATORS



Leaf Extract Analysis ™

NAME	Apical Crop Science
SAMPLE DATE	9/29/2018
FIELD ID	Home
BLOCK	Front

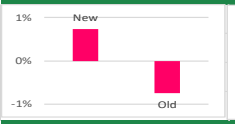
SAMPLE #	5712-13
CROP	Plum
CULTIVAR	Shiro
GROWTH STAGE	Post Harvest (Post FG Treatment)
HEALTH OF CROP	
PEST/DISEASE NOTES	Shothole
GENERAL NOTES	Low: pH, Ca, B, Mg. High: Cl, Al

ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
pH New	5.2	0.1	2%
pH Old	5.1	-0.1	-2%
Digital Brix New	12.6	2.4	19%
Digital Brix Old	10.2	-2.4	-24%
MAJOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NH4-Ammonium New	416.61	-31.11	-7%
NH4-Ammonium Old	447.72	31.11	7%
K-Potassium New	931.17	3.45	0%
K-Potassium Old	927.72	-3.45	0%
	PPM	**GRADIENT (PPM)**	**% DIFFERENCE**
Mg-Magnesium New	1687.21	89.49	5%
Mg-Magnesium Old	1597.72	-89.49	-6%
Ca-Calcium New	1879.21	-251.96	-13%
Ca-Calcium Old	2131.17	251.96	12%
Na-Sodium New	66.21	5.02	8%
Na-Sodium Old	61.19	-5.02	-8%
MINOR CATIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
Fe-Iron New	48.82	16.53	34%
Fe-Iron Old	32.29	-16.53	-51%
Mn-Manganese New	12.26	-8.95	-73%
Mn-Manganese Old	21.21	8.95	42%
Zn-Zinc New	12.11	2.97	25%
Zn-Zinc Old	9.14	-2.97	-32%
Cu-Copper New	2.28	0.07	3%
Cu-Copper Old	2.21	-0.07	-3%

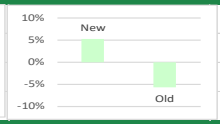
ANALYTE	%	GRADIENT (PPM)	% DIFFERENCE
PRIMARY INDICATORS			
EC New (mS/cm)	14.21	-2.03	-14%
EC Old (mS/cm)	16.24	2.03	13%
Qualitative Brix New	12.4	2	16%
Qualitative Brix Old	10.4	-2	-19%
MAJOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
NO3-Nitrate New	821.19	3.48	0%
NO3-Nitrate Old	817.71	-3.48	0%
P-Phosphorous New	492.26	30.13	6%
P-Phosphorous Old	462.13	-30.13	-7%
SECONDARY ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
S-Sulfur New	1321.15	188.59	14%
S-Sulfur Old	1132.56	-188.59	-17%
Cl-Chloride New	71.91	-199.3	-277%
Cl-Chloride Old	271.21	199.3	73%
Si-Silicon New	19.89	-1.23	-6%
Si-Silicon Old	21.12	1.23	6%
MINOR ANIONS	**PPM**	**GRADIENT (PPM)**	**% DIFFERENCE**
I-Iodine New	1.11	0.18	16%
I-Iodine Old	0.93	-0.18	-19%
B-Boron New	4.65	-5.24	-113%
B-Boron Old	9.89	5.24	53%
Mo-Molybdenum New	0.87	0.06	7%
Mo-Molybdenum Old	0.81	-0.06	-7%
Al-Aluminum New	10.74	-2.46	-23%
Al-Aluminum Old	13.2	2.46	19%

NEW LEAF / OLD LEAF RATIOS (% DIFFERENCE)

K New/Old

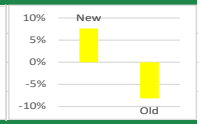


Mg New/Old



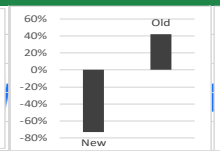
Ca New/Old

Na New/Old



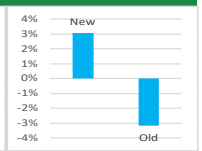
Fe New/Old

Mn New/Old



Zn New/Old

Cu New/Old

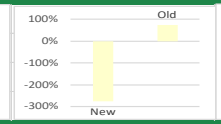


NEW LEAF / OLD LEAF RATIOS (%DIFFERENCE)

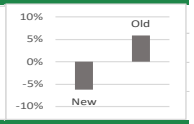
P New/Old

S New/Old

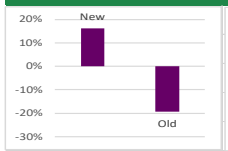
Cl New/Old



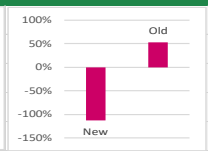
Si New/Old



I New/Old



B New/Old



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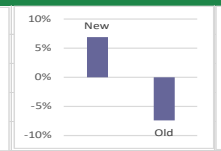

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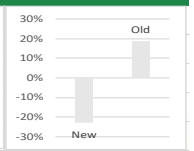
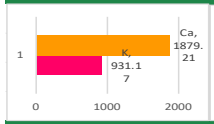


CALCIUM RATIOS

Ca/K New



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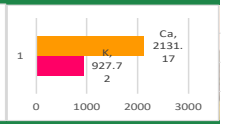

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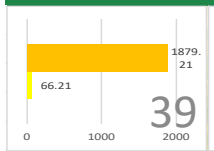

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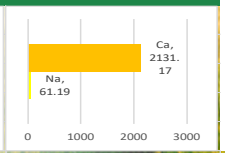
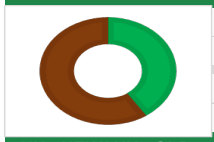
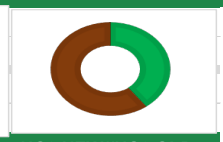


PH NEW



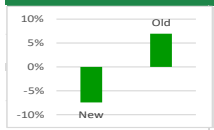
PH OLD



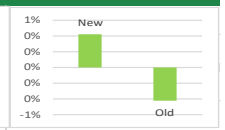
CONDUCTIVITY

BRIX

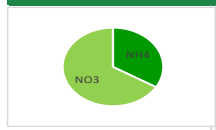
NH4 NEW/ NH4 OLD



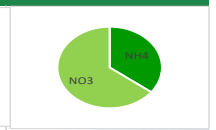
NO3 NEW//NO3 OLD



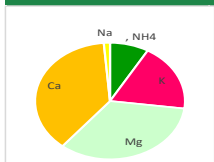
NH4/NO3 NEW



NH4/NO3 OLD



% CATIONS NEW



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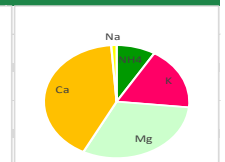
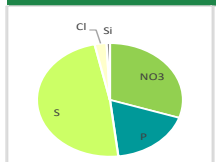


% ANIONS NEW



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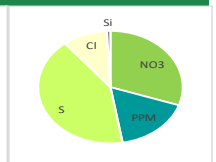
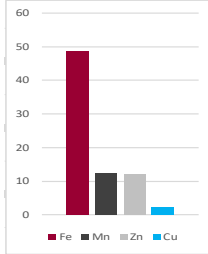


MICRO CATION NEW



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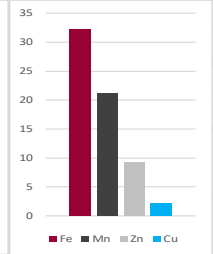

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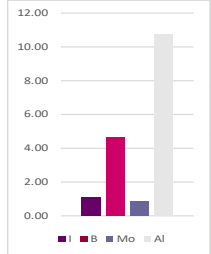

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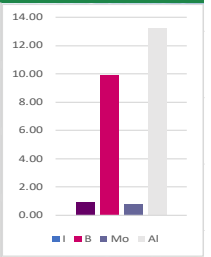
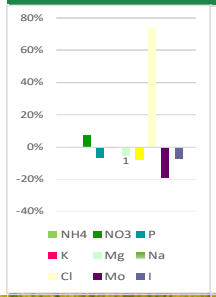
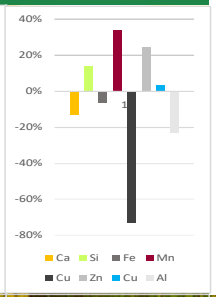


LIMITING INDICATORS

MOBILE INDICATORS



IMMOBILE INDICATORS



THANK YOU!