



CHANGING THE GAME TROPICAL FRUITS



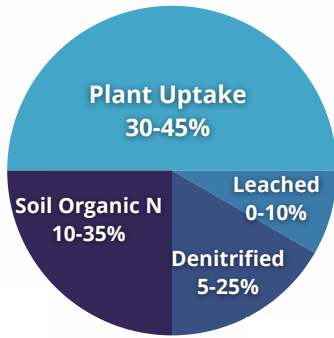
We help growers maximize the potential of crops, sustainably...



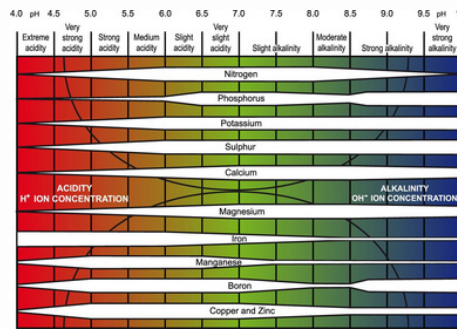
PLANT NUTRITION BASICS

WHY SMART RELEASE LIQUID FERTILIZERS?

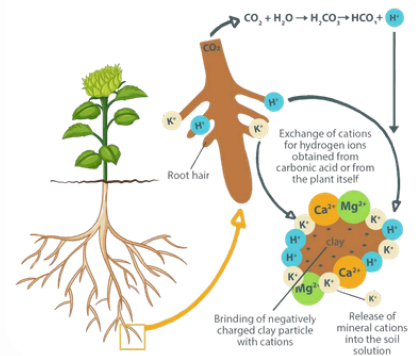
What happens to Granular Nitrogen?



Nutrient Availability VS pH Levels



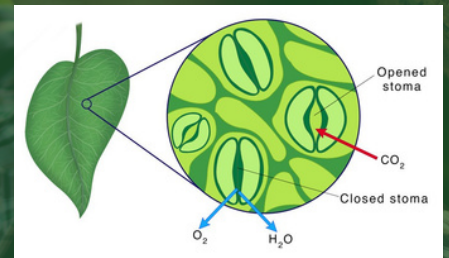
CATION EXCHANGE CAPACITY (CEC)



Plant Health Nutrition: Stomata Absorption Mechanism

The stomata are tiny pores found on the surface of plant leaves and stems that play a crucial role in gas exchange and water regulation. They are essential for plant health, as they allow carbon dioxide (CO₂) to enter for photosynthesis and enable the release of oxygen (O₂) and water vapor through a process called transpiration.

By utilizing Smart Release Foliar Fertilizers, plants get a rapid nutrient boost directly through the stomata (usually open during the cooler parts of the day (before 7AM & after 3PM where temperatures around @ 25°C), ensuring better nutrient absorption and promoting overall plant health without the dependency on soil conditions. This method is especially effective during critical growth stages, ensuring plants thrive and develop optimally.

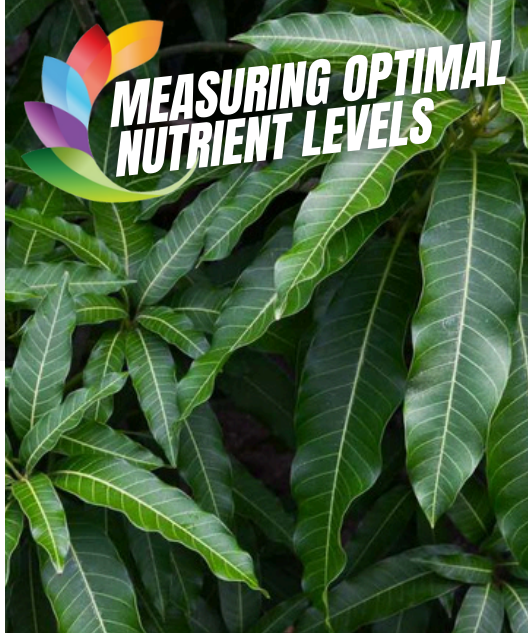


NPK + TRACE ELEMENTS FUNCTIONAL VALUE

UNDERSTANDING NPK + TE

NUTRIENT	FUNCTIONAL VALUE	NUTRIENT	FUNCTIONAL VALUE
NITROGEN (1-6%)*	Nitrogen essential for leaf development and photosynthesis	COPPER (2-50ppm)*	Copper aids in pollen formation crucial for effective pollination and fruit setting
PHOSPHORUS (0.05-1%)*	Phosphorus promotes root growth, flowering and fruit setting	MANGANESE (5-500ppm)*	Manganese aids in pollen germination and growth of pollen tubes for successful fruit setting
POTASSIUM (0.3-6%)*	Potassium serves as activator for biomass production, biosynthesis of sugars and starches for bigger and better fruits, flower induction, fruit setting, fruit development, size enlargement and better quality	BORON (2-75ppm)*	Boron for growth and translocation of sugar, calcium, water, potassium & sulfur
IRON (10-1000ppm)*	Iron converts nutrients into energy, supporting the tree's vitality and productivity	ZINC (5-100ppm)*	Zinc for rapid crop response against stress, while promoting reproductive development, flowering, fruit setting and fruit quality

*Approximate Concentration in Plants Plant Analysis - A Diagnostic Tool, University of Wisconsin, Bulletin A2289 Table 27, p.120, Agronomy Handbook 2014 Edition, Don Ankerman, B.S. & Richard Large, Ph.D.



“Sa **Completo+**, ang gaganda at kalalaki ng bunga sa mga puno ng mangga na na-spray-han namin kaya kasama na talaga sa protocol ko ang GameChanger Agriculture products. Kasalukuyang sinusubukan ko ang ibang produkto ng GameChanger Agriculture Corporation kagaya ng **Seedling Booster** para sa recovery at rehabilitation pagkatapos ng bagyo.

Ngayong December ay makapag-induce na uli doon sa mga nabagyo ng **SuperBLOOM** na susundan ng **Seedling Booster** para lumusot ang bunga, **Completo+** para malusog na bunga, at **SugarBlaster** para sa mas malaki na bunga at tonnage! Sana pareho kagaling ang resulta kagaya ng **Completo+** na i-share ko sa mga kasamahang manggero...”



Carding “Mango King” Tolentino
Ilocos Region, Philippines



Plant Tissue Nutrient Sufficiency Guide Ranges* Per KG Leaves

	Percentage (%)						Parts Per Million (ppm)				
	N	S	P	K	Mg	Ca	B	Zn	Mn	Fe	Cu
Avocado	1.60 - 2.20	0.20 - 0.60	0.10 - 0.25	1.00 - 2.00	0.30 - 0.80	1.00 - 3.00	50 - 100	30 - 50	30 - 80	50 - 150	5 - 15
Banana	2.0 - 3.5	0.1 - 0.3	0.2 - 0.5	2.5 - 4.5	0.2 - 0.5	0.5 - 2.0	20 - 100	20 - 50	40 - 300	50 - 200	5 - 20
Cacao	2.5 - 4.0	0.15 - 0.5	0.15 - 0.6	1.5 - 3.0	0.2 - 0.6	0.3 - 1.0	20-60	15 - 60	20 - 400	50 - 300	4 - 20
Citrus	2.40 - 3.00	0.20 - 0.40	0.25 - 0.30	1.00 - 2.00	0.25 - 0.70	3.50 - 5.50	30 - 60	25 - 70	30 - 100	60 - 150	10 - 20
Coffee	2.0 - 3.5	0.1 - 0.4	0.1 - 0.5	1.0 - 2.5	0.2 - 0.6	0.3 - 1.0	20 - 100	15 - 60	20 - 400	50 - 300	4 - 20
Dragonfruit	2.5 - 3.5	0.15 - 0.5	0.2 - 0.5	1.5 - 3.5	0.3 - 0.8	0.5 - 2.0	20 - 50	20 - 50	40 - 200	50 - 200	5 - 20
Grapes	1.5 - 2.5	0.1 - 0.4	0.1 - 0.4	1.0 - 2.5	0.2 - 0.5	0.5 - 3.0	20 - 100	15 - 60	20 - 400	50 - 300	4 - 20
Jackfruit	2.0 - 3.5	0.1 - 0.4	0.1 - 0.5	1.0 - 2.5	0.2 - 0.6	0.5 - 3.0	20-60	15 - 60	20 - 400	50 - 300	4 - 20
Lanzones	2.0 - 3.5	0.1 - 0.4	0.1 - 0.5	1.0 - 2.5	0.2 - 0.6	0.5 - 3.0	20-60	15 - 60	20 - 400	50 - 300	4 - 20
Mango	1.00 - 2.00	0.15 - 0.35	0.10 - 0.35	0.80 - 1.50	0.15 - 0.50	1.50 - 5.00	25 - 50	20 - 50	50 - 100	50 - 200	8 - 20
Papaya	2.0 - 3.5	0.1 - 0.4	0.1 - 0.5	1.0 - 3.0	0.2 - 0.5	0.5 - 3.0	20-60	15 - 60	20 - 400	50 - 300	4 - 20
Pineapple	2.5 - 3.5	0.15 - 0.5	0.2 - 0.5	1.5 - 3.5	0.3 - 0.8	0.5 - 2.0	20 -50	20 - 50	40 - 200	50 - 200	5 - 20
Strawberry	2.0 - 4.0	0.1 - 0.4	0.2 - 0.5	1.0 - 3.0	0.2 - 0.5	0.5 - 3.0	20 - 100	15 - 60	20 - 400	50 - 300	4 - 20

Source: Plant Analysis - A Diagnostic Tool, University of Wisconsin, Bulletin A2289, Agronomy Handbook, 2014 Edition, Don Ankerman, B.S. & Richard Large, Ph.D.



"We have seen the significant impact of GameChanger's PrecisionFarming protocols using smart-release foliar fertilizers **Nitroboost** and **Completo+** in our citrus trees translating to higher tonnage and quality of fruits in the 2023 season..."

We are now implementing the rehabilitation of our other fruit trees like the dragonfruit fields and our Longkong Lanzones orchard using GameChanger's VRF (Variable Fertilization Rates) enabled by the use of PrecisionAgriculture tools such as the SPAD Meter measuring the impact of smart-release foliar fertilizers **Nitroboost** and **Completo+** on nutrient levels in leaf tissues correlating to yield volume, quality and cost-efficiency.

We are looking forward to more of GameChanger Agriculture Corporation's new products, technologies and services in order to push the potential and productivity of our farm."

Ric Espiritu
Espiritu Farm Estate
Sta. Maria, Laguna & Tanay, Rizal



"I like the sustained effect of **Seedling Booster**, **Completo+** and **Nitroboost** on my yield and fruit quality, even on off-season harvests!"

CJ Pal
General Manager
Suzanne Belvedere Integrated Farm, Davao City



SODACO Farm
Davao Del Sur, Philippines

"Sa **Completo+** pa lng na 200ml/drum ang ganda ng quality at size ng bunga at tumitimbang ng 500 grams to 700 grams kada bunga. Sa GameChanger protocols nadagdagan kita ko sa isang area ko ng Php120,000!!!"

Rickson Olimp
Vice - President
Mindanao Integrated Mango Stakeholder Association (MIMSA), Mindanao, Philippines



SuperBLOOM VS Calcium Nitrate

"Panalo ang SuperBLOOM @2L/tree VS Calcium Nitrate @5KG/tree para sa mas malusog, matibay at matingkad na bulaklak na me follow-up spray ng **Completo+**...kahit binagyo, me natira pang 50% na bulaklak ang mga puno na-isprayhan ng **SuperBLOOM** samantalang yun Calcium Nitrate halos walang natira...kasalukuyang sinusubukan ko ang ibang produkto ng GameChanger Agriculture Corporation kagaya ng **Seedling Booster** para sa recovery/rehabilitation pagkatapos ng bagyo...ngayong December ay makapag induce na uli doon sa mga nabagyo ng **SuperBLOOM** na susundan ng **SeedlingBooster** para lumusot ang bunga, **Completo+** para malusog na bunga at **SugarBlaster** para sa mas malaki na bunga at tonnage!!!"

Mario Garcia
Garcia King's Mango Farm
San Carlos City, Pangasinan



"Sa **Completo+** @200ml/drum, mas malaki ang bunga at mas maganda quality ng harvest ko sa mga mangga na-isprayhan...kasama na ang **Completo+** sa protocol ko sa parating na 2025-26 season...kasalukuyang sinusubukan ko ang ibang produkto ng GameChanger Agriculture Corporation kagaya ng **Seedling Booster** para sa recovery/rehabilitation pagkatapos ng bagyo at yung bagong potassium-based na flower inducer na SuperBLOOM pati na ang **SugarBlaster** para sa mas mataas na tonnage...sana pareho kagaling ang resulta kagaya ng **Completo+** na i-share ko sa mga kasamahang manggero..."

Danilo Torio
Pangasinan-Central Luzon Mango Grower & Contractor



NITROBOOST®

"The Growth & Yield Booster"

NPK
30.75 - 0 - 0

Chelated
Micronutrients

Zinc (3,070 mg/L)
Boron (3,070 mg/L)



SMART RELEASE
Nitrogen Series

- 21 to 30 Days Smart-Release NITROGEN
- NanoTech: efficient absorption & translocation
- Superior growth & yield performance

Nitrogen increases leaf size, number and canopy density

Boron for growth and translocation of sugar, calcium, water, potassium & sulfur

Zinc for rapid crop response against stress, while promoting reproductive development, flowering, fruit setting and fruit quality

Methanal component serves as sticker during foliar spray

Technical grade, no chlorides, no burn

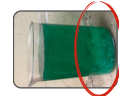
Low salt index, no phytotoxicity

NITROBOOST®

Other Brands



Homogenous Neon Liquid



Coagulated Precipitates

SEEDLING BOOSTER®

"For Crop Development, Vigour & Recovery"

NPK
2 - 4 - 6.7

Chelated
Micronutrients

Zinc (2,000ppm)
Boron (500ppm)



Benefits	Flowers	Buds	Fruits
DEVELOPMENT	✓	✓	✓
VIGOUR	✓	✓	✓
RECOVERY	Heat Stress		
	Water Stress		
	Pest Infestation Stress		

Getting the Right Balance!!!

SUGARS	FULVIC ACID	LEUCINE	METHIONINE	KELP
CARBOHYDRATES	HUMIC ACID	CELLULOSE	TYROSINE	
RIBOFLAVIN (VITAMIN B2)	PYRIDOXINE (VITAMIN B6)	ALANINE	VALINE	
PHENYLALANINE	SERINE	ASPARTIC ACID	ASH	
CYSTEINE	PROLINE	THREONINE	HISTIDINE	ZINC
GLUTAMIC ACID	ISOLEUCINE	GLYCINE	TRYPTOPHAN	
NITROGEN	PHOSPHORUS	POTASSIUM	BORON	

COMPLETEO+®

"Enhancing Crop Quality, Volume Plus BRIX"

NPK
19 - 9 - 19

Chelated Trace Elements

Iron (1,300mg/L)
Zinc (630mg/L)
Boron (630mg/L)
Copper (630mg/L)
Manganese (700mg/L)



SMART RELEASE
Nitrogen Series

- 14 Days Smart-Release Fertilizer
- 4x to 30x plant absorption efficiency
- Enhances crop quality & performance

Nitrogen essential for leaf development and photosynthesis

Phosphorous promotes root growth, flowering and fruit setting

Potassium serves as activator for biomass production, biosynthesis of sugars and starches for bigger and better fruits

Boron for growth and translocation of sugar, calcium, water, potassium & sulfur

Copper aids in pollen formation crucial for effective pollination and fruit setting

Iron converts nutrients into energy, supporting the tree's vitality and productivity

Manganese aids in pollen germination and growth of pollen tubes for successful fruit setting

Zinc for rapid crop response against stress, while promoting reproductive development, flowering, fruit setting and fruit quality

SUGARBLASTER®

"BIGGER & SWEETER!"

NPK
0 - 0 - 43.2

with
Sulfur (as ThioSulfate) **9.7**

SMART RELEASE
Nitrogen Series



- Potassium ThioSulfate (KTS) is highly available, chloride-free form enhancing fruit size, BRX content, yield volume and quality
- KTS improves fruit firmness, color, uniformity, shelf-life and flavor (sweetness)
- KTS drives higher tonnage and more marketable produce

GemeChanger
SUPERBLOOM®

"Powering Flowers!"

NPK
1.9 - 0 - 10.8

+
Boron **0.5**

SMART RELEASE
Nitrogen Series



SUPERBLOOM Potassium

- Enhances photosynthate(sugar) transport from leaves to buds ensuring enough energy for flower induction
- Promotes flower initiation by converting carbohydrates in shoots and buds favoring floral bud differentiation
- Improves flowering intensity and panicle quality by aiding in ATP and enzyme activation needed for flower bud differentiation and panicle emergence
- Promotes reproductive hormonal balance by increasing ABA and reducing GA (Gibberellic Acid) which favors flower induction
- Increases Carbon to Nitrogen (C:N) ratio (higher Carbon, lower Nitrogen)—a condition that favors flowering



















SUPERBLOOM Low-level Nitrogen

- Favors floriferous signals (flower promoting hormones like florigen and abscisic acid)
- Sustains flowering and early fruit growth without reverting to vegetative phase

SUPERBLOOM Boron

- Helps move sugars from leaves to developing buds—high sugar availability encourages flower initiation
- Ensures bud viability by supporting meristem tissue integrity, allowing latent buds to develop into flowers
- Improves pollen tube growth, fertilization and fruit retention powering flowers to translate into fruits

MANGO GAMECHANGER Liquid Feeding Program

Flushing 180/150 DBFI	Conditioning 120/90/60 DBFI	Flower Induction (0 DAFI)	Bud Emergence & Elongation (10-14 DAFI)	Pre-bloom (Pabaon 20-26 DAFI)	Fruit Setting (33-37 DAFI)	Fruit Setting (38-43 DAFI)	Fruit Dev't (44-49 DAFI)	Fruit Dev't (56-60 DAFI)
								
		Contact Insecticide + Fungicide (if wet season) +	Systemic with contact insecticide + Contact fungicide +	Systemic insecticide + Protectant foliar-applied fungicide +	Systemic insecticide + Fungicide +	Systemic + contact insecticide + Fungicide +	Contact insecticide + Fungicide +	Insecticide + Protectant foliar-applied fungicide +
NITROBOOST 500ml / 200L water + SEEDLING BOOSTER 200ml / 200L water	COMPLETO+ 200ml / 200L water + SEEDLING BOOSTER 200ml / 200L water	SUPERBLOOM 500ml / 200L water x4 drums per tree or 2L per tree + SEEDLING BOOSTER 200ml / 200L water	COMPLETO+ 200ml / 200L water	SEEDLING BOOSTER 200ml / 200L water	COMPLETO+ 200ml / 200L water	COMPLETO+ 200ml / 200L water	COMPLETO+ 200ml / 200L water	SUGARBLASTER 200ml / 200L water
								

Apply **SEEDLING BOOSTER** as needed in any stage of the crop to recover from heat, water or pest related stress conditions

**DBFI - Days Before Flower Induction
**DAFI - Days After Flower Induction

**Spray Volume:

>Century Old Trees = 4 x 200L Drum
>Large Canopy Grafted Trees = 3 x 200L Drum

>Medium Canopy Grafted Trees = 2 x 200L Drum
>Small Canopy Grafted Trees = 1 x 200L Drum

BIG TIME HARVEST, BIG TIME FARMER



"Ang gaganda at kalalaki ng bunga sa mga puno ng mangga na-isprayhan namin ng Completo+ kaya kasama na talaga sa protocol ko ang GameChanger products...kasalukuyang sinusubukan ko ang ibang produkto ng GameChanger Agriculture Corporation kagaya ng Seedling Booster para sa recovery/rehabilitation pagkatapos ng bagyo...ngayong December ay makapag induce na uli doon sa mga nabagyo ng SuperBLOOM na susundan ng Seedling Booster para lumusot ang bunga. Completo+ para malusog na bunga at SugarBlaster para sa mas malaki na bunga at tonnage!!!"



Carding "The Mango King" Tolentino
Ilocos Region, Philippines



GameChanger Agriculture Corporation
820 Romualdez St., Metro Manila
National Capital Region, Philippines
admin@gamechanger-agriculture.com

SPRAY-GRO SIMON
LIQUID FERTILIZERS
AUSTRALIA A G R I
www.gamechanger-agriculture.com