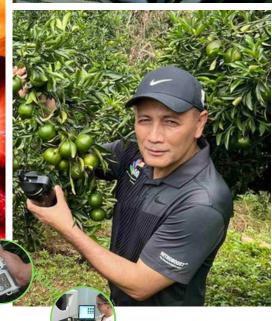


CHANGING THE GAME TROPICAL FRUITS







LIQUID FERTILIZERS

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ROBOOST

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

PROGRESSIVE VS TRADITIONAL

Precision Farming

- How much % of Nitrogen is in my plants per KG of leaf tissue samples?
- From my leaf samplings, xx% increase in %N/KG leaf samples from planting to growing and reproductive stages correlates to an increase in tonnage between xx% to xx%
- Which fields or stages will require more steady, sustained supplementation?

Conventional Farming

- I put xxxKG Nitrogen per hectare in 3-5 split application timings
- For the last 3 seasons, xxxKG of NPK equates to more or less XXX tons per hectare
- Fertilization application rate will be uniform across fields for a more stable yield
- We have been following this protocol for decades why change?

What happens to applied granular NITROGEN?

30-45% Plant Uptake





0-10% Leached

NPK + TRACE ELEMENTS FUNCTIONAL VALUE

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%)*	Phosphorous 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	BORON (2-75ppm)*	Boron for growth and translocation of sugar, calcium, water, potassium & sulfur
IRON (10-1000ppm)*	lron 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.

GAMECHANGER PACKAGE of TECHNOLOGY





THE SPAD METER

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

	Plant Tissue Nutrient Sufficiency Guide Ranges* Per KG Leaves										
00	Percentage (%)						Parts Per Million (ppm)				
	N	S	Р	К	Mg	Са	В	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
Рарауа	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

*SPAD Meter: designed to help users improve crop quality and increase yield by providing an indication of the amount of chlorophyll which can be translated to the % N per KG of leaf sample * *refer to GameChanger conversion App

NITROBOOST[®] "The Growth & Yield Booster"

- 21 to 30 Days Smart-Release NITROGEN
- NanoTech: 4x to 30x plant absorption efficiency
- Superior growth & yield performance

NanoTech: efficient absorption & translocation

Methanal component serves as sticker during foliar spray

Smart Release Nitrogen- long chain methylene urea, high Nitrogen level

Low salt index, no burn

Superior growth & yield performance



COMPLETO+[®]

"Enhancing Crop Quality, Volume Plus BRIX"

- 4x to 30x plant absorption efficiency
- Enhances crop quality & performance

Ν	Nitrogen essential for leaf development and photosynthesis
Ρ	Phosphorous promotes root growth, flowering and fruit setting
K	Potassium serves as activator for biomass production, biosynthesis of sugars and starches for bigger and better fruits
B	Boron for growth and translocation of sugar, calcium, water, potassium & sulfur
Cu	Copper aids in pollen formation crucial for effective pollination and fruit setting
Fe	lron converts nutrients into energy , supporting the tree's vitality and productivity
Mn	Manganese aids in pollen germination and growth of pollen tubes for successful fruit setting
Zn	Zinc for rapid crop response against stress, while promoting reproductive development, flowering, fruit setting and fruit quality at harvest









	B			ETO+ ta	60DAP, 90DAP, 120DAP, 150DAP, 180DAP, 210DAP, 240DAP, 270DAP, 300DAP, 330DAP, 360DAP, 12DAFI, 50DAFI, 80DAFI, 110DAFI			55DAT	COMPLETO+ 300ml/16L H20	
	Jun Jul	() () ()		COMPLETO+ 3-5L/HA	60DAP, 90DAP, 120DAP, 150DAP, 180DAP, 10DAP, 240DAP, 270DAP, 300DAP, 330DAF 360DAP, 12DAFI, 50DAFI, 80DAFI, 110DAFI			42-45DAT	COMPLETO+ 300ml/16L H20	
SUT TIUS	Mar Apr							25-28DAT		A SHARE
DRAGON FRUIT	1.11			NITROBOOST 3-5L/HA	45DAP, 75DAP, 105DAP, 135DAP, 165DAP, 195DAP, 225DAP, 255DAP, 285DAP, 315DAP, 345DAP, 12DAFI		N	14DAT	NITROBOOST 300ml/16L H20	AND INC.
DRAG	NITROBOOST	(5L/HA) COMPLETO+ (5L/HA)	PINE		45DAP, 75DAF 195DAP, 225DA 3		MELON	10DAT	COMPLETO+ 300ml/16L H20	-
	FRUIT ENLARGEMENT 61-90DAFI	COMPLETO+ 320ml/200L H20		Maturity ears old	LETO+ drum for 10-15 trees v/month	X	- P	Oct Nov Dec	0 0 0	
SE	3rd HUGAS 55-58DAFI	COMPLETO+ COMPLETO+ COMPLETO+ 160ml/200L H20 320ml/200L H20 320ml/200L H20		Fruiting-Maturity 11-30 years old	COMPLETO+ 5L/HA or 500m/200L drum for 10-15 tree: applied 2x/month			Jul Aug Sep	SSS	
	2nd HUGAS (1- 2days before Wrapping) 45-48DAFI	+ COMPLETO+ :0 320ml/200L H20 H20 3-5 months br		Developmental 1-10 years old	NITROBOOST 5L/HA/mo or 500ml/200L drum for 20 trees			Apr May Jun	0 0 0	
	M 1st HUGAS AFI 35-38DAFI			Devel	NITR 5L/HA/mo or 50			Jan Feb Mar	SSS	
IANGO	BUD ELONGATION 24-28 DAFI 12-15DAFI	COMPLETO+ 160ml/200L H20 NITROBOOST	CITRUS	Nursery <12 months	COMPLETO+ 3-5L/HA per HA		BANANA		± ±	

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NITROBOOST®

"The Growth & Yield Booster"

Сгор	Foliar Rate (Liters/Ha)	Recommendations
Vegetables	3-6	Apply every 21-30 days from mid-crop
Brassicas	3-10	Apply at early head development Repeat every 21-30 days
Onions	2-10	 Apply from when sufficient leaf exists to intercept spray Apply at bulb development at intervals of 21-30 days
Sugarcane	2-10	 Apply at 60 DAP, 80 DAP and 100 DAP (Days After Planting) Option to apply at intervals of 21-30 days as needed from 120 DAP to 200 DAP via drone to further push yield volume Alternating application with COMPLETO+ as needed especially with ratoon crop
Corn	3-10	 As Urea Booster (in addition to granular side dress) spray 3-5 liters per hectare at 25-30 DAT (Days After Transplant) to maximize yield As Side Dress Urea Replacement, spray 10 liters per hectare at 25-30 DAT Follow-up spray at 50 DAT with COMPLETO+ at the rate of 3-5 liters per hectare to maximize yield increase
Rice	3-10	 As Urea Booster (in addition to granular side dress) apply 3-5 liters per hectare at 25-35 DAT (Days After Transplant) to maximize yield As Side Dress Urea Replacement, spray 10 liters per hectare at 35 DAT Follow-up spray at 50 DAT with COMPLETO+ at the rate of 3-5 liters per hectare to maximize yield increase
Fruit Trees	3-10	 Apply 2-5 months before flower induction Apply in seedling and young trees for vigor Do not apply at flowering stage or post flowering stage
Banana	2-10	 Repeat every 21-30 days until 4 weeks before harvest Triple the rate per hectare when applied via fertigation
Pineapple	2-10	Apply every 21-30 days from fruit set up to 4 weeks before harvest Triple the rate per hectare when applied via fertigation
Turf (GRASS)	10-50	 Apply at 1:20 water dilution at 4-6 weeks interval for optimum turf (grass) growth Can be applied as foliar spray at 1:10 dilution rate or drench at 1:20 dilution rate SRN can release over 20 -30 days on leaf surface and up to 8-10 weeks in the soil
Cutflowers	2-10	 Do not apply as foliar spray when plants are already in bloom To apply as foliar, use lower rate (5 liters) at 1:100 dilution; as drench or via fertigation use higher rate (10 liters) at 1:100 dilution

COMPLETO+[®]

"Enhancing Crop Quality, Volume Plus BRIX"

Crop	Foliar Rate (Liters/Ha)	Recommendations
Vegetables	3-6	Apply every 14 days from mid-crop or when flowering starts
Brassicas	3-6	Apply at early head development Repeat spray every 14 days or as follow-up to NITROBOOST
Onions	3-10	 Apply from when sufficient leaf exists to intercept spray Apply at bulb development
Sugarcane	2-10	 Apply at 100 DAP and 115 DAP (Days After Planting) Option to apply at intervals of 14 days as needed from 130 DAP to 250 DAP via drone to further push yield volume and sweetness (Brix/PSTC) Best to apply after NITROBOOST when canopy closes and up to 2.5 to 4 months before harvest for higher brix factor or sugar content
Corn	3-10	 Apply at 45 DAP and follow-up spray at 55 DAP to maximize yield advantage
Rice	3-10	 Apply at panicle initiation Apply at 35 DAT (Days After Transplant) Follow-up at 50 DAT to maximize yield and grain quality
Fruit Trees	5-10	 Apply from early bloom through fruit set and maturity Repeat application after 30 days Double rate of application per hectare at post-harvest Spray volume at 2,500 liters per hectare or 2-6 tank loads per tree
Banana	2-10	 Apply every 14 days from fruit set to harvest Triple the rate per hectare when applying via fertigation
Pineapple	2-5	 Apply every 15 days early in season and from fruit set to harvest Triple the rate per hectare when applying via fertigation
Mango	5-10	 Apply at 12-15 DAFI (Bud Elongation) Apply at 24-28 DAFI (1st HUGAS) Apply at 1-2 days before wrapping (2nd HUGAS) Apply at 55-58 DAFI (3rd HUGAS) Apply at 61-90 DAFI (Fruit Enlargement)
Cutflowers	2-10	 To apply as foliar, use lower rate (5 liters) at 1:100 dilution; as drench or via fertigation, use higher rate (10 liters) at 1:100 dilution

BIG TIME HARVEST, BIG TIME GROWER





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