IN BALANCE WITH NATURE

APTUS PLANT TECH

USER MANUAL

ADDITIONAL EDUCATION AND TECHNICAL SUPPORT

In order to better educate growers, **APTUS EDUCATION** is an ideal way to get more insight in plant nutrition and stimulation. Growers who join the APTUS Family are more successful, more engaged with their store and more fanatical about their gardens.

Product knowledge and application are the key to success and ensure satisfied and loyal customers. If you want to experience the education and service of a world class plant nutrition company, contact us so that we can inform and train you properly.

Please schedule a meeting so that we can discuss your options.

Inquiries: **info@aptus-holland.com**

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www.aptus-holland.com

TRUE PLANT SCIENCE

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THE APTUS PHILOSOPHY

The APTUS philosophy is to provide quality uniform products and education that enhances the growers' production and cultivation ability. The APTUS philosophy is based on a preventive methodology for plant, pest and environmental problems.

Simply put, to avoid problems before they arise.

Education
Everything we do begins with proper education. We focus on the benefit (and truth) of maximizing plant genetic potential through natural, science-based nutrition technologies. Our chief desire is to create a community of growers who understand why they achieve bigger yields with higher quality and better nutritional value.

Quality
We are constantly vigilant of the quality of our ingredients, distribution channels and staff. Growers can be confident that their plants receive no synthetic or harmful materials from Aptus products - only natural nutrition. All ingredients are of the highest and of the purest quality.

Value
All our products are made to let the end-user experience the best possible result. The high concentrations of our nutrient formulas mean low running cost and minimal waste.
Growers typically achieve better quality and higher yields for far less cost.

"Only the very best is good enough"

APTUS PLANT CARE

- **REGULATOR**
  (super concentrated, 1:6660)
  Nutrition manager, anti-stress plant enhancer
- **STARTBOOSTER**
  (super concentrated, 1:4000)
  Root- and growth booster
- **TOPBOOSTER**
  (super concentrated, 1:5000)
  Bloom stimulator
- **ENZYM+**
  (super concentrated, 1:5000)
  Powerful blend of enzymes
- **NUTRISPRAY**
  (super concentrated, 1:500)
  CE foliar fertilizer
- **FUNGONE**
  (ready to use product)
  Prevents fungi, bacteria and viruses
- **SYSTEM-CLEAN**
  (extra oxygen for plants)
  Cleaning drip systems

APTUS SPECIALTY BOOSTERS

- **SUPER-PK**
  (super concentrated, 1:2000)
  Powerful PK bloom stimulator
- **N-BOOST**
  (super concentrated, 1:2000)
  Nitrogen booster
- **P-BOOST**
  (super concentrated, 1:2000)
  Phosphorus booster
- **K-BOOST**
  (super concentrated, 1:2000)
  Maturation booster
- **CaMg-BOOST**
  (super concentrated, 1:2000)
  Bud booster
- **FULVIC-BLAST**
  (super concentrated, 1:3333)
  Complete microelement booster
- **HUMIC-BLAST**
  (super concentrated, 1:3333)
  Organic soil conditioner

APTUS INSECT & SOIL CARE

- **DISLIKE**
  (5 ml preventive, 10 ml shock treatment)
  Prevents harmful flying, sucking and crawling insects
- **SOIL ATTACK LIQUID**
  (1:4000 preventive, 1:2000 shock treatment)
  Prevents problems with soil borne insects
- **SOIL ATTACK GRANULAAT**
  (1:4000 preventive, 1:2000 shock treatment) Prevents problems with soil borne insects
- **MICROMIX SOIL**
  (1 g per plant)
  Beneficial soil borne microlife
- **MICROMIX DRIP**
  (1 g/L water)
  Beneficial soil borne microlife
- **MYCOR MIX**
  (1 g per plant)
  Enlarges root system and facilitates nutrient uptake (especially phosphorus)

APTUS NUTRITION

- **ALL-IN-ONE LIQUID**
  (super concentrated 1:1000)
  Complete mineral based fertilizer, with no chloride and added acids, that can be used from start till finish
- **ALL-IN-ONE PELLET**
  (10 to 12 weeks nutrition in your soil)
  Complete 100% organic pellet fertilizer with slow-release effect that provides complete nutrition for plant development

APTUS PRODUCTS

HOW to mix your Aptus nutrients

STEP 1
Fill your reservoir with clean, fresh water

STEP 2
Add Regulator and mix properly*

STEP 3
Add N/P/K/ CaMg-Boosters

STEP 4
Check EC/PPM levels

STEP 5
Add base NPK fertilizer until desired EC is reached**

STEP 6
Add Startbooster and/or Topbooster and mix in between**

STEP 7
Check the pH and adjust to 5.8 (hydro/coco) or 6.2 (soil)

STEP 8
Use feed water within 2-3 days if possible

* Extremely important to do this first and mix very well
** Use clean measuring implements for every product you add to avoid contamination

CAUTION: If you leave the solution for more than 3 days, biofilm may build up and potentially clog drip lines in hydro systems.

Problem	Product	Dosage	Location	Application	Frequency
Too high EC in substrate	Enzym+	5 ml/10 L of water	Substrate	Irrigation or pouring	Once a week
Deficiency micro elements	NutriSpray	2 ml/L of water	Plant	Spray plant leaves	Every 15-20 days
Deficiency micro elements	Fulvic-Blast	3 ml/10 L of water	Substrate	Irrigation or pouring	If necessary
Re-use substrate	Humic-Blast	3 ml/10 L of water	Substrate	Irrigation or pouring	Last 2-3 times before harvest
Re-use substrate	Enzym+	5 ml/10 L of water	Substrate	Irrigation or pouring	Last 2-3 times before harvest
Improvement root uptake	Mycor Mix	1 g per plant	Substrate	Straw in planthole	Once
Restoring microlife	MicroMix Soil	0,5-1 g/L of substrate	Substrate	Mix through soil	Once
Stimulation microlife	MicroMix Drip	1 g/L of water	Substrate	Irrigation or pouring	At the start and every 30 days
Leaf-eating insects	Dislike	5-10 ml/L of lukewarm water	Plant	Spray plant leaves	5x every 3 days, after that every 10 days
Soil born insects	Soil Attack Liquid	2,5-5 ml/10 L of water	Substrate	Irrigation or pouring	1-2 times per cycle
Fungal infection	Fungone	Ready to use	Plant	Spray plant leaves	Every 7-10 days
Fungal infection	Fungone-C	1 L /4 L of water	Plant	Spray plant leaves	Every 7-10 days
Clogged irrigation systems	System-Clean	2,5 ml/10 L of water	System	Irrigation or pouring	Once a week

NUTRIENT SCHEDULE - BASIC

	SEEDING	PLANTING	GROWTH	EARLY FLOWERING	LATE FLOWERING	MATURATION	CLEANING
Water							
Regulator	1 ml/L	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	
Super-PK				2,5 ml/10 L C	5 ml/10 L C		
K-Boost					5 ml/10 L C	5 ml/10 L C	
EC-check	Check your EC						
NPK-nutrient	Add until desired EC						
Startbooster	1 ml/L	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L P			
Topbooster				2 ml/10 L C	2 ml/10 L C	2 ml/10 L C	
pH-check	pH 5,8 - 6,2						
If necessary:							
N-Boost		2,5 ml/10 L P	5 ml/10 L P	5 ml/10 L P			
Enzym+			5 ml/10 L P	5 ml/10 L P	5 ml/10 L P	5 ml/10 L P	10 ml/10 L*
System-Clean			2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L
NutriSpray		2 ml/L	2 ml/L	2 ml/L	2 ml/L	2 ml/L	
Dislike		4 ml/L	5 ml/L	5-10 ml/L	5-10 ml/L	5-10 ml/L	
Soil Attack Liquid			2,5-5 ml/10 L	2,5-5 ml/10 L	2,5-5 ml/10 L	2,5-5 ml/10 L	
Humic-Blast						5 ml/10 L	10 ml/10 L*

* WHEN REUSING MEDIUM, ADD THESE PRODUCTS FOR THE LAST TWO WATERINGS

SPRAY
POURING
C CONTINUOUS (with every watering)
P PERIODIC (once a week)

Short lighting period
Long lighting period

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NUTRIENT SCHEDULE - PRO

	SEEDING	PLANTING	GROWTH	EARLY FLOWERING	LATE FLOWERING	MATURATION	CLEANING
Water							
Regulator	1 ml/L	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	1,5 ml/10 L C	
P-Boost				5 ml/10 L C	5 ml/10 L C		
CaMg-Boost			2,5 ml/10 L P	2,5 ml/10 L P	2,5 ml/10 L P	2,5 ml/10 L P	
K-Boost					3 ml/10 L C	5 ml/10 L C	
EC-check	Check your EC						
NPK-nutrient	Add until desired EC						
Startbooster	1 ml/L	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L P			
Topbooster				2 ml/10 L C	2 ml/10 L C	2 ml/10 L C	
pH-check	pH 5,8 - 6,2						
If necessary:							
N-Boost		2,5 ml/10 L P	5 ml/10 L P	5 ml/10 L P			
Enzym+			5 ml/10 L P	5 ml/10 L P	5 ml/10 L P	5 ml/10 L P	10 ml/10 L*
System-Clean			2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L C	2,5 ml/10 L
NutriSpray		2 ml/L	2 ml/L	2 ml/L	2 ml/L	2 ml/L	
Dislike		4 ml/L	5 ml/L	5-10 ml/L	5-10 ml/L	5-10 ml/L	
Soil Attack Liquid			2,5-5 ml/10 L	2,5-5 ml/10 L	2,5-5 ml/10 L	2,5-5 ml/10 L	
Humic-Blast						5 ml/10 L	10 ml/10 L*

*** WHEN REUSING MEDIUM, ADD THESE PRODUCTS FOR THE LAST TWO WATERINGS**

- **SPRAY**
- **POURING**
- **C CONTINUOUS (with every watering)**
- **P PERIODIC (once a week)**

- **Short lighting period**
- **Long lighting period**

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NUTRIENT SCHEDULE - EXTREME

	SEEDING	PLANTING	GROWTH	EARLY FLOWERING	LATE FLOWERING	MATURATION	CLEANING
Water							
Regulator	1 ml/L	1,5 ml/10 L POURING, CONTINUOUS	1,5 ml/10 L POURING, CONTINUOUS	1,5 ml/10 L POURING, CONTINUOUS	1,5 ml/10 L POURING, CONTINUOUS	1,5 ml/10 L POURING, CONTINUOUS	
P-Boost				5-6 ml/10 L POURING, CONTINUOUS	7-8 ml/10 L POURING, CONTINUOUS		
CaMg-Boost			5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	
K-Boost					3-5 ml/10 L POURING, CONTINUOUS	7,5-10 ml/10 L POURING, CONTINUOUS	
EC-check	Check your EC						
NPK-nutrient	Add until desired EC						
Startbooster	1 ml/L	2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING, PERIODIC			
Topbooster				2,5 ml/10 L POURING, CONTINUOUS	3 ml/10 L POURING, CONTINUOUS	4 ml/10 L POURING, CONTINUOUS	
pH-check	pH 5,8 - 6,2						
If necessary:							
N-Boost		2,5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC			
Enzym+			5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	5 ml/10 L POURING, PERIODIC	10 ml/10 L* POURING
System-Clean			2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING, CONTINUOUS	2,5 ml/10 L POURING
NutriSpray		2 ml/L SPRAY	2 ml/L SPRAY	2 ml/L SPRAY	2 ml/L SPRAY	2 ml/L SPRAY	
Dislike		4 ml/L SPRAY	5 ml/L SPRAY	5-10 ml/L SPRAY	5-10 ml/L SPRAY	5-10 ml/L SPRAY	
Soil Attack Liquid			2,5-5 ml/10 L POURING	2,5-5 ml/10 L POURING	2,5-5 ml/10 L POURING	2,5-5 ml/10 L POURING	
Humic-Blast						5 ml/10 L POURING	10 ml/10 L* POURING

*** WHEN REUSING MEDIUM, ADD THESE PRODUCTS FOR THE LAST TWO WATERINGS**

NOTE: only use nutrient schedule "Extreme" on healthy and vital plants

- SPRAY
- POURING
- CONTINUOUS (with every watering)
- PERIODIC (once a week)

- Short lighting period
- Long lighting period

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