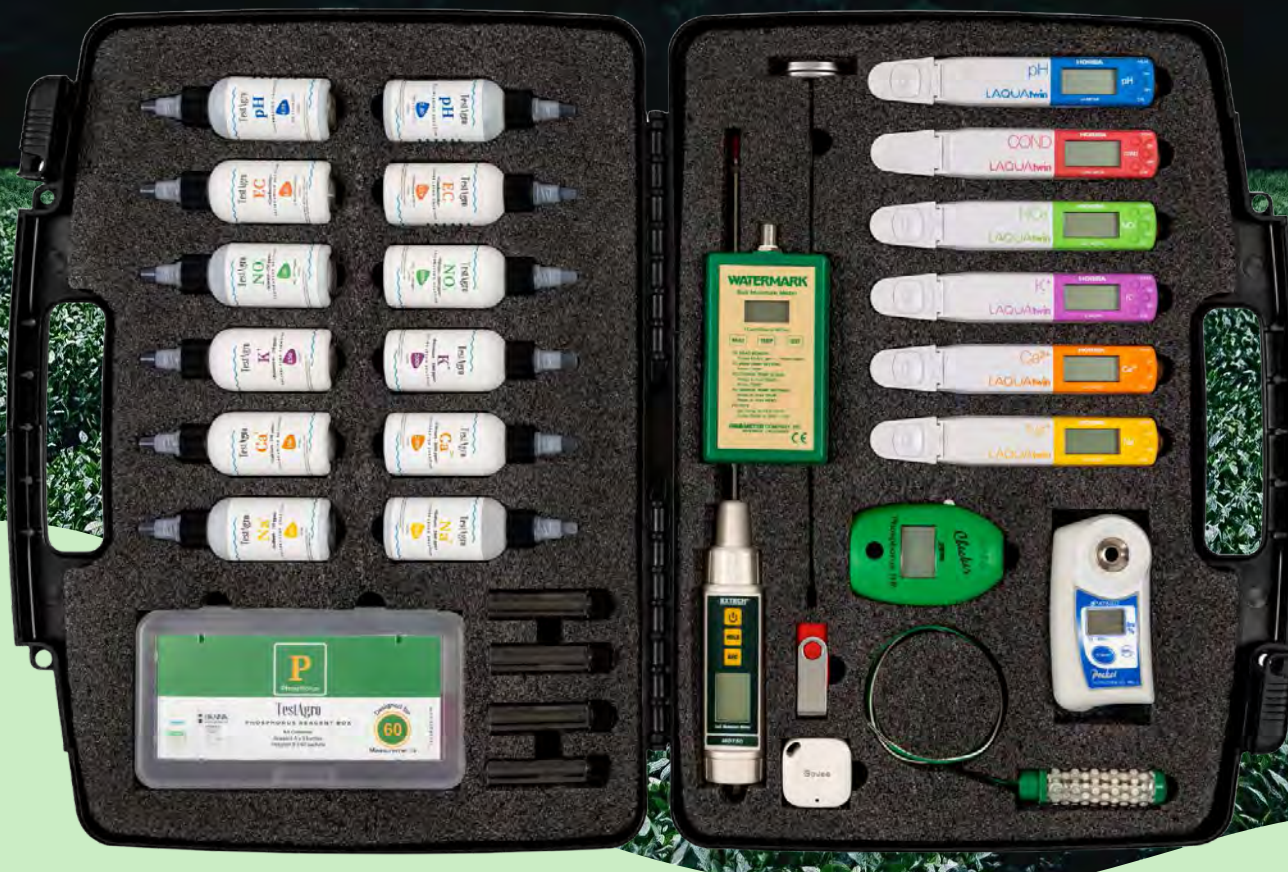


PROFESSIONAL TESTING KITS

THE AGRONOMIST KITS



TEST ALL THE KEY CROP AND SOIL PARAMETERS

MAKE AN INFORMED DECISION TO ENSURE BEST CROP NUTRITION
RIGHT IN THE FIELD

TestAgro

PRECISION AGRICULTURE

TESTAGRO.COM

AGRONOMISTS, GROWERS AND CROP CONSULTANTS:

1

If you think it's vital to know the nutrient absorption rate of your crop and your soil condition

2

If you've been sending your sap and soil samples to the lab and wondered if you could do it in the field

3

If you want to have the tools and process to regularly test the sap and soil of your crop AND get the results almost immediately

.....then see how you can transform your testing process with the **Agronomist Kits**



NUTRICHECK MAX

COMPLETE TESTING KIT FOR NUTRIENTS & SOIL PARAMETERS

- pH and Conductivity meters
- NPK meters: Nitrogen (N), Phosphorus (P), Potassium (K), Calcium (Ca) and Sodium (Na) meters
- Soil Thermometer, Soil Moisture meter and Tensiometer
- Bluetooth data logger for Ambient Temperature and Relative Humidity monitoring on your phone
- Brix Refractometer (analog or digital)



NUTRICHECK

BASIC TESTING KIT FOR NUTRIENTS AND SOIL

- pH and Conductivity meters
- NPK meters: Nitrogen (N), Phosphorus (P), Potassium (K), Calcium (Ca) and Sodium (Na) meters
- Bluetooth data logger for Ambient Temperature and Relative Humidity monitoring on your phone



SAMPLING EXPERT

PREPARES YOUR SOIL & SAP SAMPLES FOR FIELD TESTING

- Extract and prepare soil or sap samples in the field ready for testing
- Weigh, filter and dilute samples right in the kit
- Includes a complete guide with recommended sampling and testing procedures for soil and fresh tissue analysis as well as reference tables for various crops

APPLICATIONS FOR THE AGRONOMIST KITS



SOIL TESTING

Prepare your soil samples or extract soil solutions to measure:

- Nutrient availability
- Soil pH, conductivity and salinity
- Soil temperature and humidity

PLANT SAP ANALYSIS (FRESH TISSUE)

- Identify the nutritional state of your plants in real time
- Analyze the efficiency of plant nutrient absorption
- Establish optimal nutrients range at different growing stages



CROP MANAGEMENT

- Identify crop nutrient deficiency / excess
- Implement regular crop nutrients monitoring
- Use data obtained to implement a custom fertilization program
- Measure the quality of irrigation water
- Stop wasting money on unnecessary fertilizer and produce better quality crops

ANALYSIS OF HYDROPONICS AND NUTRITIVE SOLUTIONS

- Test the nutritive solutions and irrigation water in the tank or dripping systems as often as necessary
- Assess crop nutrient absorption by measuring the concentration levels in the inlet and outlet of hydroponics systems



ENVIRONMENTAL CONDITIONS

- Measure ambient temperature and relative humidity
- Record the temperature, see the maximum and minimum values, and set alarms on your phone
- Use this data to control and adjust the environmental condition in your greenhouse

NUTRICHECK MAX KITS HIGHLIGHTS

WHAT'S INSIDE:

LAQUAtwin

IRR0METER®

EXTECH
INSTRUMENTS

HANNA
instruments

- ✓ Proven in the field by agronomists worldwide
- ✓ Great precision with field type instruments
- ✓ Strong correlation with lab analysis - without the lab price tag

We studied the field routine of 50+ agronomists and crop consultants to learn what parameters really matter for growers like you. With the instruments we have combined in the kit, you'll be equipped to get the best out of your crop.



- 1 DATA LOGGER (Bluetooth powered)**
Monitor the ambient temperature and relative humidity in your greenhouse. Check results on your smartphone, record data and set alarms.
- 2 PHOSPHORUS CHECKER**
Hanna Checker HI-706 is the best field instrument to measure phosphorus easily. This photometer uses reagents for each measurement. Samples need to be diluted prior to measurement.
- 3 REFRACTOMETER**
Refractometer allows quick and easy analysis of Brix values. This compact meter has a temperature compensation function and can measure fruit Brix up to 32%
- 4 LAQUATWIN METERS**
Featuring unique flat sensor technology, LAQUAtwin meters measure tiny samples, such as plant sap droplets, or can be submerged in a liquids (soil and nutritive solutions). The wide measurement range allows direct measurement without having to dilute your samples.
- 5 TENSIO METER**
The WaterMark meter is a great option for permanent installation. The sensor remains in the soil and provides digital readouts once connected to the control unit. Results are provided in centibars (cb).
- 6 THERMOMETER**
Use the thermometer to conveniently measure soil temperature
- 7 CALIBRATION SOLUTIONS**
TestAgro calibration solutions have been designed for the LAQUAtwin meters. The kits include 2 x 60 ml bottles to calibrate each meter in two points. The dropper lid will make it easy to use only the volume you need. These solutions are designed for regular testing and intensive use*.
**Will allow up to 300 calibrations*
- 8 STORAGE CASES (X2)**
 - Reagent A & B for phosphorus photometer
 - Cleaning cloth
 - Screw driver for refractometer calibration (analog version only)
 - Plastic droppers
- 9 CUVETTES FOR PHOSPHORUS CHECHER**
Four (4) cuvettes for the phosphorus analysis. These can be held in a vertical position within the kit (inside the foam) for convenient field operations
- 10 SOIL HUMIDITY METER**
The Extech meter allows direct measurement of soil humidity by using an integrated insertion probe. Easy and convenient to operate, it provides results in %. This is best for various spot measurements

SAMPLING EXPERT KIT HIGHLIGHTS



DO YOU TEST YOUR CROP AND SOIL SAMPLES IN THE FIELD?

Testing in the field requires a set of sampling procedures and materials, in addition to all the testing equipment. Prior to actual analysis, these samples need to be collected, extracted, filtered and diluted.

Typically, growers need to return to the lab to perform measurements after they collect their samples. The process of field sampling and testing can be a hassle to organize and time-consuming to complete.

With Sampling Expert Kit, you will have a tool that will simplify your sampling process. It has all the equipment you need to streamline the sampling routine and get to the testing results quicker.

EXTRACT SOIL SOLUTION

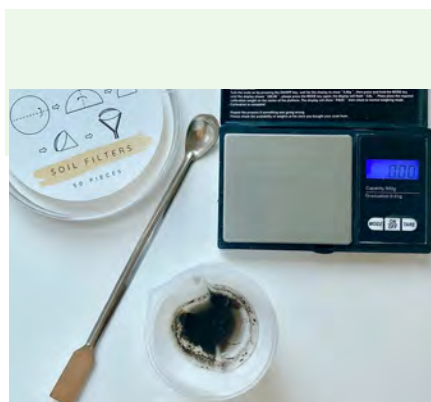
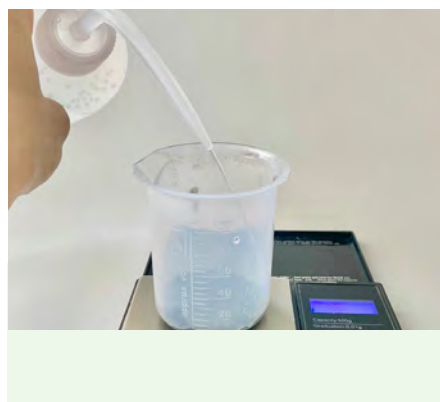
The soil access tube and vacuum syringe will allow you to extract soil solutions. This is a preferred soil testing method for greenhouse crops, horticulture and cultures with fertigation systems. You will obtain a solution that will then ready to be tested after leaving the tube in the soil for at least 6 hours.

PREPARE SOIL SAMPLES FOR TESTING

- Remove stones and organic matter with soil sieve
- Dilute & prepare soil samples with: scale, water bottle, soil extractant, precision syringes and beakers
- Prepare the samples for testing funnel and filters

EXTRACT AND PREPARE PLANT SAP SAMPLES

- Collect leaves and separate the petioles with the pruner
- Squeeze and extract the fresh plant tissue with the sap press
- Separate and store various samples using the vials



SAMPLING EXPERT KIT HIGHLIGHTS

BETTER TRANSPORTABILITY

Sampling Expert was created to make the smart use of space. All the items to perform the sampling routine are included inside. With a weight of 8 lbs (pounds) and dimensions of 19x14x7" (inches), it will become your mobile companion that will be easy to carry around wherever your work takes you.

BETTER USER EXPERIENCE

It can be laborious to perform sampling in the field, with wobbly equipment being scattered around on an uneven ground.

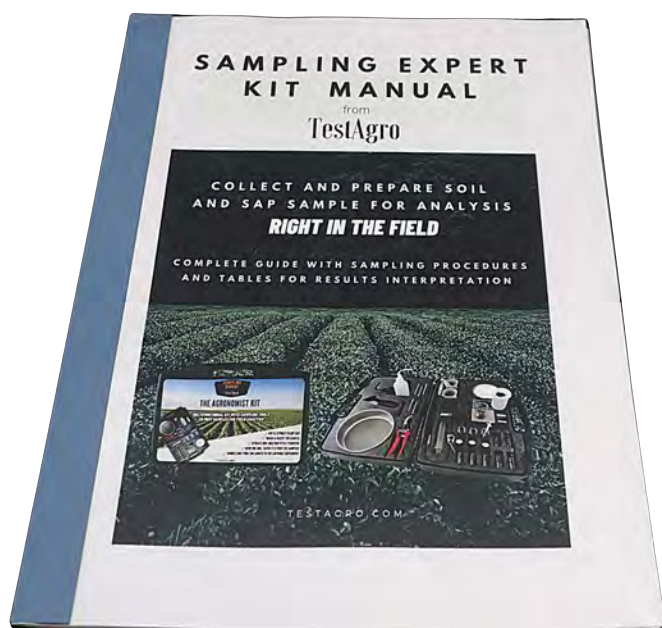
Sampling Expert has been designed to convert into a portable field worktop once opened. You can do actual sampling procedures inside the kit: the foam will hold the labware vertically for better stability and user-friendly operations.



"Compact and easy to transport"



BONUS: COMPLETE GUIDE FOR SOIL & SAP TESTING WITH 50+ REFERENCE TABLES FOR VARIOUS CROPS



Parameter	Too low	Optimal	Too High
Calcium Ca ²⁺ (ppm)	<40	200 - 400	>800
Nitrate NO ₃ -N (ppm)	<30	70 - 120	>200
Magnesium Mg ²⁺ (ppm)	<25	70 - 100	>250
Sodium Na (ppm)	<50	110 - 180	>300
Potassium K ⁺ (ppm)	<30	90 - 120	>200
Chloride Cl ⁻ (ppm)	<2.5	1.5 - 2.0	>5.0
pH	<5.5	5.5 - 6.5	>7.5

Reference: J. Campbell, 2008

Recommended soil parameter for tomato culture

	Below	Optimal	High
pH	<5.5	5.5 - 6.5	>6.5
Conductivity	<1.0	1.5 - 3.0	>4.0
Dissolved Oxygen (mg/l)	<8 (ppm)	from 7 to 10 ppm	No negative effect

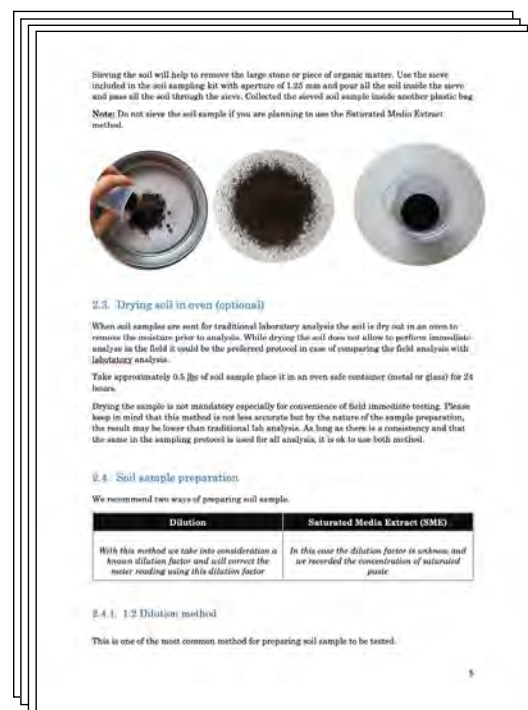
Environmental parameters

Ambient temperature	Optimal 71 - 75°F (22 - 24°C) day time / 65°F (18°C) at night
Relative Humidity	< 50% 60 % - 70% > 80%

8.10.2. Strawberry

Reference level of nutrient in Strawberry fresh Tissue (petiole extract)

Week after transplant	Nitrate NO ₃ -N (ppm)	Potassium K ⁺ (ppm)	Calcium Ca ²⁺ (ppm)	Phosphorus P (ppm)	Magnesium Mg ²⁺ (ppm)	Brix (Brix)
Week 4	800 - 900	3000 - 3500	40 - 80	200 - 250	20 - 40	
Week 8	800 - 800	3000 - 3500	40 - 80	180 - 200	20 - 40	
Week 12	800 - 800	2500 - 3000	40 - 80	200 - 250	20 - 40	
Week 16	300 - 500	2000 - 2500	80 - 120	280 - 320	20 - 40	
Week 20	200 - 500	1800 - 2000	120 - 140	280 - 300	20 - 40	
Week 24	300 - 500	1500 - 2000	140 - 160	240 - 280	20 - 40	12 - 18



- ✓ 70 pages detailing best practices for testing and sampling. All you need to know to get the most accurate results.
- ✓ Recommendations, tips and how-to steps with illustrations for the proper use of LAQUAtwin, Hanna, Extech and Watermark meters (including QR codes for how-to videos).
- ✓ Roles of essential elements in plant growth.
- ✓ Spreadsheet to calculate the nutrients availability in kg/ha based on the soil analysis results.
- ✓ Recommendations and reference values for key parameters for various crops to help with results interpretation. (Currently includes 29 crop types, with more being added regularly).
- ✓ Recommendations to develop your own reference table, based on the expected yield and the local conditions.

THE BENEFITS OF THE AGRONOMIST KITS

NUTRICHECK & NUTRICHECK MAX

01 ALL THE TESTERS YOU'LL NEED IN THE FIELD ARE INCLUDED IN ONE COMPACT CASE

It's all about making your testing routine efficient and easy! Bring your **Agromonist Kit** with you to the field, and you will have all the testers, calibrations solutions, reagents and supportive equipment.



02 LEARN CRITICAL INFORMATION ABOUT YOUR CROPS AND REACH DESIRED YIELD

Using lab precision testers you can obtain valuable data about your crop nutritional state and soil condition. These results will help to better manage your fertilization plan and achieve your target yield with better quality products.



03 DESIGNED FOR INTENSIVE TESTING AND FIELD USE

Run long-term monitoring campaigns with confidence that it won't stretch your budget for consumables or lab related costs. You'll receive calibration solutions with every LAQUAtwin meter that will last for 300+ calibrations and phosphorus reagents that will last for 70 measurements.



04 SAVE UP TO 3 WEEKS PER ANALYSIS*

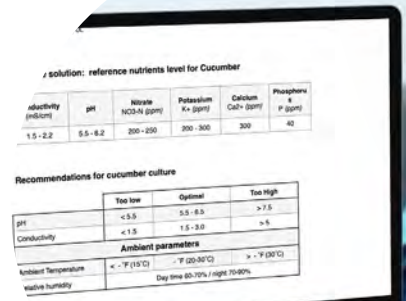
With **NUTRICHECK** kits, you can see data on your crop immediately. Sending your samples to a lab can result in outdated information: by the time you receive the results the nutritional state of your crop may have changed already. With **NUTRICHECK**, you get the results immediately and you can act on what is needed on the spot.



*Compared to typical result delivery lead time from testing labs.

05 BUILD AND MANAGE YOUR OWN TESTING PROTOCOL

Investing in the **Agronomist Kits** means streamlining and investing in your field processes. Now it is you who sets the testing frequency according to your needs. The results delivered by the **Agronomist Kits** will help to identify optimal levels and observe tendencies. You can also compare the data with other farms, lots, varieties or seasons. You will build your own knowledge to better manage your nutrition and stop wasting money on unnecessary fertilizer.



Solution: reference nutrients level for Cucumber					
Electrical Conductivity (µS/cm)	pH	Nitrogen (N) (ppm)	Phosphorus (P) (ppm)	Calcium (Ca) (ppm)	Phosphorus (P) (ppm)
1.5 - 2.2	5.5 - 6.2	200 - 250	300 - 300	300	40

Recommendations for cucumber culture			
	Too low	Optimal	Too high
pH	< 5.5	5.5 - 6.5	> 7.5
Conductivity	< 1.5	1.5 - 3.0	> 5

Ambient parameters		
Ambient Temperature	< - F (15°C)	> - F (30°C)
Relative Humidity	Day time 60-70% / night 70-80%	

06 MEASURE PLANT NUTRITION AND GET RECOMMENDATIONS EVEN WITHOUT AN IN-HOUSE AGRONOMIST

The instruments in the kit are easy to operate. If you are a grower, you can do regular measurements yourself (or even let your farm employees do it) and send the data to your crop consultants and agronomists. They will then provide you with a better interpretation and action plan, (compared with visual assessment and assumption) based on real and recent data. This way you can still benefit from regular analysis with your preferred agronomist, only without the frequent visits and the costs associated with them.



WHAT AGRONOMISTS SAY ABOUT OUR KITS



Lucimar Andrade De Lima

Agronomist, GO, Brazil
Papaya Brasil Projetos
Agrônômicos

“I BRING MY AGRONOMIST KITS TO EVERY FARM THAT I ADVISE”

The NutriCheck and Sampling Expert kits help me a lot in my job as an agronomist. I take them to every farm I visit. Now I can take immediate measurements and we can make instant decisions with growers. I can also carry out a more regular and precise nutritional monitoring with my clients, based on the real needs of the crop.

I also use the equipment to conduct courses and training sessions for various producers in the sector. I am happy with the knowledge that I am acquiring by using these precision agriculture technologies - this help us to improve crop management at our farms.

AN OVERVIEW OF THE ROLES OF ALL KEY TESTING PARAMETERS

(ARE YOU ALREADY CHECKING ALL OF THEM?)



pH



pH level influences soil nutrient availability, the activity of micro-organisms, and most chemical transformations. High pH leads to low absorption of micro-nutrients. Low pH reduces the availability of calcium and phosphorus and impacts micro-organisms in the soil.

The optimal pH for strawberries is from 5,5 to 6,5*.
The optimal pH for plant fresh tissue (sap) is 6,4*.



Electrical conductivity



Electrical conductivity (EC) measures the amount of dissolved salts and is used as a general soil quality and fertility indicator. EC is a key parameter in hydroponic nutritive solutions.

The optimal EC for lettuce is 1.30 mS/cm in soil solutions and 0.90 mS/cm in nutritive solutions.
The normal EC for soil (dilution 1:2) should be 0.75-1.25 mS/cm.



Nitrate / Nitrogen



Nitrogen is key in fertilization: it's a vital element for plant growth and foliage development. It is also key in photosynthesis activity and chlorophyll formation. Nitrate is an important parameter in sap testing. Nitrogen deficiency reduces crop growth and lowers yield. Nitrogen excess increases susceptibility to diseases and decreases fruit size and sugar amount.

The optimal nitrate concentration in nutritive solutions for tomatoes is 850 ppm.



Phosphorus



Phosphorus is an important element in the vegetative stage. It helps with root growth and promotes flowering and seed production. Phosphorus is involved in various functions, including photosynthesis and energy transfer. It also supports plants' resistance to disease. Phosphorous deficiencies do not show visual symptoms, so it's important to use a testing device. Excess phosphorus reduces absorption of micronutrients.

The optimal phosphorus concentration for bell peppers (petiole fresh tissue) is from 200 to 700 ppm (depending on the growing stage).



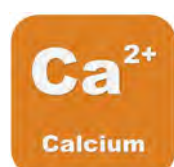
Potassium



Potassium is a key mineral when for crops as it plays a role in the fruit development stage. It strengthens plant tissue, increases photosynthesis capacity, and helps absorption of water and nitrates. Deficiency of potassium delays plant growth and fruit development, and it reduces resistance to water and temperature stress.

Excess of potassium means lower calcium uptake.

The ecommended potassium range in a soil solution (SSAT) for watermelon is from 270 to 340 ppm.



Calcium



Calcium is a fundamental structural element. It increases the firmness of fruit tissue and improves the post-harvesting shelf life. It also helps nitrogen-fixing bacteria to form a? roots complex. Calcium can also be used to reduce soil acidity (liming). Calcium deficiency may cause the blossom end to rot in tomato and pepper cultures, while an excess of calcium may lower potassium uptake.

The optimal calcium concentration in avocado sap (petiole fresh tissue) is from 600 to 1300 ppm.

*Optimal parameters will vary with the type of crop, growing stage, and type of sample. Refer to the user manual for comprehensive reference tables.



Sodium



Usually sodium is a limiting parameter: it is linked to soil salinity, which affects the plant development. Its presence in soil and water may affect calcium uptake. Excessive accumulation of sodium in soil could come from irrigation water and low quality fertilizer.

For most crops, the recommended levels of sodium should be below 100 ppm.



BRIX



Brix refers to the sugar content in fruit juice and vegetables. It is used to determine maturity, ripeness and flavor of a fruit based on its sugar level. Brix measurements help growers to decide when to harvest their crops. High Brix means the fruit will be sweet and ripe. Low Brix can mean the fruit suffers from nutrient deficiency and will manifest in an acidic fruit.

Brix for grapes: good: 14; excellent:18



Temperature



Temperature is an important parameter as it influences plant growth, seed germination, blooming and composting. It also plays a role in biological activities. Ambient temperature is a critical and controlled parameter for greenhouse crops.



Soil Humidity



Soil moisture is critical for plant growth as water transports nutrients in the plant. It's also important for soil microorganisms and the regulation of soil temperature. Measuring soil moisture helps to determine irrigation needs.

The normal soil humidity range for the majority of crops is 40-60%.



Tensiometer



The WaterMark sensor (tensiometer) measures electrical resistance which is used to define soil water tension over a range of 0 to 199 centibars (cb). Electrical resistance increases as soil moisture decreases, so high readings indicate that the soil is drying out. The measurement of soil tension helps to optimize irrigation, but the readings must be interpreted according to the characteristics of the soil.

The recommended soil tension for citrus is from 40 to 60 cb.

COMPARE BETWEEN NUTRICHECK KITS

	NutriCheck Max	NutriCheck
pH Meter	✓	✓
Conductivity Meter	✓	✓
Nitrate Meter	✓	✓
Phosphorus checker	✓	✓
Potassium Meter	✓	✓
Calcium Meter	✓	✓
Sodium Meter	✓	✓
Data Logger (Temperature and Ambient Humidity)	✓	✓
Soil Moisture Meter	✓	
Tensiometer	✓	
Soil Thermometer	✓	
Brix Refractometer (2 options: Digital or Analogic)	✓	



NUTRICHECK MAX



NUTRICHECK

TECHNICAL SPECIFICATIONS



Parameter	pH	Conductivity	Nitrate	Potassium	Calcium	Sodium	Phosphorus
Model	LAQUAtwin pH-11	LAQUAtwin EC-11	LAQUAtwin NO3-11 / K-11 / CA-11 / NA-11				HI-706
Technology	Glass electrode	Electrode AC bipolar	Flat Ion Selective Electrode (ISE)				LED light - photo-detector
Range	from pH 0 to pH14	from 0.00 to 20.0 mS/cm	from 6 to 9900 ppm				from 0 to 15 ppm
Precision	± 0.1 pH	± 2%	± 10%	± 10%	± 20%	± 10%	± 2%
Resolution	0.1 pH	1 µS/cm up to 2000 µS/cm 0.01 mS/cm up to 20 mS/cm	1 ppm up to 99 ppm 10 ppm up to 990 ppm 100 ppm up to 9900 ppm				0.1 ppm
Calibration	2 points						Zero
Calibration value	pH 4 & 7		150 & 2000 ppm				Zero
Temperature compensation	Yes						
Display	LCD						
Waterproof	Yes						No
Operating temperature	32 - 104°F (0 - 40°C)						32 - 122°F (0 - 50°C)
Operating humidity	< 85% Relative Humidity						< 95% RH - no condensation
Batteries	2 x CR2032						AAA
Weight	0.12 lb / 0.06 kg						0.12 lb / 0.06 kg
Warranty	2 years for the meter / 6 months for the electrodes						1 year

Parameter	Refractometer	Soil Moisture meter	Tensiometer	Soil Thermometer	Ambient Temperature	Ambient Humidity
Model	Atago PAL-1	Extech MO750	WaterMark	TA-Thermo-01	Govee	
Technology	Light refraction	Integrated contact probe	Electric resistance	Bimetal sensor	Thermometer	Resistivity sensor
Range	from 0 to 53%	from 0 to 50%	from 0 to 200 cb	from 0 to 220°F (-15 - 110°C)	from -40 to 140°F (-40 - 60°C)	from 0 to 100%
Precision	± 0.1%	± 5%		N/A	± 0.5°F / ± 0.3°C	± 4.5% max
Resolution	0.1 %	0.1 %	1 centibar	2°F / 2°C	0.1 °F / 0.1°C	0.001
Calibration	Zero adjustment	No Calibration	No Calibration	No Calibration	1 point	
Calibration value	Zero	-	-	-	Ambient temperature	Ambient Humidity
Temperature compensation	Yes		Yes	-	N/A	
Display	LCD	LCD	LCD	Analog	On your smart phone	
Waterproof	No	No	No	Yes	N/A	
Operating temperature	50 - 104°F (10 - 40°C)	32 - 122°F (0 - 50°C)	32 - 122°F (0 - 50°C)	0 - 220°F (-15 - 110°C)	-40 - 140°F (-40 to 60°C)	
Operating humidity	N/A	< 80% RH	N/A	N/A	0 to 100%	
Batteries	2 x AAA	4 x AAA	1 x 9 V	No Batteries	CR2477	
Weight	0.2 lb / 0.1 kg	0.58 lb / 0.3 kg	0.7 lb / 0.3 kg	0.26 lb / 0.12 kg	0.1 lb / 0.04 kg	
Warranty	1 year	2 years	1 year	1 year	1 year	



REORDERING PARTS AND CONSUMABLES

Calibration Solutions

Name	Reference	Description	Price
Sodium 150 ppm Calibration Solution TestAgro	TAS-NA150	Sodium Calibration Solution at 150 ppm, 60 ml bottle with dropper lid	25 USD
Sodium 2000 ppm Calibration Solution TestAgro	TAS-NA2000	Sodium Calibration Solution at 2000 ppm, 60 ml bottle with dropper lid	25 USD
pH 4 Calibration Solution TestAgro	TAS-PH4	pH Calibration Solution at pH 4.01, 60 ml bottle with dropper lid	25 USD
pH 7 Calibration Solution TestAgro	TAS-PH7	pH Calibration Solution at pH 7.00, 60 ml bottle with dropper lid	25 USD
EC 1.41 mS/cm Calibration Solution TestAgro	TAS-EC141	Conductivity Calibration Solution at 1.41 mS/cm, 60 ml bottle with dropper lid	25 USD
EC 12.88 mS/cm Calibration Solution TestAgro	TAS-EC1288	Conductivity Calibration Solution at 12.88 mS/cm, 60 ml bottle with dropper lid	25 USD
Potassium 150 ppm Calibration Solution TestAgro	TAS-K150	Potassium Calibration Solution at 150 ppm, 60 ml bottle with dropper lid	25 USD
Potassium 2000 ppm Calibration Solution TestAgro	TAS-K2000	Potassium Calibration Solution at 2000 ppm, 60 ml bottle with dropper lid	25 USD
Calcium 150 ppm Calibration Solution TestAgro	TAS-CA150	Calcium Calibration Solution at 150 ppm, 60 ml bottle with dropper lid	25 USD
Calcium 2000 ppm Calibration Solution TestAgro	TAS-CA2000	Calcium Calibration Solution at 2000 ppm, 60 ml bottle with dropper lid	25 USD
Nitrate 150 ppm Calibration Solution TestAgro	TAS-NO150	Nitrate Calibration Solution at 150 ppm, 60 ml bottle with dropper lid	25 USD
Nitrate 2000 ppm Calibration Solution TestAgro	TAS-NO2000	Nitrate Calibration Solution at 2000 ppm, 60 ml bottle with dropper lid	25 USD

Replacement sensors

LAQUAtwin pH sensor S010	LAQ-SEN-PH	Replacement sensor for LAQUAtwin pH meter	100 USD
LAQUAtwin Conductivity sensor S070	LAQ-SEN-EC	Replacement sensor for LAQUAtwin Conductivity meter	100 USD
LAQUAtwin Nitrate sensor S040	LAQ-SEN-NO	Replacement sensor for LAQUAtwin Nitrate meter	160 USD
LAQUAtwin Potassium sensor S030	LAQ-SEN-K	Replacement sensor for LAQUAtwin Potassium meter	160 USD
LAQUAtwin Calcium sensor S050	LAQ-SEN-CA	Replacement sensor for LAQUAtwin Calcium meter	160 USD
LAQUAtwin Sodium sensor S022	LAQ-SEN-NA	Replacement sensor for LAQUAtwin Sodium meter	160 USD
Hanna Phosphorus meter HI-706 Cuvette for Hanna Phosphorus meter	MET-HAN-P	Hanna Phosphorus Checker HI-706 includes reagent for 20 measurements	75 USD
Cuvette for Hanna Phosphorus meter x 2	CUV-HAN	Measurement cuvettes to perform Phosphorus measurement	10 USD
Reagent A & B for Hanna Phosphorus meter	REG-HAN-P	Reagent A & B for Hanna Phosphorus checker - 40 measurements	10 USD



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