

# KNOW THE IMPORTANCE OF pH



## HY-GEN pH TEST KIT

### What is pH and when should it be checked?

In hydroponics 'pH' is an extremely important factor. The pH is a scientific term used to describe the amount of acidity or alkalinity in a nutrient solution. If not monitored and adjusted regularly plants can become either weak or die.

pH is expressed as a series of numbers which represent degrees of acidity or alkalinity. The range used is usually between 1 and 14. Pure water has a neutral pH of 7. Values from 1 to 7 are degrees of acidity whereas 7 to 14 are degrees of alkalinity. The nutrient solution should always be kept slightly acidic and typically in a range between 5.8 to 6.5 which is suitable for most plants.

Nutrients will be more readily available for adsorption once the pH is set to the optimum range, therefore maximising their uptake. If the pH is too high or too low pH it can interfere with the absorption of important nutrients such as iron, calcium, magnesium, etc. It's essential that growers monitor and maintain a stable pH to make sure that the plant roots are healthy.

Testing the nutrient solution pH is made easy with a HY-GEN pH Test Kit. The kit comes supplied with a test tube, colour chart and concentrated indicator solution. Testing only requires *one drop* of indicator.

- SIMPLE TO USE
- ACCURATE COLOUR CHART
- CONCENTRATED INDICATOR SOLUTION
- ONLY ONE DROP REQUIRED
- MULTIPLE TESTS



Check your pH daily.

### pH TEST KITS CONTAINS

Code	Description	Box
TK000	5ml Test Tube	12
	15ml Concentrated indicator solution	
	Colour Chart with 4.5 to 7.5 range	

### WHEN TO USE

The pH should be checked daily and always after water or additives are added to your tank. Only test the solution after the tank has been mixed thoroughly and allowed to stand for at least 30 minutes.

### DID YOU KNOW?

Check your pH after you have finished adding your nutrient concentrates and additives to your tank. Mix well and allow at least 60 minutes to equilibrate before testing. The wrong pH can make the best nutrient solution perform poorly.