Pekacid

Nutritech System

www.nutritechsys.com

ICL Specialty Fertilizers

Nova PeKacid®

Formulation:
0% Nitrogen (N)
60% Phosphorous pentoxide (P_2O_5), watersoluble
20% potassium oxide (K_2O), watersoluble

How to get a solution:
10–15 Kg/100 L water

Example:

Water rate is 30 м³/h, thus 7,5 м3 goes through the system every 15 min. Apply 26–38 кг Pekacid into water for irrigation during the first 15 min of watering.

PeKacid

Pekacid - is a new mineral water-soluble fertilizer is intended for:

1. Softening water; 2. Fertigation of alkali-carbonate soil with high pH level 8-9; 3. Cleansing of drip tape.

Pekacid is a dry monocrystalline flowing powder, easy to use.

pH Control

1. Lowering pH and carbonate hardness of spray material

Apply 0,5-1 Kg of Pekacid / 1 m3 water for lowering of carbonate hardness and pH solution.

Fertigation

2. Fertigation with applying of Pekacid

Pekacid is used for fertigation for all crops on open ground and in green houses. Pekacid is specially effective on alkaline and neutral soil, also if irrigation water pH is more than 7, because phosphorus is hard to get in such conditions.

Add 100-500 g of Pekacid / 1 м³ water, depending on the crop, stage of development and weather conditions.

Pekacid is a nitrogen-free fertilizer. It allows to control nitrogen level in nutritional system, using the best nitrogen formulation and apply it depending on the crop stage development.

Pekacid can be mixed with calcium and magnesium.

Clean Dripper Effect

3. Application of Pekacid for cleansing of drip tape

It is necessary to dissolve 3,5-5 Kg of Pekacid / 1 м³ water. The required quantity of Pekacid solution should be calculated on the basis of water rate. For cleansing of drip tape it is necessary to keep solution in system minimum 15 minutes.

For checking water pH:

- Dip pH test strip into the solution for 2-3 seconds, then shake excess off and wait for 1-2 minutes;
- Compare test strip color with the color of pH scale on the package and read the descrition;
- For lowering pH of the spray material add 15-50 g Pekacid / 100 L water, then check pH meaning of the solution obtained.

Preparation water for fertigationwith optimal pH 5,5–6:

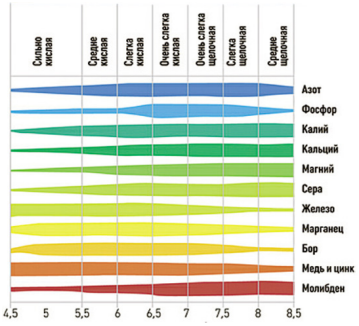
1. Dip $CaCO_3$ test strip into the water for 5 seconds, shake excess off and wait for 30 seconds.
2. Compare test strip color with the color scale and identify water hardness (°d) (*Picture of the water carbonate hardness scale*).
3. Add the required quantity of Pekacid (g/100 L water) on the basis of water hardness (°d) according to the table.
4. Check the meaning of pH solution with the help of test strips after fully dissolved of Pekacid.

Table for calculation of the necessary Pekacid quantity:

Water hardness (°d)	4	8	12	16	24
Pekacid, g/100 L water	15	30	70	100	170

Scale of carbonate hardness meaning:

0	4	8	12	16	24	°d
0	70	140	215	285	430	mg/L $CaCO_3$



pH influence on availability of macro and micro elements.

Example:

- Water hardness—10 dH, in the right column choose the meaning 50 g/100 L.
- Muddling the solution, add 50 g of Pekacid / 100 L water.
- With the help of test pH strips check pH of the final solution.

Nutritech System

Helping nature

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