



Nova PeKacid LQ 0-27-9

 Acidifying liquid concentrate perfect for when crops need a boost of phosphorus and potassium fertilizer

Description




Nova PeKacid LQ 0-27-9 is a concentrated liquid phosphorus fertilizer with a patented acidifying effect, made for calcareous soils and hard water. The base material for this liquid fertilizer, is our industry-leading Nova PeKacid™ 0-60-20, a solid form of phosphoric acid.

If you need a boost of phosphorus and potassium in a concentrated liquid form, our industry-leading **Nova PeKacid LQ 0-27-9** is ideal in a fertigation system for your open-field or soilless crops. Rich in phosphorus and potassium, it also has an acidifying effect which ensures your lines don't clog up. You could also use it in a tank mix with calcium and magnesium, thanks to its low pH which promotes compatibility between cations and phosphate in solution.

Guaranteed analysis

| | | |
|-------------------------------|--|-----|
| N | Total Nitrogen | 0% |
| P ₂ O ₅ | Phosphorus Pentoxide Water soluble (P ₂ O ₅) | 27% |
| K ₂ O | Potassium Oxide Water Soluble (K ₂ O) | 9% |

Benefits

-  Rich source of phosphorus and potassium
-  Acidifying effect prevents clogged lines and can clean fertigation systems
-  Simplified handling and storage characteristics (liquid concentrate)

Compatible with calcium-containing solutions

Application rates

| meq. bicarbonate in source water | ppm bicarbonate in source water | meq. bicarbonate to be neutralized | Gallons PeKacid™ LQ /1000 gallons | P ₂ O ₅ (lbs) from PeKacid™ LQ | K ₂ O (lbs) from PeKacid™ LQ |
|--|---------------------------------------|--|---|--|---|
| 0.5 | 31 | 0.0 | 0.00 | 0.00 | 0.00 |
| 1 | 61 | 0.5 | 0.07 | 0.22 | 0.07 |
| 1.5 | 92 | 1.0 | 0.15 | 0.46 | 0.15 |
| 2 | 122 | 1.5 | 0.23 | 0.68 | 0.23 |
| 2.5 | 153 | 2.0 | 0.30 | 0.91 | 0.30 |
| 3 | 183 | 2.5 | 0.38 | 1.14 | 0.38 |
| 3.5 | 214 | 3.0 | 0.45 | 1.36 | 0.45 |
| 4 | 244 | 3.5 | 0.53 | 1.59 | 0.53 |
| 4.5 | 275 | 4.0 | 0.60 | 1.82 | 0.60 |
| 5 | 305 | 4.5 | 0.68 | 2.04 | 0.68 |

Nova PeKacid LQ 0-27-9 may be used for formulating as well as direct soil or fertigation application. Use to treat soil or plant deficiencies in accordance with the recommendations of a qualified individual, institution, or apply according to the recommendations in your approved nutrient management plan. Nova PeKacid LQ 0-27-9 is acidic with a pH ranging between 1-2. Designed to be compatible with calcium solutions. A jar test for compatibility should always be performed prior to blending with other constituents.

Trial first on a small scale before changing the rate, or any other variables, As circumstances can differ and the application of our products is beyond our control, ICL cannot be held responsible for any adverse results

Weight per gallon: 11.2 lb

Nova PeKacid™ LQ 0-27-9 as a nutrition source in fertigation Add Nova PeKacid™ LQ 0-27-9 at a rate of 0.15-0.65 gallons per 1000 gallons, based on crop-specific needs and environmental conditions. Avoid mixing PeKacid™ LQ 0-27-9 with thiosulfate-based products. Fertigation with PeKacid™ LQ 0-27-9 increases the availability of other nutrients including micronutrients due to its acidifying properties.

Nova PeKacid™ LQ 0-27-9 as an acidifier for irrigation system cleaning Apply 6-8 gallons of Nova PeKacid™ LQ 0-27-9 per 1000 gallons of water within 15 minutes of irrigation. Continue to irrigate for at least 15 more minutes with clean water. For example, at an irrigation rate of 10,000 gallons per hour, 2500 gallons are passing through the system within 15 minutes. Inject -20 gallons of PeKacid™ LQ 0-27-9 into the irrigation water within the first 15 minutes of the irrigation cycle.

Nova PeKacid™ LQ 0-27-9 as a pH buffer of the fertigation solution It is recommended to keep 30-50 ppm bicarbonate in the irrigation water, for buffering the water to approximately pH 6.0. Under these conditions - Nova PeKacid™ LQ 0-27-9 at a rate of 0.15 gallons/1000 gallons of water will neutralize 61 ppm of bicarbonate. Nova PeKacid™ LQ 0-27-9 should be applied based on the bicarbonate level of the specific water. The table below indicates the amount of Nova PeKacid™ LQ to be added with different water quality analyses, and the P2O5 and K2O nutrition contribution for each level. It is based on a target of approximately pH 6.0. The density of Nova PeKacid™ LQ 0-27-9 is approximately 11.2 pounds per gallon, containing approximately 3.02 pounds P2O5 and 1.01 pounds K2O per gallon.

How to use

- 1 as a nutrition source in fertigation
- 2 as an acidifier for irrigation system cleaning
- 3 as a pH buffer of the fertigation solution

See application rates (above) for more details.

Attention

Contact your ICL advisor for more detailed advice. Trial first on a small scale before changing the rate, application, or any other variables. As circumstances can differ and as the application of our products is beyond our control, ICL cannot be held responsible for any adverse results.

<https://icl-growingsolutions.com/en-us/agriculture/products/pekacid-lq/>
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