

ACIDIFICATION OF HARD WATER WITH NITRIC AND PHOSPHORIC ACIDS

This acidification aims to leave 150 ppm bicarbonate in the water.

Add the quantity of acid below to 100 litres of stock and dilute at 1:100

The acid can be mixed in the same stock tank with water soluble fertilizers.

Nitric and Phosphoric acids can be mixed in the same tank **WHEN DILUTED.**

| Bicarbonate content | Acid Used | Quantity needed Litres | Bicarb. left in | nutrient added ppm N | Acid Used | Quantity needed Litres | Bicarb. Left in - ppm | nutrient added ppm P2O5 |
|---------------------|------------|------------------------|-----------------|----------------------|----------------|------------------------|-----------------------|-------------------------|
| | Nitric 60% | | | | Phosphoric 59% | | | |
| 150 | | 0 | 150 | 0 | | 0 | 150 | 0 |
| 200 | | 0.6 | 152 | 11 | | 1 | 148 | 60 |
| 250 | | 1.2 | 154 | 22 | | 2 | 146 | 121 |
| 300 | | 1.9 | 148 | 35 | | 2.9 | 149 | 175 |
| 350 | | 2.5 | 150 | 46 | | 3.8 | 152 | 229 |
| 400 | | 3.3 | 150 | 53 | | 4.8 | 150 | 290 |

