

pH Reducer



A safe, organic solution for lowering the pH of soils, irrigation water, turfgrass leaves and spray solutions. pH Reducer utilises citric acid to correct high pH situations as it is much safer to plants, animals and soil microbes than alternative products containing mineral acids such as hydrochloric or sulphuric acid. Citric acid will also not add unwanted nutrients such as sulphur (sulphuric acid) and chlorine (hydrochloric acid).



- pH Reducer will neutralise excess CaCO_3 in the rootzone, allowing nutrient ions previously held by CaCO_3 to become plant available, thus improving plant health.
- Citric acid plays a crucial part in photosynthesis in all plants and is essential in converting sunlight into useable energy.
- pH Reducer can buffer the pH of a spray tank. Many pesticides require an acidic pH to maximise efficacy.
- Many irrigation sources, mains water, borehole or river, have a higher pH level than ideal for turfgrasses. pH Reducer offers an economical method of acidifying supplies.
- Reduces leaf pH to prevent disease spread.
- Can also be used on ornamental plants where a lower soil pH is required.

Product	Pack Size	Rate	Water Volume
pH Reducer	10 litre	6-20 ltr/ha	200 - 600 ltrs/ha

Usage Period												
Product	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
pH Reducer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

SUPPLY | CONSULT | SUPPORT

pH Reducer



- The safest material available for correction of alkaline pH situations. Will not damage beneficial microbes like mineral acids and actually contains carbon so it will feed these microbes too.
- Apply at a high water volume (600l/ha) with a coarse spray so the product is targeted at the soil for soil applications. For leaf pH reduction for disease inhibition, apply at 200 - 300l/ha with a fine spray to 'coat' the leaf.
- Can be tank-mixed with other soil-targeted products such as wetting agents and biostimulants.
- Range of application rates from 6-20l/ha dependent upon current pH situation and speed of correction required.
- Reduce requirement of nutrition by releasing locked up nutrients held by CaCO_3 .



- **When used as a tank-mix buffer, always spray within 6 hours of mixing as pH can drift up over time.**
- **Do not tank mix with living microbes as the very low pH in the spray tank is not conducive to microbial survival.**
- **Do not allow to freeze.**

Issue	Suggested Tank Mix (per ha)
Fine turf rootzone with an alkaline rootzone, e.g. new construction built on sands with a high pH	Apply monthly applications of pH Reducer at 6-20l/ha (dependent upon pH and rate of correction needed). Test soil pH after 6 months and adjust accordingly.
Applying a pesticide requiring acidic pH and low bicarbonates using mains water in a hard water area.	Initially add 80ml of pH reducer to 600 litres of water BEFORE adding any chemicals. Measure pH using a pH meter or litmus paper and add further 80ml increments until an acceptable pH has been reached.
Alkaline irrigation water.	Initially add 80ml of pH reducer to 600 litres of water. Measure pH using a pH meter or litmus paper and add further 80ml increments until an acceptable pH has been reached.
Reducing disease on all turf.	Apply at 10l/ha in conjunction with 10-30l/ha X-xtra Iron and TKO Phosphite as a fine spray at low water volume (200 - 300l/ha). pH Reducer

SUPPLY | CONSULT | SUPPORT