**WHAT IS SOIL ACIDIFICATION**

*When there is a buildup of H\(^+\), the pH of your soil decreases causing acidification.*

1. **What is soil acidity?**
   - pH expresses the activity of the hydrogen ions in the soil solution.
   - Soil pH is an important parameter that influences different soil factors, affecting plant growth and microbial communities.

2. **Some causes of soil acidity**
   - Decrease in soil pH = elements more soluble and toxic (ex: Aluminium)
   - Decrease in soil pH = growth inhibition of root uptake
   - Decrease or change in microbial community
   - Decrease in soil microbial activity

3. **How does soil acidity negatively impact your soil?**
   - A decrease in soil pH can lead to key plant nutrients becoming unavailable.
   - Aluminium toxicity is one of the symptoms.
   - Bubbles or foams in your soil indicate high acidity.

4. **Is your soil acidic or alkaline?**
   - Use simple methods from our manual to test your soil.
   - Soil testing methods manually.
   - Let’s check together using this simple method that you can do at home!

**Step 1**
- Put some of your soil in a cup and add some water.
- Mix it into a paste.

**Step 2**
- Add baking soda. If the mixture fizzes, forms bubbles or foams your soil is acidic.

**Soil Testing Manual**
- A farmer-to-farmer training program.
- Using this simple test you can do at home to check the pH of your soil.

**Check out the pH test kit for more information.**

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