

## Easy Method for Organic Fertilizer to Turn Dry Leaves into Garden Gold

M.Santhosh Kumar<sup>1</sup>, A.Mariselvammurugan<sup>2</sup>, S.Manickavasagam<sup>3</sup> and M.Ponmani<sup>4</sup>

<sup>1</sup>M.F.Sc Research Scholar, Central Institute of Fisheries Education, Panch Marg, Off. Yari Road, Versova, Andheri (West), Mumbai, Maharashtra

<sup>2</sup>M.F.Sc Research Scholar, Kerala University of Ocean Studies, Panangad, Kerala

<sup>3</sup>Assistant Professor, TNJFU – Directorate of Sustainable Aquaculture, Thanjavur Centre for Sustainable Aquaculture, Thanjavur, Tamil Nadu

<sup>4</sup>Ph.D. Research Scholar, Department of Aquatic Environmental Management, TNJFU – Fisheries College and Research Institute, Thoothukudi, Tamil Nadu

### SUMMARY

This document introduces a practical approach to utilizing dry leaves as a valuable resource in gardening through composting. Exploring the necessity for organic fertilizers and the benefits of composting, it elucidates a step-by-step guide for creating nutrient-rich compost from dry leaves and household waste. Emphasizing the environmental and economic advantages of composting, the abstract underscores its role in enhancing soil fertility, promoting sustainable gardening practices, and reducing reliance on chemical fertilizers. By encouraging the transformation of seemingly worthless garden waste into a valuable asset, the abstract advocates for a greener and more resourceful approach to gardening.

### INTRODUCTION

In gardening, it's true that what one person considers garbage can be treasure for another. You may see an abundance of dry leaves strewn across your yard if you look around. Don't write off those parched leaves as just fall foliage; try this easy yet powerful method to turn them into garden treasure and make your own organic fertilizer.



### Why do we need organic fertilizer?

Using organic fertilizers has several advantages, including better soil structure, a greater ability to hold water, and a seasonally consistent supply of nutrients. Using organic fertilizers in our gardens is something we are frequently recommended to do. Organic fertilizer is said to be the finest for plants everywhere you go but they are quite expensive, so we discuss here about the simple method of producing compost from the dry leaves left in our garden

### What do you mean by compost?

Compost is described as a crumbly pile of rotten organic matter formed from decayed plant material. Dry leaves can be used to make highly effective compost that provides vital nutrients for plant growth.

## The Hidden Potential of Dry Leaves

While some may find dry leaves annoying, astute gardeners can uncover a treasure trove of nutrients within them. These leaves, which are frequently thought of as a nuisance to clean up, can actually be turned into a useful resource that improves plant health and nourishes your garden.

**Easy way to produce compost** neither sophisticated machinery nor a green thumb is needed to convert dry leaves into organic fertilizer. A little space, some time, and some patience are all you'll need. Here is a comprehensive guide to help you get started.

- a) **Collect the Dry Leaves:** Collect your yard's dry leaves, being careful to ensure they are free of chemicals or pesticides.
- b) **Build a Pile of Compost:** Choose a location in your garden that works well for your organic fertilizer project, or utilize a compost bin.
- c) **Layer and Mix:** Mix dry leaves with various household trashes like eggshells, coffee grounds, and fruit and vegetable peels in alternating layers. This kind guarantees an even distribution of nutrients.
- d) **Make Regular Turns:** To aerate the compost pile, turn it every several weeks. This inhibits offensive odours and hastens the breakdown process.
- g) **Exercise patience:** Give the compost pile time to decompose. Since the magic unfolds gradually, patience is essential.



## Benefits of Composting in Your Backyard

**Cost-Effective:** Make use of free materials in your backyard to save money.

**Environmentally Friendly:** By repurposing organic matter, you can reduce waste and establish a sustainable gardening practice.

**Rich in nutrients:** The compost that is left behind is a nutritional powerhouse that enriches your soil and supplies vital components for plant growth.

**Better Soil Structure:** Compost aids in improving the drainage and water retention of the soil.

**Decreased Requirement of Chemical Fertilizers:** Adopt a natural gardening strategy and reduce the amount of artificial fertilizers you use as they may have negative environmental effects.

## CONCLUSION

Thus, the next time you see dry leaves all around you, don't think of them as a waste. See the opportunity for garden gold instead. You may transform those seemingly worthless leaves into an invaluable, nutrient-rich organic fertilizer with a straightforward composting technique. You'll be happy you adopted an environmentally conscious and sustainable gardening method, and your garden will thank you for it.

## REFERENCE

<https://plantsinformation.com/transforming-dry-leaves-into-garden-gold-a-simple-trick-for-organic-fertilizer/>