Best DIY Fertilizer Mix Recipe: Universal All-purpose Mixed Fertilizer Powder

The strategy of combining mixed organic and inorganic fertilizers orchestrates a symphony of benefits, uniting the advantages of both. This approach is grounded in the understanding of NPK proportions and micronutrient ratios, ensuring plants receive a balanced nutritional boost. The goal is to concoct a universal, balanced fertilizer that caters to general plant needs. To embark on this journey, familiarize yourself with the approximate NPK values of each organic ingredient to achieve an optimal final blend

Organic vs. Chemical Fertilizers

Dissolution dynamics set organic and inorganic fertilizers apart. While the former dissolves gradually, the latter stands ready for immediate action. The fusion of these fertilizers fine-tunes nutrient availability, mitigating the risks associated with excessive chemical use. The judicious use of chemical fertilizers in smaller quantities curbs potential harm.

Simplified for Home Gardening

For home gardeners, this concoction isn’t an intricate equation. Create a balanced, all-purpose mixture comprising both organic and inorganic components. Apply around 1 tablespoon of this mixture after tilling or raking the soil surface, placing it near the plant but not directly at the root. Administer this blend every 15 days to a month, adjusting dosage based on plant observation.

Crafting a 10kg Mixture

For a 10kg mixture, embrace this recipe: introduce 200g of Urea, 500g of NPK powdered crystals (or a water-soluble alternative), 500g of DAP, 2000g of cow dung powder, 2kg of vermicompost (which you can extend to 3 or 4kg if necessary), 1kg of bone meal, and optionally include 500g each of neem cake and karanj, or 1kg of either. To enhance flowering, add 1kg of mustard cake powder. Introduce 200g of Epsom salt and fortify the mix with micronutrient powder to safeguard against deficiencies. Ensure a thorough blending for optimal results.

Storage and Application

This blend offers flexibility in usage. Opt for completely dry ingredients or dry the mixture before storing it in airtight containers. A potent mixture, it adeptly balances the pros and cons of chemical fertilizers, ultimately saving you time and energy. By providing a comprehensive nutritional package in a single application, you’re bestowing your plants with the best of both worlds.