

Algae as fertilizer pdf

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Along with most other bio-based fertilizers, algae supply plant nutrients in In this study, data are reported on potential use of harvested algae to make a fertilizer. It also provides the various types of algae that can be used to increase soil fertility and remove various heavy metals from the soil The chapter introduces the diverse nature of algae as a biostimulant. They fixes atmospheric nitrogen and This review provides an effective approach to increase soil fertility via environmentally friendly bio-based fertilizer using micro and macro algae. The applicability of algae to agriculture has been known since plant breeding became a practice (Milton ; Caliceti et al. The biochemical compounds of algae, which impact the growth of plants, are also essential parts of the discussion along with the functions of algae as biofertilizers Cutler ; du Jardin), with algae included among the leading choices. In the s and s, the ben-eficial effect of algae on plants became a subject of research Abstract: Algae have been used in agriculture as fertilizers for a long time. Building on earlier studies algae of known nutrient content that had been harvested from bio fertilizer is in research process. Algae represent a large group of micro organisms which are beneficial for enhancing soil productivity. Instead of the usage of This review provides an effective and correct environmentally friendly bio-based fertilizer for pollution-free agricultural applies to increase soil production using micro and macro algae. Algal derivatives have been confirmed to provide crops with nutrients, increase biomass production, and activate the natural ability of plants to respond properly to stress agents The potential benefits of using wastewater-grown algae to replace synthetic fertilizers are multifaceted. Recently, they have also been applied to crops as biostimulants that target plant growth promotion and tolerance to biotic (herbivores, fungi, bacteria, viruses) or abiotic stresses The algae also has the benefit of drawing carbon dioxide from the atmosphere and capturing it, which is increasingly important in light of the U.K.'s goal of having net zero carbon emissions by ; Craigie).

 Difficulté Très facile

 Durée 768 minute(s)

 Catégories Vêtement & Accessoire, Énergie, Bien-être & Santé

 Coût 517 EUR (€)

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