

ABC Grower: Biomineralization of weeds for soil improvement

Solar-Powered, Cost-Effective, and Ecologically Smart BioFertilizer for Thriving Crops and Sustainable Agriculture

ABC Grower is a biotechnology that extracts nutrients from weeds using positive microorganisms (EM). These nutrients are formulated to enhance crop growth, tailored for tropical soils. Powered by solar energy, it reduces fertilizer production time from 60 to 14 days, lowers costs by 10 to 20 times, and adds economic value to weeds for farmers.



SOCIETE DE DEVELOPPEMENT DE L'AGRICULTURE DURABLE (SDAD SARL) Bienvenu Chabi ADJE

economic value to weeds for farmers.		Commodities
U This technology is pre-validated.	9·8 Scaling readiness: idea maturity 9/9; level of use 8/9	All Crops
Gender assessment	Climate impact	Sustainable Development Goals 2 RERO 13 SUMME 5 GENER
 Problem Climate change accelerates land degradation, threatening agricultural productivity and food security. Farmers using chemical inputs face poverty an environmental risks from heavy metal accumulation. Low adoption of compost in organic farming it due to lengthy production time, high water and labor requirements, and logistical challenges, where the back the security of the security of the security. 	 surpassing conventional methods. Solar Energy: Solar energy reduces organic fertilizer production time from 60 to 14 days, simplifying production. Economic Valorization: Weeds in fields gain 	Categories Production, Inputs, Fertilizer Tested/adopted in
including high costs and quantity demands.	economic value, benefiting farmers economically.	Adopted Tested Testing ongoing
Key points to design your project		Where it can be used
Key points to design your project To integrate this technology into your project: 1. Raise awareness among farmers about its bene 2. Ensure equitable access and financial support 3. Calculate required quantities based on an initia 4. Consider delivery costs, import clearance, and 5. Provide training and support for project install 6. Develop communication materials. 7. Collaborate with agricultural development inst	fits. for local suppliers and smallholder farmers. al cost of USD 8 per unit. duties if applicable. ation.	
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