

Preliminary Proposal

project title

Construction of Vermicompost site

The current method and pattern

In many countries, the excessive use of chemical fertilizers, in addition to causing many diseases and epidemics for humans and plants, has also had a profound effect on our soil and water resources, so that the soil of some of the regions once was one of the best soils. It has become a piece of pottery. While the use of fertilizers that are organic and organic, they can not only eliminate the need for farmers to supply their soil nutrients, but also improve soil. This is a danger to producers, which doubles the importance of organic crops.

The proposed method and pattern

Today, in many countries today, the debate about the percentage of chemicals in agricultural products or organic farming is very much considered. The huge difference in prices between organic products (products that have not been used to produce them from any chemical) and inorganic (products that produce chemicals such as chemical fertilizers, pesticides and chemical hormones, etc.). This is a clear indication in these countries. Also, the establishment and establishment of control and standard agricultural institutes in terms of the amount of chemicals used in these products has increased the importance of organic farming, which should be increasingly considered in all countries. The policy of agricultural organizations and governments has, in recent years, taken the organic side. Agricultural-related organizations have reduced fertility quotas and increased prices of these products to farmers for the untapped use of chemical fertilizers to increase their productivity.

The problem design and the necessity of research

Millions of tons of organic waste are buried or burned annually, and, in addition to generating many environmental problems, huge costs are incurred for the transportation, burial or burning of garbage. In landfill, in addition to the problems and dangers of entering nitrates and other pollutants into groundwater, the occupation of more space by waste is

another disadvantage of this method. One of the most important methods of urban waste recycling is vermicompost. As a result of this process, in addition to reducing health and environmental problems, significant quantities of organic fertilizers, called vermicompost, are produced. In 2003, the production of vermicompost in Iceland was estimated at one million tons. In India, with 10,000 workers, it 50,000 tons of vermicompost per month. Cuban farmers have grown to produce and consume vermicompost, which uses fertilizers instead of chemical fertilizers. While in many countries, with problems such as unemployment, organic matter shortages in the country's soils, the cost and environmental problems of chemical fertilizers and ... Farmers are still not familiar with the name of vermicompost. The use of vermicompost production is important in two directions: first, a large amount of organic waste is recovered by this method, and it is important from the economic and environmental point of view. Secondly, the use of vermicompost produced in agricultural land improves the quality of soil and plant growth, which can be very costly.

Expected goals and outcomes:

Main objective: Reducing health and environmental problems

Other goals:

The production of organic fertilizers enriched and useful for the building and improvement of soil nutrient elements

Scheduling of the project implementation stages:

Vermicompost's economic outlook, taking into account 5 years of work that produces at least twice every year.

Cost Analysis:

Includes depreciation, maintenance and repair costs before operating (cost of providing justification and marketing studies and marketing studies

Investment: Including: 1. Fixed investment (land of project location, water split, water supply, water pump, work equipment, etc.). 2. Current investment plan (animal manure, colch, meal, sack, laborer and technical equipment And mechanical)

Service description: - Required location, technical equipment, furniture of the site, costs, capital

Required qualifications: Educated people, especially in agricultural engineering, simple worker, accountant, environmentalist.