

Organic Fertilizer Program



Excessive farming and use of chemical fertilizers have damaged soil fertility of Bangladesh. GS has undertaken a program to develop organic fertilizers from slurry and market these as a supplement of chemical fertilizers through entrepreneurs. Selected entrepreneurs will promote, and distribute GS developed organic fertilizers while GS will provide the required technical assistance and ensure quality control. Slurry – the byproduct of biogas has the ability to safeguard organic materials such as nitrogen, phosphorous, and potassium, which increases it's standard as a fertilizer and ensures higher agricultural production. Soil Research Department of University of Dhaka, Bangladesh Agriculture University

has verified that organic fertilizers developed by GS have very little harmful ingredients. Especially, GS organic fertilizers produced from poultry litter are very good for acidic soil and helps to reduce acidity and aluminum poisoning.

GS has signed agreement with two organizations to manufacture and promote organic fertilizers. This is the first step towards the implementation of GS's goal to provide Bangladeshi farmers with environment friendly, high quality organic fertilizers. GS hopes to sign similar agreement with more organizations in the future. Manufacture and marketing of organic fertilizers can be a viable business in the context of Bangladesh. A 3 ,m3 cow dung based biogas plant can produce more than 8 thousand kilograms of slurry which is equivalent to 224 kg of urea, 1120 kg of TSP and 114 kg of mp fertilizer. An entrepreneur can earn Tk 16,000 from selling this slurry at a minimum rate of Tk 2. per kg.