

ABSTRACT

A method and system is disclosed for transforming organic waste to a dry organic fertilizer comprising the steps of: mixing about 80% by weight of an organic waste with about 20% by weight of an organic moisture reducing agent and about 0.1% by weight of a fermentation agent to form a mixture; fermenting the mixture at a temperature of about 70-80° C for about 9-12 hours; and simultaneously pasteurizing and drying the mixture at about 80-95°C for about 2.5-5 hours; wherein the organic waste may be transformable into an organic fertilizer comprising organic matter of more than about 45% and an NPK value of more than about 5%. Such an organic fertilizer has a Nitrogen content that is greater than 1.5%, a Phosphorus content that is greater than 2.5%, and a Potassium content that is greater than 2.5%.

[Figure 4]