

METHOD AND DEVICE FOR PRODUCING FEED STUFF OR ORGANIC
FERTILIZER FROM EDIBLE WASTE MATERIAL THROUGH LOW TEMPERATURE,
NATURAL FERMENTATION AND DRYING PROCESS

ABSTRACT

A method and device for producing feed stuff or organic fertilizer from edible waste material, such as domestic and commercial food waste products in addition to marine, livestock and agriculture by-products resulting from the commercial production of food items, through a low temperature, natural fermentation and drying process is disclosed. In an embodiment, two mixing/crushing screw feeder units are inclinedly arranged within a chamber with the inclining directions of the two units being opposite to each other. Two mixing screw feeder units individually and downwardly extend from the overlapping inclined end of one of the two mixing/crushing units to the underlapping declined end of the other mixing/crushing unit. In another embodiment, two oppositely rotatable screw feeders, individually consisting of a drive shaft with two helical screws rotating upon the shaft in opposite directions, are horizontally arranged in the chamber.

FIGURE 1