

D_Organika - Organic Liquid Fertilizer Manufacturing Process



back bags only

Anerobic Bag:

- Bio-degradable composting bag.
- Bag Size: 5 x 20 feet, Capacity 10 cubic.
- Used for making liquid Fertilizer for organic farming.
- 20 feet long bag with an inlet and outlet openings.
- 200-liter plastic drum with 90 mm pipe connection.
- Low-cost solution.

Pesticide Production Process:

- Initial decomposition period: 70 days
- After first decomposition cycle:
 - Add 200 liters of material
 - Extract 200 liters of liquid fertilizer daily
- **Ingredients** : Kitchen waste, Cow dung slurry, Cow Urine, buttermilk, molasses, extract of various organic Nutrition plants and water in proportion of formula.
- The mix is added to the bag where the solid mix is converted into liquid and fermentation process.
- The Anaerobic digestion also leads to evolution of bio gas.

Benefits:

- Increases soil Productivity, quality, and fertility.
- Improves root proliferation.
- Harnesses N₂ from the atmosphere.
- Contained microorganisms break down organics into fertilizer.
- Increase photosynthesis in plants/crop.
- Increases Renewable sources of plant nutrients.
- Reduces Water stress resistance.
- Reduces plant diseases and pests.
- Increases crop yield as well as weight both in greenhouses or in farms.
- Increases Nutrient release.
- Increases grass and plant resistance to diseases and insect attacks.
- Low salt concentration (does not burn plants).
- Promotes a healthy soil ecosystem.