

TAAT e-catalog for dev partners

Value Addition to Poultry Manure

Transforming waste into wealth

Value Addition to Poultry Manure transforms chicken manure into nutrient-rich organic fertilizer. Composting detoxifies the manure, enhancing soil fertility and reducing reliance on chemical fertilizers.





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Technology from

ProPAS

Commodities

Poultry

Sustainable Development Goals





Categories

Production, Pre-production, Practices, Animal waste management

Best used with

• Biosecurity for Disease





Where it can be used

This technology can be used in the colored agro-ecological zones





This technology is **TAAT1** validated.

Gender assessment



Problem

- Pathogens and Unpleasant Odors: Fresh chicken manure can contain harmful pathogens and emit an off-putting odor.
- Underutilization: Chicken manure is often unused due to these issues.
- Environmental Impact: Large-scale poultry farms generate significant manure, leading to unpleasant odors, groundwater pollution, and methane emissions.

Solution

- Pathogen-Free Organic Fertilizer Production: Converts chicken manure into safe, nutrient-rich organic fertilizer through composting, ensuring plant health and human safety.
- Sustainable Environmental Impact Mitigation: Transforms raw chicken manure into valuable organic fertilizer, reducing odors, preventing groundwater contamination, and mitigating methane emissions.
- Cost-Efficient Waste Management: Repurposes chicken manure into valuable organic fertilizer, reducing waste management costs and enhancing overall farm profitability.

Cost: \$\$\$ 5,000—10,000 USD

drying and pelleting equipment

30,000 USD

3,000 USD

15 m3 anaerobic digester able to process 300 kg of poultry manure per day

 \bigcirc_{IP} Open source / open access

15 ton per hour



