

BOKASHI PIGGERY – all you need to take out is pigs!!



WHAT IS IT?

- Bokashi – Japanese word meaning fermented organic matter.
- Uses IMO to promote growth and management of healthy pigs.



What does IMO do?

- Suppresses offensive smell of manure
- Prevents flies in pen
- Reduces fatty layer under skin
- Produces robust pigs which do not need inoculation of antibiotics
- Improve the digestive system of the pigs



What is the secret of success

- Proper construction of shed
- Control of moisture
- Proper feeding (main meal two hours before sunset)
- Proper management of floor
- Air circulation is vital
- Minimum weight 80 Kgs in 6 months



The Home. Make it next to your bedroom!!

- 8mx4m for 20 fatteners or 6 sows. Approx. 16 sq.ft. per pig.
- Roof like any other pen.
- Walls 2ft above ground- pigs should be able to look out when standing



The Floor

A hole in the ground with a depth of at least 3 feet



What goes into the hole of the flooring

- Saw dust 40%
- Dried biomass 10%
- Rice bran, rice husk 20%
- Good soil 20%
- Rice husk charcoal or other charcoal 10%
- Sprinkling of black salt, bamboo vinegar
- IMO



Flooring

- All ingredients are thoroughly mixed.
- Water is added – 60%
- This moisture content is the most suitable for the IMO to multiply
- If extra moisture is present, it will smell



Introduction of the pigs.

- After levelling the floor wait for one week for the IMO to multiply.
- Introduce the pigs
- If they start using their snouts and are relaxed it is a good sign



Management

- It is essential that the flooring is kept levelled and soft. This requires 15 minutes a day.
- Main meal is 3 hours before sunset – mixture of agro waste and rice bran which is fermented
- Morning meal should be greens and grass.
- Feed should be placed in one corner and water in the other- pigs are forced to exercise
- For other details – contact the local pig expert



Ready for the table

- After 6 to 8 months for fatteners.
- Compost from the piggery can be used for organic farming @ 1Kg per sq. mt.
- For paddy 120 Kg/bigha
- Compost may also be used as fish feed



The shed can be divided for sows,
piglets and fatteners



Low Cost Poultry

- Construction can be the same as Bokashi Piggery.
- 10ft x10 ft for 100 birds
- Depth of floor can be about 6 inches.
- Good soil 4 inches
- Prepare rice husk charcoal on floor – spread it
- Put about 2 inches of cut rice straw and IMO



Low Cost Poultry

- Moisture content of floor 25%
- Birds are 1.5 kg in 40 days.
- The flooring can be used for three cycles and then it is available for organic farming.
- Profit Rs. 1800=00 after 40 days
- Feed can also be prepared from sawdust



What is needed

- Land : 240 sq. ft for 12 fatteners
- Easy access to piglets, feed, veterinary services, saw dust.
- Market
- Rigorous training : initial training for 2 days.
- Follow-up by Barefoot Supervisors

Key to success

- The poor can be efficient pork/poultry producers when the right investments in them are made.
- Making available technologies and advantages related to economies of scale adaptable to the context of the poor.
- Need to ensure adequate skill development of producers and generation of local capacities to respond to producers demands.
- Need to enhance cost effectiveness by augmenting producer's performance, ensuring a single window procurement process and establishing robust backward-forward linkages

Training

- Tura and Shillong
- Initial Training 2 days for Bokashi – Maybe an extra 2 days if you need to include training in SHG, federations, Cooperatives, Veterinary services
- In Tura we charge Rs. 500=00 per day per client which covers all charges.
- For professional charges we charge Rs. 2000=00 per day, exclusive of travel
- It would be worth exploring the possibility of engaging Pradhan to do a feasibility study in one District