

Brief Description of the Technology

The Poultry Maize Feeder-cum-Drinker system utilizes gravity to dispense grains through a restricted aperture, providing a practical solution for handling and feeding maize to birds.

Dimensions:

- **Length:** 60 cm
- **Width:** 60 cm
- **Thickness:** 4 cm
- **Wire Mesh Gap:** 2 cm
- **Base Stand:** 2 cm

Materials Used:

- Wood (2 cm thick)
- Aluminum sheet
- Two plastic bottles
- Wire mesh (0.5 inch, 19 gauge)



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POULTRY MAIZE FEEDER CUM DRINKER



Design Registration Number-330514-001

Technology Certified by ICAR



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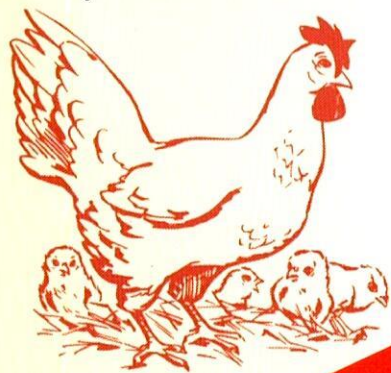
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Background

In traditional practices, a significant portion of the maize harvest is preserved for backyard poultry. The maize cobs are often hung by strings near the fireplace or in the loggia, where they are shelled by hand and broadcasted in the backyard to feed the birds. This method leads to several issues: dominant birds receive the majority of the feed due to their pecking behavior, fungal growth in maize during summer exposes birds to mycotoxins, and there is a lack of affordable and suitable feeding and drinking equipment in remote rural and tribal areas.

Broadcasting maize results in uneven feed distribution, which affects the health and productivity of the poultry. The Poultry Maize Feeder cum Drinker addresses these problems, catering to the needs of backyard farmers.



Prototype



About the Technology

The Poultry Maize Feeder cum Drinker is designed to provide an efficient and hygienic feeding solution for backyard poultry. The system uses vertical drainage of grains through a restricted aperture by gravity, which has several advantages:

- **Prevents Fungal Growth:** Shelled maize is exposed to sunlight and air, hindering fungal growth
- **Eliminates Regular Shelling:** The design allows maize to be stored and dispensed without the need for regular shelling
- **Visual Quantity Assessment:** Marked side bars enable easy visual assessment of the remaining maize
- **Self-Dispensing Mechanism:** Birds can peck to self-dispense grains, reducing aggressive behaviour
- **Easy Refilling:** A funnel is provided for easy grain pouring
- **Water Provision:** Two drinkers ensure that birds have access to clean water
- **Medication and Supplementation:** The system allows for easy administration of medicines and supplements
- **Cost-Effective and Portable:** Accommodates 12-15 birds per feeder, is easy to handle, and eco-friendly