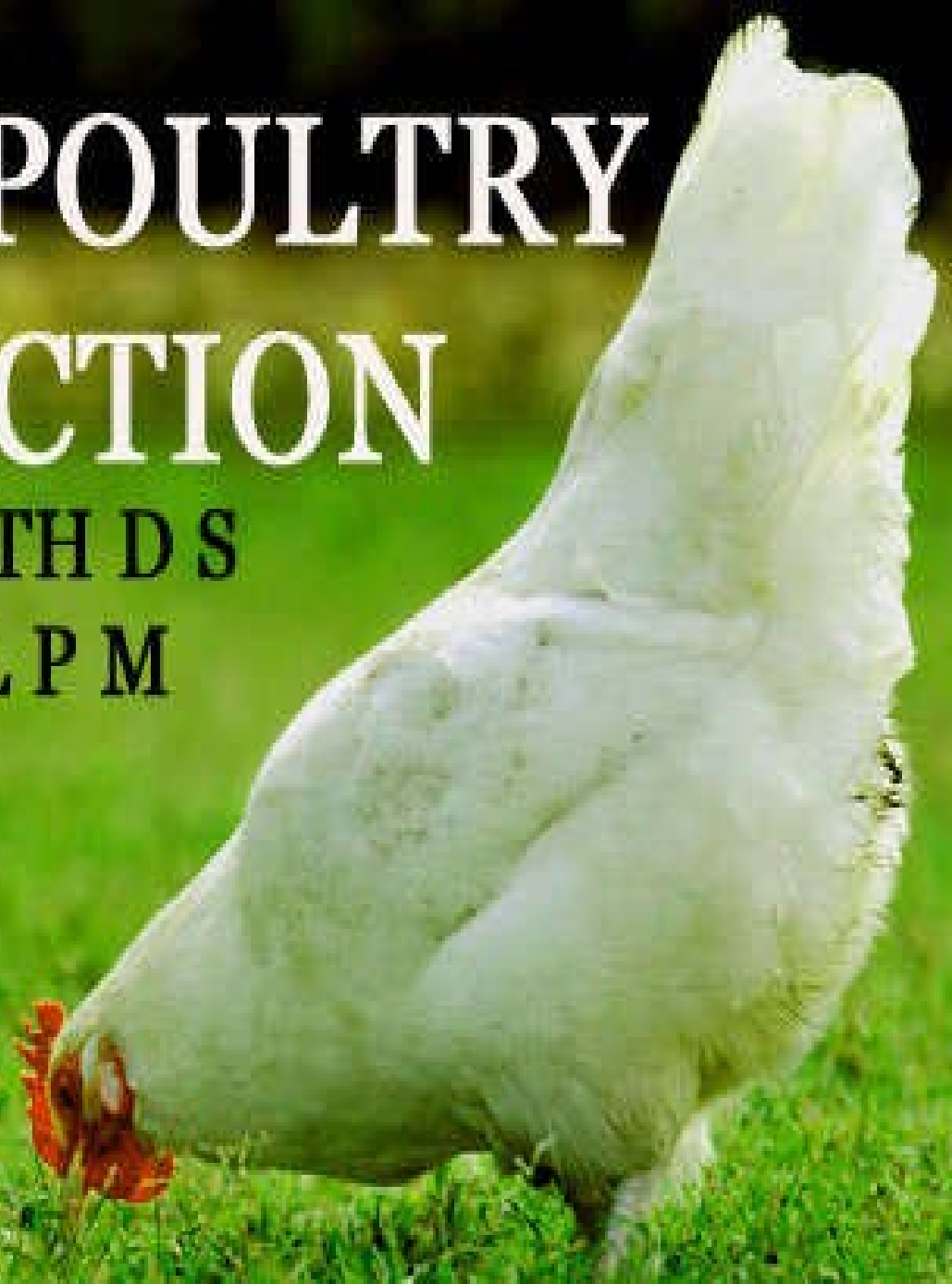


ORGANIC POULTRY PRODUCTION

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WHAT IS ORGANIC FARMING

Way of growing food in harmony with nature.

Started from vedas

live partnership with nature without exploiting it.

Vrikshayurveda, krishishastra, mrigasastra



Organic production focus on animal health and welfare good environmental practices and product quality.

HOW TO BE ORGANIC ?

It include 3 synergistic steps

- vegetable conversion
- animal husbandry conversion
- ideological conversion farmer
- First two are technical and third is holistic /mental.

METHODS IN ANIMAL HUSBANDRY

- Access to the environment.
- Access to the pasture.
- Natural maintenance of shelter.
- Avoidance of synthetic substances.

ORGANIC POULTRY

- Rearing of birds without cages
- Outdoor access
- Organic feed
- Natural treatments



BREEDS & VARIETIES

INDIGENOUS BREEDS

Kadaknath ,Nicobarifowls,aseel

DEVELOPED VARIETIES

Giriraja- From a broiler breeding programme
white plymoth rock,red cornish,new hampshire

Vanaraja- PDP,1998 Red cornish lines

Gramapriya- white leghorn female line,
egg production,tanduri meat.

CARI-Gold- RIR♂ X WL ♀

A SECOND PHASE IN BREEDING

- **KRISHNA-J** JNKVV Jabalpur ,dwarf gene population
 - **CARI-nirbeek**
 - **CARI- shyama**
 - **UPCARI**
 - **HITCARI**
- aseel,kadaknath,naked neck,
frizzle,delham red breed.
- **RAJASRI** - AICRP on Poultry Breeding, Sri Venkateswara
veterinary university,hyderabad



KRISHIBRO



VANARAJA



SWARNADARA



HITCARI



CARI-SHYAMA



UPCARI



RAJASRI



NIRBHEEK CARI

HOUSING

- Protection, comfort temperature
- Clean bedding , exercise, natural behaviour
- Stocking density: **0.14 sq.m/bird**
- No limit in no: of birds in one house.
- Flooring should have litter for scratching by birds.



HOUSING

- Temporary housing of birds can be done for....
- Bad weather, production stage
- Unhealthy
- Chicks in brooding ages
- Organic pullets are not provided outdoor access until they are ready to lay.



PHOTOPERIODISM

- Artificial lighting is permitted..
- 8hr lighting..
- Should not increase more than 16 hrs..

LITTER MANAGEMENT

- Allow the bird to eat if litter is organic but most poultry litter are not.
- Moisture controller like sodium bisulfite are not allowed
- Hydrated lime can be used
- Don't allow the birds to graze in crops that are to be harvested within 90 days.

PREDATOR & RODENT CONTROL

- Poultry should be protected from predators both indoors and outdoors
- Electric fences for outdoor and indoor.
- rodents - habitat reduction and physical exclusion from facilities and feed
- Mechanical and physical methods traps, electric fences adhesives and fans.
- cholecalciferol & sulfur dioxide as an underground smoke bomb.

TREATMENT

- Vaccines are allowed.
- Probiotics are often used.
- Antibiotics treatment is must not be withheld if birds need

these birds are diverted in to non organic markets

PARASITICIDES

- **NO** Synthetic paracitides,
anticoccidials
- **YES** Pyrethrum for mite ,garlics,
linseed oils,turmeric

FEED

- **PCF (Physiologically correct feed)**
- **Micro Fine - STF (Salmonella Termination Factor)**
- **Micro Fine - H2O (pH based Water Sanitizer)**
- Only synthetic amino acid used **SYNTHETIC METHIONINE**

MANAGEMENT PRACTICES

- **NO** Debeaking for pecking.

Hanging roughages & providing it in baskets.

Sanitation

- Chlorine, iodine, hydrogen peroxide, peracetic acid phosphoric acid.
- Chlorine level not more than 4ppm

ORGANIC MEAT

- Higher breast drumstick %.
- Low level of abdominal fat.
- High WHC.
- High cooking loss
- High Fe, PUFA

PPP MODEL FUTURE STRATEGY

ICAR/SAU R&D



PRIVATE HATCH:CHICK PROD



CHICK REAR UNIT



FARMERS



THANK YOU!!!!