

Antimicrobial Resistance (AMR): Animal Husbandry Sector

**Livestock Health Division
Department of Animal Husbandry, Dairying
& Fisheries**

AMR Challenges-India

- Inadequately regulated use of antibiotics (human as well as veterinary sector)
- Use of antibiotics as growth promoters in livestock and poultry (AGP)
- Inadequate implementation of regulations
- Limited regulations for food animals (but no regulations in non-food animals)
- Big Pharma industry have inadequate effluent treatment
- Inadequate interaction among clinicians & laboratory experts, Veterinarians, environmentalists
- Poor infection prevention and control in health care settings
- Use /availability of poor quality antimicrobials

DAHD-ICAR-DCGI-FSSAI

- Technical inputs and suggestions on usage of antibiotics in food producing animals
- Use of antibiotics in feed
- To develop animal feed standards
- MRLs for drugs, pesticides
- Regulations of animal feed supplements and growth promoters

**Communication to States, Industry and other
stake holders for compliance and
prohibition/regulations**

Issues –Dairy Sector

- Lack of awareness
- Non availability of Technical support at all times and places
- Small scale backyard system: No concern with health issues
- Treatment by owners and non professionals
- No checks on sales of drugs and feed
- Local manufacturing industry

Suggestions

- Awareness programmes
- Training to professional and support staff
- Strict implementation of regulations in respect of sale, storage and entries
- Implementation of prescription sale
- Education to dairy sector and farmers in respect of withdrawal period and usage
- Organized Farms to display the daily treatment details and feed compositions
- Regular audits of feed and pharma industry.
- Correct diagnosis of health issues
- Availability of permitted drugs at all times at proper price.
- Steps to check treatment by owners and non professionals
- Purchasing/sale of dairy product based on the testing results

Strategic Priority

- **Financing for AMR:**

- ✓ RKVY-RAFTAAR, ASCAD for awareness, training, lab strengthening etc

- **Research & Innovations:**

- ✓ Biosecurity, use of alternatives/ ethno-vet medicines
- ✓ Disease control programmes; Vaccination
- ✓ Education : IVRI has initiated a course on Ayurvedic Medicine