

SHIELD YOUR HERD FROM MICROPLASTICS

ENSURE CLEAN, QUALITY MILK



NATIONAL
DAIRY
DEVELOPMENT
BOARD

STOP USING LOW-GRADE PLASTIC FOR

Animal feed
containers



Drinking
Troughs



Water
storage tanks



Milking
buckets



Milk
cans



WHY IT MATTERS:

- ▶ Low grade plastics degrade over time, specially under sunlight and heat
- ▶ These plastics release microplastics into feed and water

FACTS ON MICROPLASTICS:

- ▶ Microplastics are found in dairy feed, water, and even milk
- ▶ Microplastics can cross the blood-brain barrier



Microplastics can accumulate in the human brain!

Common Types of MICROPLASTICS:

- Polyethylene (PE)
- Polystyrene (PS)
- Polyethylene terephthalate (PET)

- Polyamide (PA)
- Polyvinyl chloride (PVC)

Impact of microplastics:

In Animals

- Hormonal Disruption
- Reproductive issues
- Oxidative stress
- Weakened Immunity

In Humans

- Gastrointestinal disturbances
- Hormonal Disruption
- Respiratory issues
- Oxidative stress
- Weakened Immunity

What can you do in your farm?

A. Upgrade equipment

- Use only stainless steel for milk storage and transport
- Use Stainless Steel or food grade containers for feed and water

B. Regular inspections

- Replace cracked, faded or low quality plastic items
- Use UV resistant coatings for essential plastics

C. Safe Handling

- Never add hot liquids in plastic containers
- Install sediment filters in water system

Eliminate Microplastics Now !

