# SHIELD YOUR HERD FROM MICROPLASTICS ENSURE CLEAN, QUALITY MILK



# STOP USING LOW-GRADE PLASTIC FOR





**Drinking Troughs** 







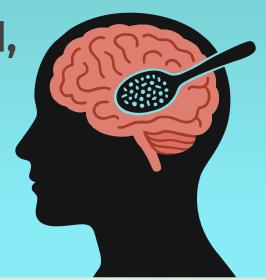


#### WHY IT MATTERS:

- 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