



Standards for soft drinks

- **JPC guidelines: Indian standards, public health perspective; stringent, science-based final product standards (2.181)**
- **89% water; meet Indian packaged drinking water (EU norms for pesticide residues)**
- **10% sugar; (should not have residues)**
- **0.5% concentrate; 0.5% CO₂**
- **BIS is deliberating standard – FAD 14. Draft standards sent to JPC. Now has to finalise based on JPC guidelines.**



Calculation

- **No MRL for sugarcane (hence sugar) for DDT, lindane, chlorpyrifos, malathion, ---- whether PFA, or EU, or USEPA, or CODEX**
- **Soft drink standard**
= (10% of sugar MRL) + (1% of other MRL) + (89% of water MRL)
= 0 + 0 + 89% of water MRL = **89% of water MRL**
= **8% less than water MRL**

Constituents	Amount (gm)	MRL (mg/l) - WHO/JMPR	
		DDT	Lindane
Water	920	0.001	0.0003
Sugar (minimum)	50	0	0
Others (Caffine, Ethylene Glycol etc.)	30	0	0
Final Soft Drink Standard	1000 gm	0.00092	0.00028



Regulate final product norms

Final product regulations for pesticides exist in rest of world. No pesticide limit for soft drinks because these countries don't have a contamination problem. We have a contamination problem. We need norms.

	Pesticide	Heavy metals etc.
Soft Drinks	?	v
Cheese (<i>even under PFA</i>)	v	v
Butter (<i>even under PFA</i>)	v	v
Ice cream (<i>even under PFA</i>)	v	v
Baby food	v	v

Why exclude soft drinks, even though found contaminated. How will you enforce input norms? Or do we say these companies do not need to be regulated?