

# Chitosan Liquid Fertilizer



## Key Benefits in Coffee

- ✔ Activates natural defense (SAR/ISR) against Leaf Rust, CBD.
- ✔ Promotes hormonal signals for synchronized fuller flowering and berry set.
- ✔ Reduces heat/drought shock ; lowers abortion, berry drop.
- ✔ Enhances microbial activity and canopy recovery post-pruning.
- ✔ Enhances berry size and shelf-life.



## Why Chitosan



Organic



Residue-Free



Safe for Export Markets



Increased ROI



**1st Spray**  
Pre-Flowering



**Feb-Mar**  
Synchronize flower buds, reduce abortive buds

**2nd Spray**  
Full Flowering



**Mar-Apr**  
Pollination boost, fungal protection

**3rd Spray**  
Fruit Set / Pinhead



**May-Jun**  
Reduce berry drop, boost nutrient flow

**4th Spray**  
Berry Development



**Jul-Oct**  
Stress protection, uniform size

**5th Spray**  
Ripening & Harvesting



**Nov-Jan**  
Improve quality, shelf life, reduce late diseases

**6th Spray**  
Post-Harvest Recovery



**Jan-Feb**  
Canopy regrowth, root activity

Input	Value
Extra Yield	+150-300 kg/acre
Avg. Price (farmgate)	KES 100-120/kg cherry
Extra income	KES 15,000-36,000 per acre
Chitosan use (3L @ KES 2,000)	KES 6,000
Net Gain /acre	KES 9,000-30,000
ROI	1.5x - 5x

**Testimonial**

*"Chitosan gave my coffee uniform flowering and reduced sprays. It's clean and brings real difference."*  
**Agnes Wanjiru — Mukurweini, Nyeri County.**



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