

# Chitosan Liquid Fertilizer

Natural biostimulant and elicitor  
for  
**Potatoes**

**From Seedling Vigor  
to Tuber Yield – Naturally**

- ✔ Boosts early vigor & canopy development
- ✔ Reduces fungal infections
- ✔ Improves nutrient uptake
- ✔ Reduces stress under drought, hail, or cold
- ✔ Improves skin finish & storability
- ✔ Increases tuber formation



## Why Chitosan



Organic



Residue-Free



Increased ROI



Safe for Export Markets

**1st Spray**  
Germination – Emergence



**Week 2–3**  
Root kickstart, shoot emergence

**2nd Spray**  
Vegetative Growth



**Week 4–5**  
Canopy boost, stress tolerance

**3rd Spray**  
Pre-tuber Initiation



**Week 6–7**  
More stolon formation, disease defense

**4th Spray**  
Tuber Bulking



**Week 8–10**  
Increases uniform size, better skin finish

**5th Spray (optional)**  
Pre-Harvest Hardening



**Week 11+**  
Shelf-life boost, storage mold resistance

Input	Value
Extra Yield	+3–5 bags
Avg. Price (farmgate)	KES 2,000–2,500 per 50kg bag
Additional Revenue	KES 6,000–12,500
Chitosan Cost (3–4L)	KES 6,000–8,000
Net Return	Up to KES 4,500
ROI	1.5x – 2.5x

**Testimonial**

“Chitosan worked like a plant doctor – my fruits were bigger, and I made more money!” **Mwalimu Mike Ogutu – Kihoto, Naivasha, Kenya.**



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