



TRIAL PROTOCOL

NovaGreens™ on-farm trial protocol

A controlled, nutritionist-approved feeding study run in your own herd, with paired within-farm controls, endpoints declared in advance, and an independent statistician's report you keep. Summary version for producers, nutritionists and veterinarians.

Design

Element	Dairy	Beef
Groups	50 treatment + 50 paired control cows	Two matched pens or paired groups
Randomisation	By parity and days-in-milk after 14-day baseline	By weight and sex after baseline weigh
Feeding	NovaGreens™ 2–4 lb/cow/day in the TMR	Rate set by nutritionist in the ration
Duration	45–90 days after 14-day baseline	56–90 days
Interim read	Day 30: intake, yield, components	Day 28 weights and intake
Oversight	Independent nutritionist, veterinary sign-off, field observer, independent statistician	

Endpoints declared in advance

Dairy endpoint	Method	Cadence
Dry matter intake	Pen-level feed weigh-backs	Daily
Milk yield	Parlor meters / DHIA	Daily / weekly
Butterfat & protein %	DHIA component testing	Weekly
Energy-corrected feed efficiency	ECM ÷ DMI	Weekly
Milk nitrogen efficiency	Milk N ÷ N intake	Bi-weekly
SCC, body condition, health events	DHIA SCC; BCS; treatment log	Weekly / bi-weekly
Income over feed cost	Your milk price and ration cost	Final report

Beef endpoint	Method	Cadence
Intake	Pen feed weigh-backs	Daily
Average daily gain	Individual weights	Day 0, 28, 56, close-out
Feed conversion	DM intake ÷ gain	Per period
Days on feed / cost of gain	Pen close-out at your ration prices	Final report
Health, BCS, breed-back (cow-calf)	Treatment log; BCS; preg-check	As scheduled

Product required

50 cows × 2 lb/day × 45 days ≈ 2.25 short tons per farm. Delivered in tote or 50 lb bag at trial pricing. Volume is never the constraint; farm recruitment and protocol sign-off are.

What the farm receives

- Written protocol for your nutritionist and veterinarian to mark up before enrolment
- NovaGreens™ for the treatment group, delivered, at trial pricing
- DHIA / scale testing and TMR and forage wet-chemistry panels
- Field observer support and a farm coordination stipend
- Day-30 interim and close-out statistical reports — yours to keep, whatever they show
- No commitment beyond the trial; convert to commercial supply on a documented result

Peer-reviewed trials cited are category evidence for sprouted barley, not validation of any specific NovaGreens™ lot. Results on any operation depend on herd, ration and management.