

TRIAL DATA SHEET

NUTRI-MATCH



Objective: Can liveweight gain of grass reared lambs be maintained from birth to weaning using 15% less nitrogen fertiliser through use of balanced soil applied nutrition as oppose to straight nitrogen?

Crop: Grass

Location: Northumberland

Date: April to July 2021 - 16 weeks

Researcher: Origin Fertilisers trials

Method: Pre-application soil and forage analysis, fertiliser applied in 3 even splits, forage mineral and quality analysis every 2 weeks, grass measurement every 2 weeks, lambs weighed at birth, 8 and 16 weeks

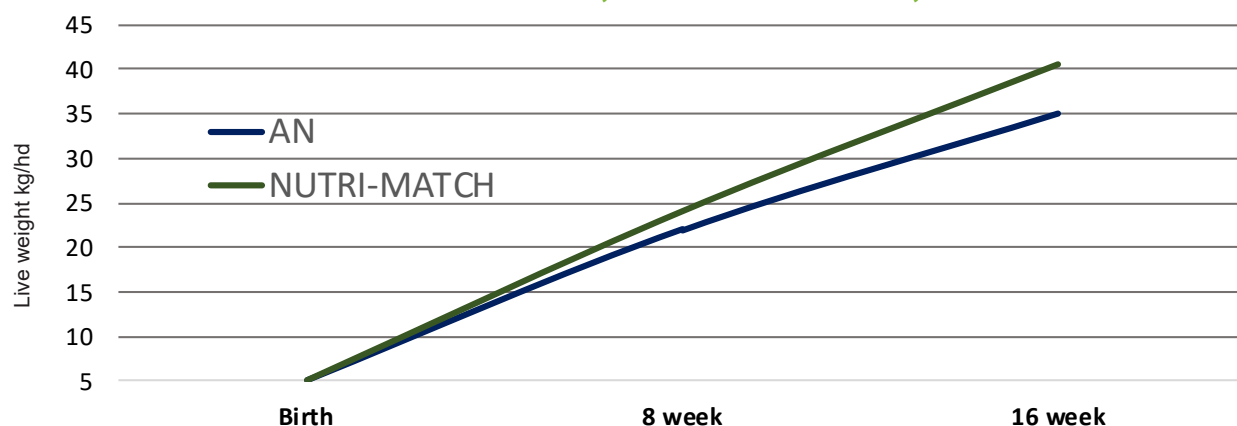
Measurements: Lamb weight, forage mineral and quality, grass measurement

Trial code: 20012/NE/AK

Fertiliser treatments:

Product applied	kg/ha	Applied in 3 equal splits May 10th, June 10th and July 12th	Stocking rate/ha
NUTRI-MATCH®	440kg/ha	23-11-0 + 8Na + 9SO ₃ + 0.01Mo + 0.0015Se + 0.03Zn + 0.015Mn 101kg N, 48kg P, 35kg Na, 40kg S + Mo, Se, Zn, Mn	25.2 lambs, increased to 32.9 lambs at 8 weeks
Ammonium Nitrate	348kg/ha	34.5-0-0 120kg N	25.2 lambs, increased to 32.9 lambs at 8 weeks

Results: NUTRI-MATCH v AN trial, Northumberland, 2021



- **15%** reduction in fertiliser N applied
- **20%** increase in total weight gain
- **50%** increase in LWG per kg N fertiliser applied
- **4.5:1** return on investment

Talk to us about prescription nutrition

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