GSL DIAGNOSTIC
DRIVING PROFIT THROUGH INNOVATION

Our Analysis of Your Farming System Provides:

- Information for any farm business to maximise their operational profit.
- Clarity to your understanding of your production processes.
- Reports on potential areas for economic and environmental improvement
- Reports on likely constraints that may affect your farm system and the cost/value of changes when implemented.
- A systems implementation plan for each analysis.
- Our plan will highlight the key inputs and farm resources to monitor for maximum optimal output.
- Your monitoring will compare predicted with actual and quantify gaps and timing of your management's corrective actions.

1) Our process uses Linear Programming (LP) as the means to ensure efficient allocation of the actual resources on any farm whether dairy, sheep, beef, crops or a mixed enterprise, including pastures, supplementary feeds or partial feedlots.

2) LP ensures that all feeds and production are matched to generate the highest economic return through a full farm systems analysis.

3) This includes aspects of animal, pasture and feed production. The LP process adjusts for actual system performance in terms of constraints on animal intakes and pasture performance.

4) The ability to adjust all inputs to reflect the actual circumstances (production and profit) ensure the correct base for comparison using marginal productivity NOT averaged production.

5) Averaging data looses the detail that is required to efficiently and economically improve modern farm systems.

List of work completed:

a) Individual farmers: - new systems, improved systems, more efficiency to reduce complexity, risk reduction, capital reduction, adjusting resource use to minimise debt exposure and improve cash flows.

b) Industry Organisations: - efficient Greenhouse Gas reductions, Nitrogen reduction, cost/benefit of specific farm systems changes, forage cropping, implications of stocking rate at farm and district level with regard to both economic and environmental performance; analysis of individual farms to reduce environmental impact of dairy yet improve overall economic return and reduce risk.

c) Demonstration Farms: - revised systems to improve economic results while capping GHG and N leaching, the role of supplements and concentrates.

d) Papers; Economics of varying farm systems; Production vs. Profit; the use of LP modelling in real farm systems; The effect on economic outcomes of changes in replacement rate and longevity.

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