

Trial #	11
Location	Carterhope Estate
Province	South Otago
Farm Type	Beef and Sheep
Product Trial	FPF v/s Granular
Date	1996 – 1998

Introduction: This site was chosen as a representative sheep/beef unit in South Otago. Comparisons can be made with results from the Telford Farm Trial. Four treatments and a control were set down with 3 replications. Plots were regularly monitored over a 2 year period (with an interval of grazing over autumn and winter 1997). As with the Telford trial, soil samples were taken first. These formed the basis of recommendations trialled. Fertiliser was applied on the 15 November 1996. Soil Testing Services recommended the following FPF mix:

DAP	60%	Limeflour	10%
Elemental Sulphur	20%	Trace Element mix at 2.5kg/ha	
Sulphate of Potash	10%	Cobalt Sulphate at 25grams/ha	

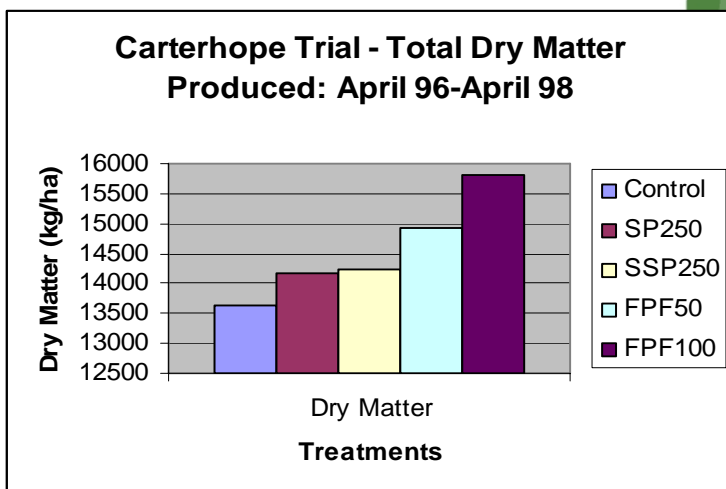
Treatments:

1. Control
2. SP250 – superphosphate at 250kg/ha
3. SSP250 – 20% sulphur superphosphate at 250kg/ha
4. FPF50 – 50kg/ha
5. FPF100 – 100kg/ha

Results:

Total Dry Matter Production (kg/ha) April 96-April 98			
Treatment	Dry Matter	Extra DM (%)	Cost
Control	13623	0.0	0c
SP250	14170	4.0	8c
SSP250	14227	4.4	8c
FPF50	14939	9.6	5c
FPF100	15800	15.9	5c

Extra DM - percentage increase in dry matter compared to Control
Cost - cents/extra kg of dry matter grown over Control



The FPF treatments produced the most dry matter of the treatments trialled. Extra kg's of dry matter were grown at almost half the price of the granular treatments.