

Case Study: Oats /Fodder Crop

Location: Grazing Property/Farmers Rd, Mardan.

Treated Area: 12 Ha

Paddock roughly sown to oats. Approximately a third of area was sown with Superphosphate and the balance with TNN FCMP. TNN FCMP and Superphosphate were broadcast at the approx. rate of 150 kg/Ha.

At 1st Grazing

The difference between both areas is quite noticeable:

Superphosphate Side:

- Coarser plants
- Hollow stems
- Lighter green
- Faster growth in early stages

FCMP Side:

- Denser foliage
- Solid stems
- Much better colour
- Slower growth at start, but crop now outperforming the 'superphosphate' area

Photo:



Observation:

A handful of oats, picked at random, in “average” area on both sides (by independent observer), and cut off about 5cm from ground level. Only grass between stalks was eliminated.



Left: Grown with FCMP

Right: Grown with Superphosphate

Feed Analysis

September 2004

	TNN FCMP	SUPERPHOSPHATE	
Dry Matter	24.29%	24.14%	1%
Moisture	75.71%	75.86%	0%
Nitrogen	2.57%	1.53%	68%
Crude Protein	16.05%	9.57%	68%
Digestible Protein	13.27%	6.47%	105%
Gross Energy	17.05%	16.13%	6%
Digestible Energy	14.43%	12.91%	12%
Metabolizable Energy	11.9%	10.27%	16%
Net Energy NEm	7.43%	6.06%	23%
Net Energy NE1c	7.49%	6.1%	23%
		Average Nutrient Increase	40%