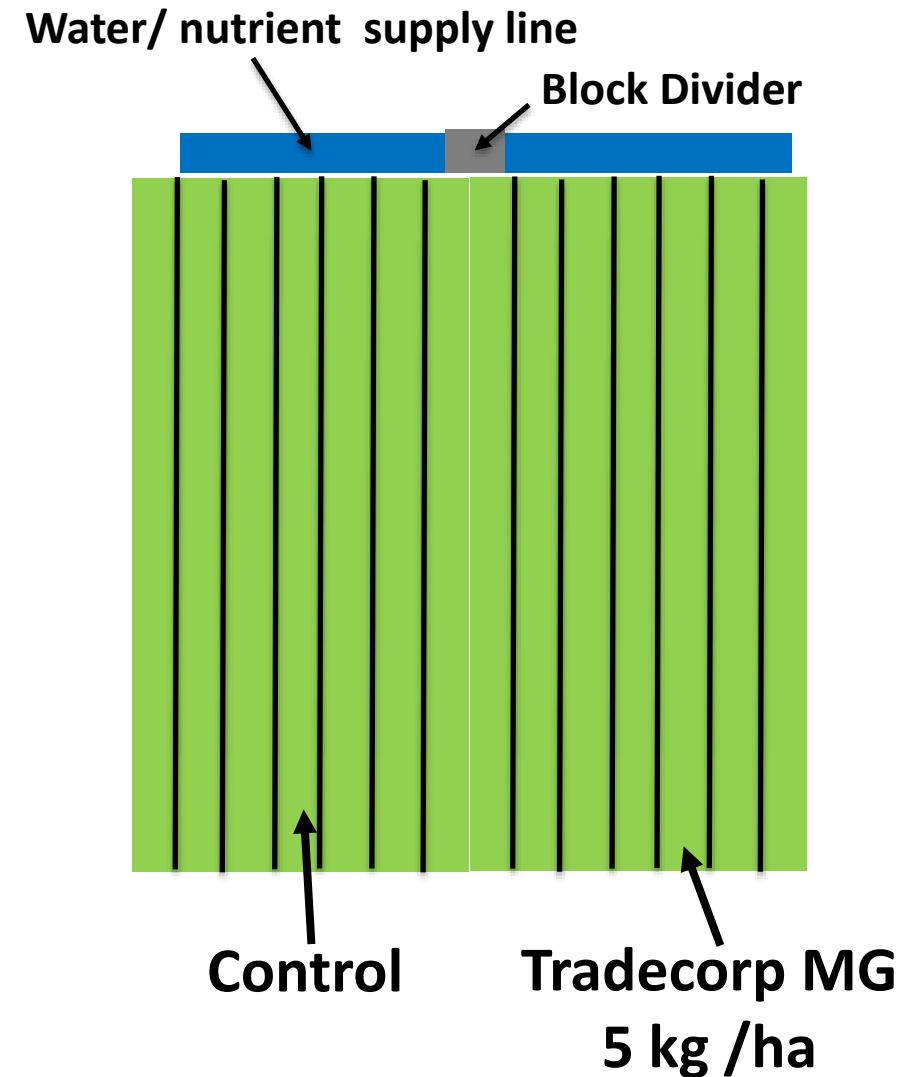




## Trial: **Tradecorp Mg on Wombok**

<b>Crop:</b>	<b>Wombok</b> var. Matilda
<b>Product:</b>	<b>Tradecorp Mg (EDTA)</b>
<b>Location:</b>	Stanthorpe
<b>Aim:</b>	Higher Mg levels
<b>Rate:</b>	5 kg /ha
<b>Application:</b>	Drip application
<b>Timing:</b>	Half way through crop
<b>Planting date:</b>	30/10/17
<b>Assessment:</b>	Dry tissue, visual assessment

# Design



- The Tradecorp Mg (EDTA) was fertigated into the drip tape
- One ha received the Tradecorp Mg while the other ha was blocked off.
- Bed spacing 1.5 M centres

# Results – Dry Tissue Results

Element	Control		Treated		Optimal Range		
	Result	Units	Result	Units			
Total Nitrogen *+ (Dry Tissue)	4.260	%	4.560	%	3 - 5		+ 7 %
Nitrate N * (Dry Tissue)	1,990	ppm	3,150	ppm		+ 58 %	
Phosphate * (Dry tissue)	0.64	%	0.64	%			
Potassium * (Dry tissue)	5.62	%	6.08	%	2.5 - 4.5		+ 8 %
Calcium * (Dry tissue)	2.50	%	2.66	%	1 - 3	+ 6.4 %	
Magnesium * (Dry tissue)	0.31	%	0.38	%	0.19 - 0.2		+ 23 %
Sulfate (Dry tissue)	0.62	%	0.66	%			
Boron (Dry tissue)	27	ppm	27	ppm	24 - 60		
Copper * (Dry tissue)	6.8	ppm	6.4	ppm	4 - 5		
Iron * (Dry tissue)	98	ppm	98	ppm	50 - 199		
Manganese * (Dry tissue)	41.4	ppm	41.4	ppm	24 - 200		
Zinc * (Dry tissue)	100.14	ppm	74.51	ppm	19 - 20		
Sodium * (Dry tissue)	0.476	%	0.552	%	1 - 1.1		
Chloride (Dry tissue)	1.900	%	1.900	%	1.8 - 1.9		
Total Carbon * +(Dry Tissue)	38.1	%	37.0	%			



# Results – Visual





# Conclusion

- Tradecorp Mg increased **Tissue Mg +23%** increasing green colour and chlorophyll
- Tradecorp Mg (EDTA) improved the photosynthetic energy available to the plant

## Result:

- **Nitrogen uptake (+7%)** and conversion to **Nitrate (+56%)**
- **Potassium uptake (+8%)**
- **Calcium (+6.4%)**

**Tradecorp Mg @ 5kg /ha  
by drip increased  
Dry Tissue Mg +23%**

