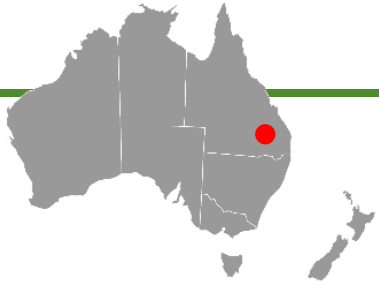
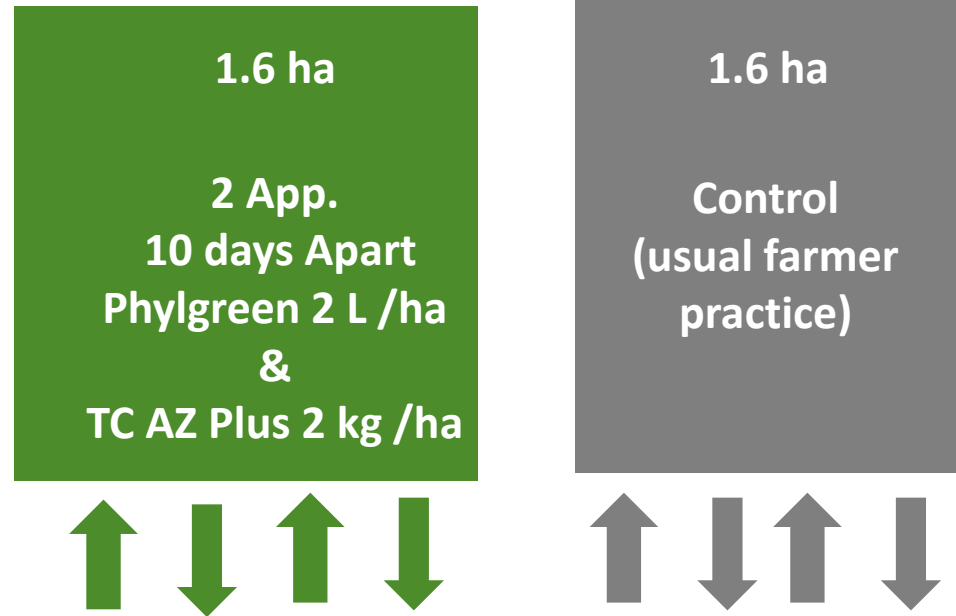


Trial: Phylgreen & TC AZ Plus in Lucerne Hay



Crop:	Lucerne var. LM 99
Product:	Phylgreen + AZ Plus
Aim:	More Bales, Shorten Recut Interval
Application:	Boom spray 250L /ha
Rate:	2 App: Phylgreen 2L /ha & Tradecorp AZ Plus 2 kg /ha 10 days apart
Start date:	4-7-17
Harvest date:	21-8-17
Assessment:	Vegetative growth, Bale Yield Protein
Notes:	Soil; chocolate loam, Climate; sub-tropical, Irrigation; traveling boom

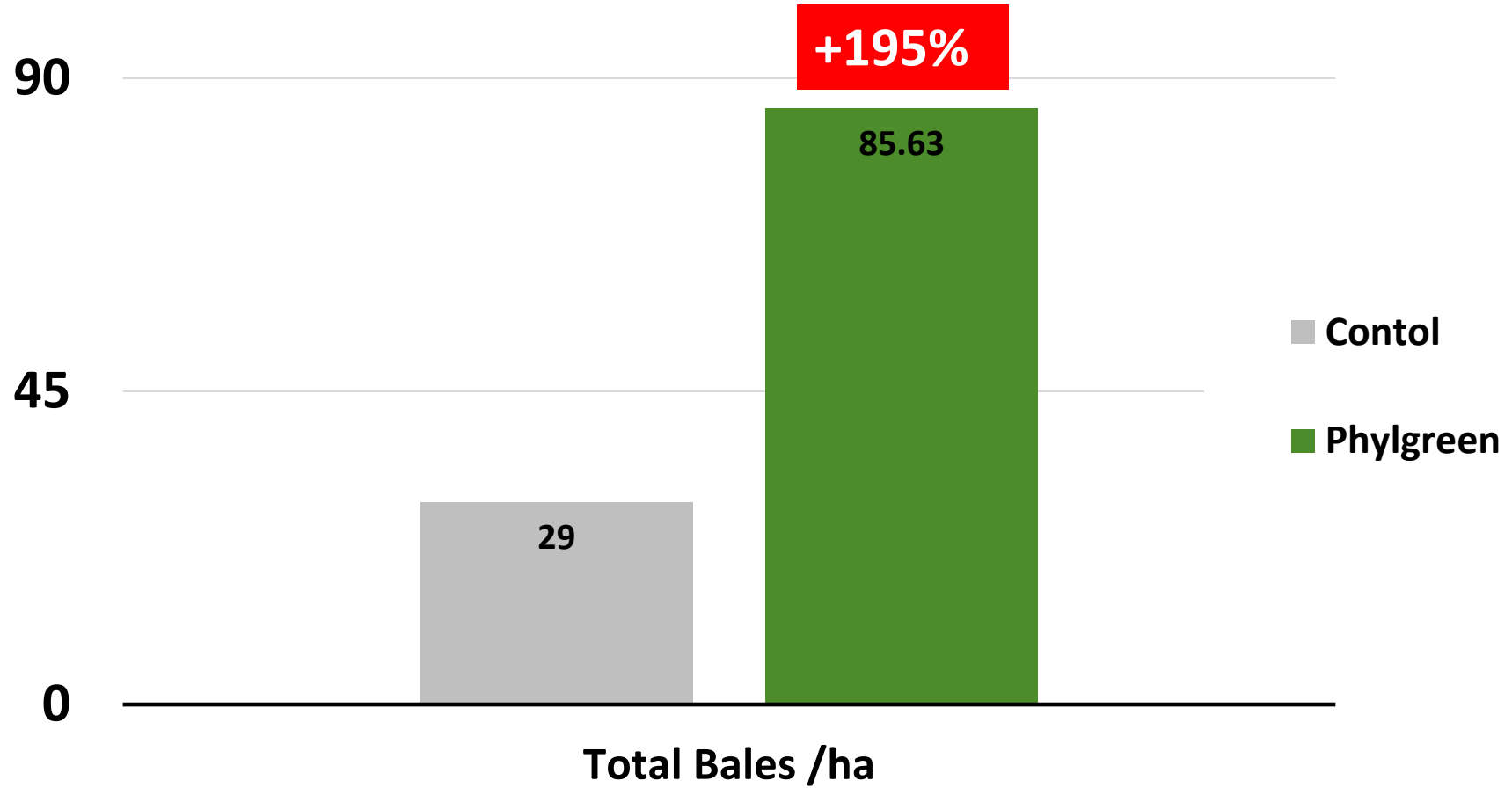
Design



Set-up and Application

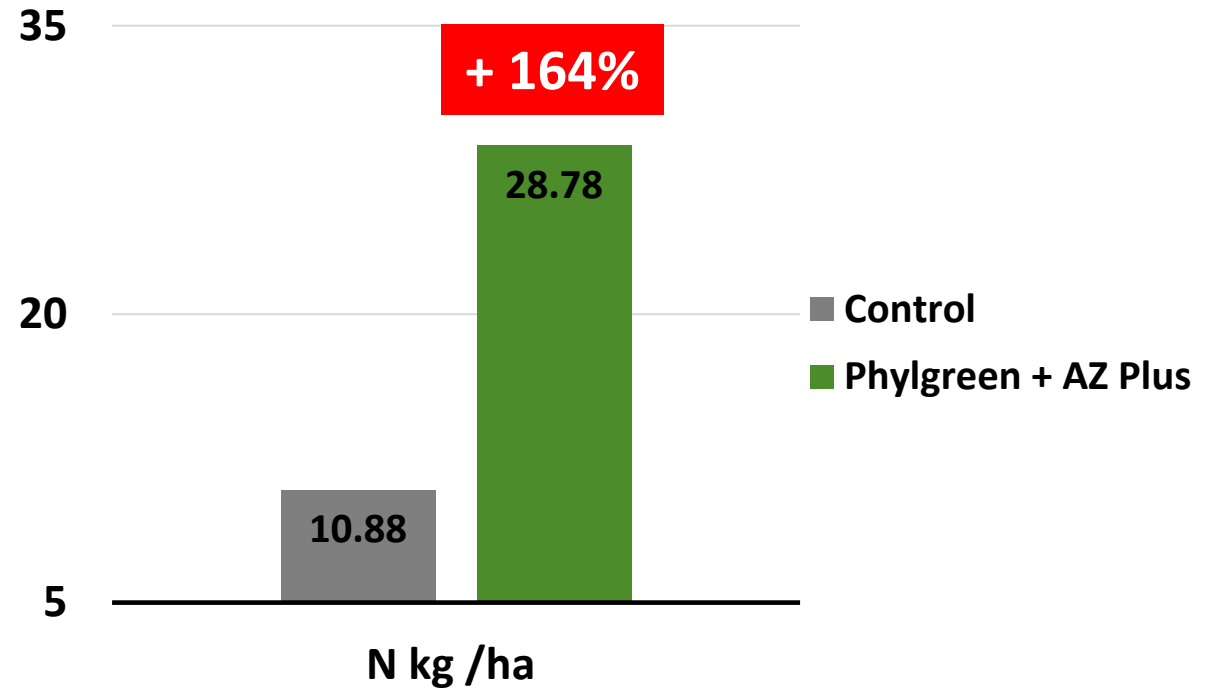
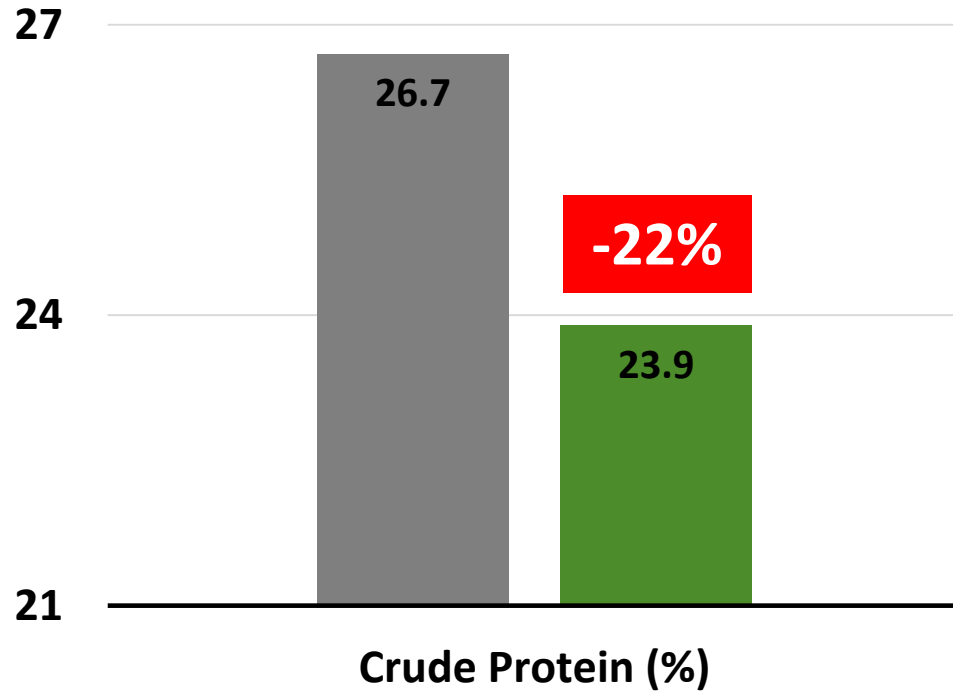
- Continuous Lucerne crop used for hay making for horse market
- Travelling Boom Irrigator
- Crop was cut, field dried and baled
- Phylgreen & Tradecorp AZ Plus applied 7 days after baling, then there was rain shortly after so farmer reapplied 5 days later the same treatment
- Aim: Phylgreen for rapid recovery after leaf removal, AZ Plus for micronutrients and Co Mo for leguminous crop

Results - Total Yield (Bales /ha)



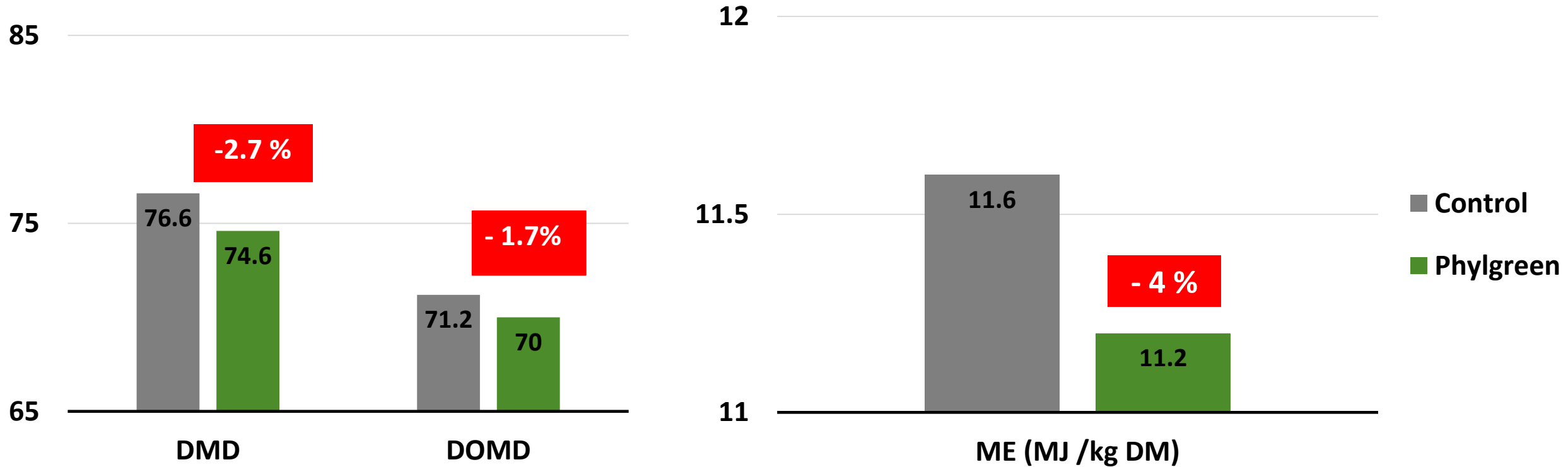
- Application of Phylgreen and Tradecorp AZ Plus increased bale Yield by 195%

Results – Crude Protein



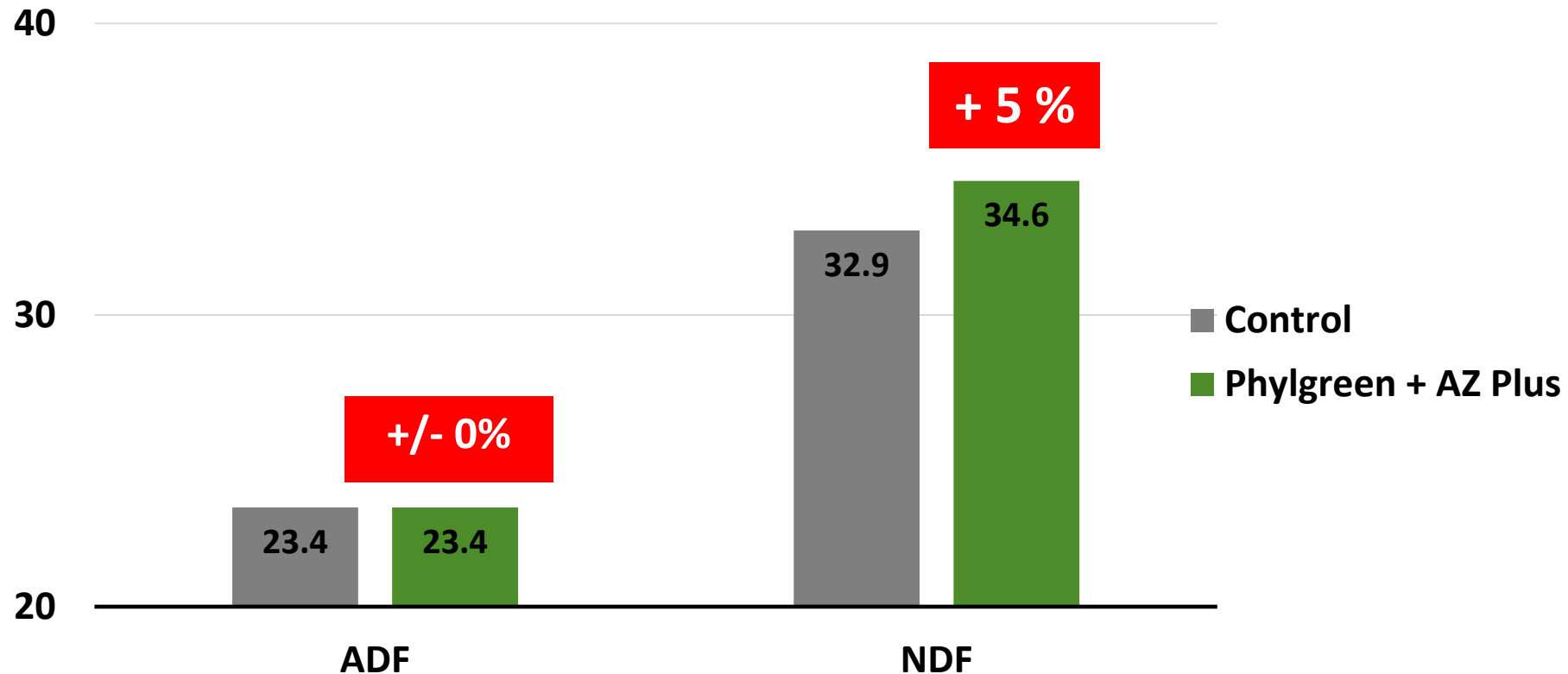
- Crude protein decreased slightly indicating that was some dilution of protein due to the increased Yield
- Nitrogen recovery was increased by 164 % in the Tradecorp Treatment

Results – DMD & ME



- There was a slight reduction in both DMD and ME feed values in the Tradecorp treatment due to the rapidly increased growth rate which included more stem as well as leaf

Results – Acid Detergent Fibre, NDF & ME



- ADF was unchanged and NDF was slightly increased indicating the Tradecorp treatment was slightly more fibrous at harvest
 - This indicates that the farmer can consider to shorten his recut interval timing if maximum quality is preferred over increased yield

Conclusion

- Phylgreen + AZ Plus increase yield +195% bales /ha
- Crude Protein
 - levels decreased from 26.7 to 23.9% indicating protein dilution
 - N recovery was increased from 10.88 to 28.78 kg /ha (+164%)
- Phylgreen + TC AZ Plus increase bottom line by an average of \$416/ha at an average bail sale of \$10
- ROI = 1\$ = \$2.89

Lucerne Hay Analysis All Parameters

	Crude Protein	Acid Detergent Fibre	Neutral Detergent Fibre	Dry Matter Digestibility	Dry Organic Matter Digestibility	Metabolisable Energy
	CP	ADF	NDF	DMD	DOMD	ME
Control	26.7	23.4	32.9	76.6	71.7	11.6
Tradecorp	23.9	23.4	34.6	74.6	70.0	11.2