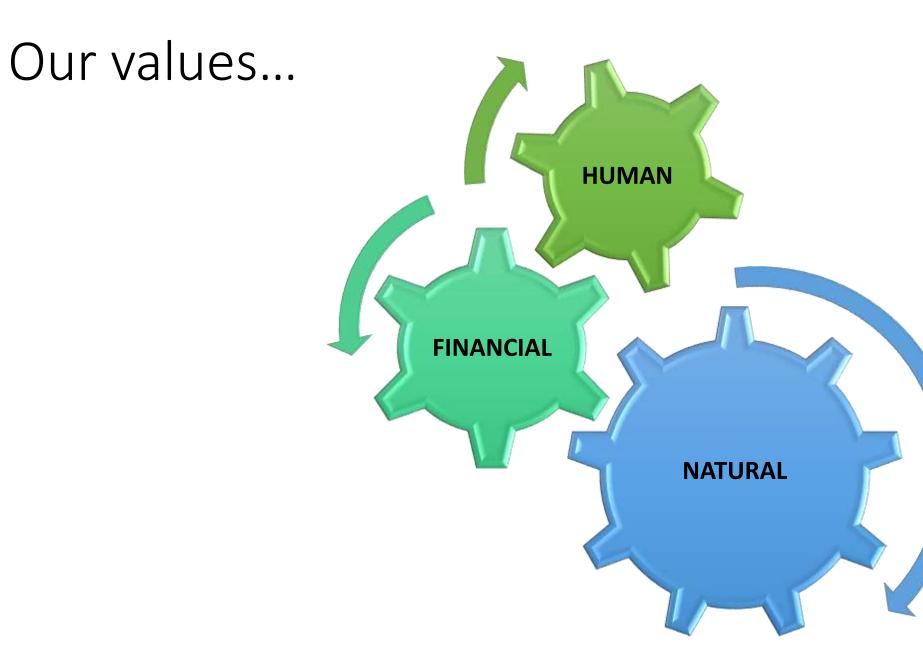
Our Journey... Carbon and Sustainability Felicity Turner









Reducing our impact on the planet



Healthy soil = increased production



You can't manage what you don't measure

The process...









- Fonterra
 - Climate-neutral growth to 2030 for pre-farmgate emissions from a 2015 base year
- Unilever **
 - Reducing the GHG impact of their products by 50% by 2030, compared to baseline of 2010
- Mondelez
 - Reduce absolute GHG from manufacturing 15%
 - 100% renewable energy
- Nestle **
 - · Zero environmental impact in our operations
- JBS
 - Net-zero GHG by 2040 and zero deforestation across its global supply chain by 2035
- Heineken
 - Carbon neutral barley-malt supply chain
- Rabobank & NAB
 - Net zero financed emissions by 2050
 - Hold 50% of Australia agri-debt market

- Mars
 - Reduce GHG across our value chain 27% by 2025 and 67% by 2050 (from 2015 levels)
- Kellogg Company **
 - 65% reduction by 2050
 - 100% renewable energy
- Pfizer
 - 60 to 80% by 2050
- Wilmar international
 - 89.72% less GHG from 2013 to 2020
 - 100% renewable energy
- Olam
 - Reduce GHGs by 50% by 2030 both in our own operations and in our supply chain
 - By 2050, we aspire to be carbon positive in operations, requiring a 5% emissions reduction per year from 2031 – 2050
- Of the 100 largest economies 69 are companies and 31 are countries
- Government policy may now be less influential than market forces

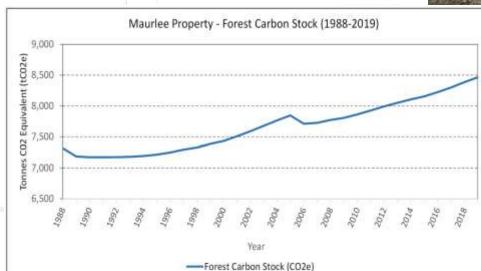
Source: Company sustainability reports https://oxfamapps.org/fp2p/the-worlds-top-100-economies-31-countries-69-corporations/

**committed to increasing plant-based protein



Outputs	beef t CO2e/farm	sheep t CO2e/farm	total t CO2r/form	Summary of Scope 1	t CO2e/farm
Scope 1 Emissions					
CO2 - Fruit	0.00	0.00	0.00	CO2	0.00
CO ₂ - Lime	0.00	0.00	0.00	CH _s	735.21
CO2+Ures	0.00	0.00	0.00	N ₂ O	45.55
CH4 - Foel	0,00	0.00	0,00		
CH4 - Enteric	0.00	699,20	699,20	Breakdown of Scope 1	
CH ₄ - Massare Massagement	0.00	36.01	36.01		
CH4 - Swamph Borning	0.00	Cinter	0.00	GHGs	
N;O - Fatilina	0.00	0.00	0.00	676.7%	
N ₂ O - Urine and Dung	0.00	41.23	41.20		= TÓ2
N ₂ O - Atmospheric Deposition	0.00	4.83	4.33	(and the second	# CH4
N ₂ O - Leaching and Runoff	0.00	0.00	0.00		- 1120
N ₂ O - Sevanah Buning	0,00		0.00		- 420
NjO - Fuat	0.00	0.00	0.00	. 94%	
Scope 1 Total	0	781	781		
Scope 2 Emissions					
Electricity	0.00	.0.00	0		
Scope 2 Total	0	0	n		

Scope 3 Emissions			
Pertilise	0.00	0.00	0.00
Preschaued masseral supplementations	0.00	0.00	0.00
Punchased feed	0.00	0.00	0.00
Herhickles/pesticides	0.00	0.00	0.00
Electricity	0.00	(0,00	0.00
Fiel	0.00	0.00	0.00
Line	0,00	0.00	0.00
Prochased Byestock	0.00	624.01	624.01
Livestock ou agistment		- TTPA	
Scope 3 Total	. 0	624	634
Carbon Sequestration			
Cachon sequestration in trees	0.00	0.00	0.00
Net Farm Emissions	a.	1.405	1,405



Enteric methane

Purchased mineral sup-

Purchased investock

Utine and Damp

Savannah buming

Indirect N2O

Electricity

Other Pre-farm

Fuel

Manure

Cattle

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

HOTSPOT ANALYSIS - SB-GAF V2.3

Shop

699.20

36.01

0.00

624.01

41.23

4.33

0.00

0.00

0.00

0.00



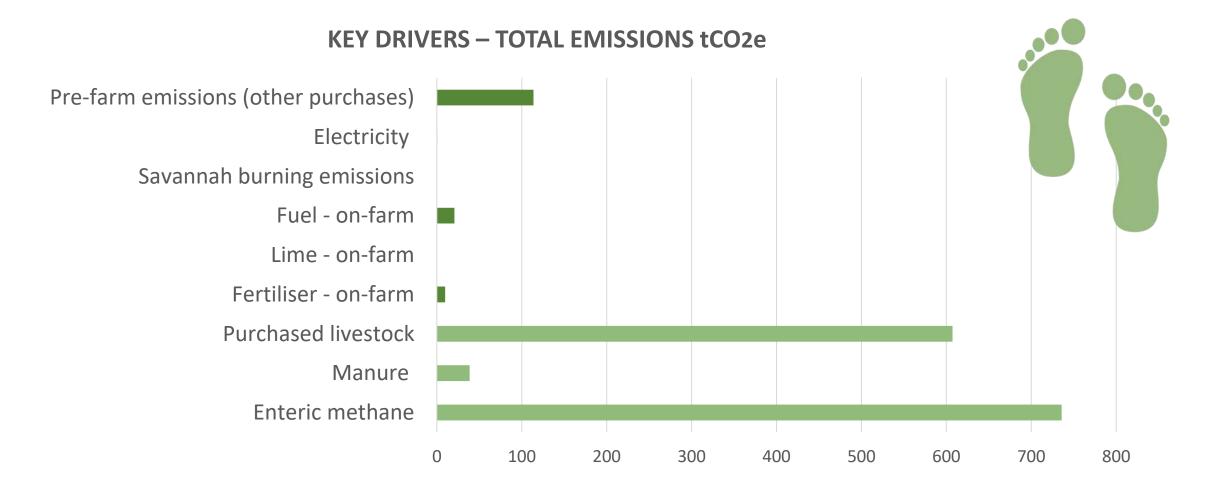


Our farm footprint	Tonnes CO2e
On-Farm (Scope 1&2)	+ 864
Scope 3 (upstream & downstream	+ 721
Sequestration (plantings & veg)	- 75
BALANCE	= 1510

Emissions intensity Meat 5.4 kgCO2e/kg LWT (6-10 'normal') Wool 19.6 kgCO2e/kg greasy (20-35 'normal')





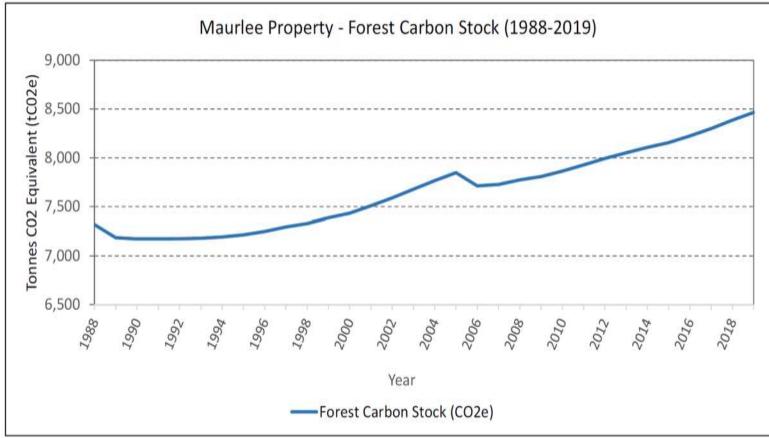




KEY EMISSION DRIVERS ON-FARM 6% 14% Breakdown of Scope 1 GHGs (%) 80% CO2 CH4 N20



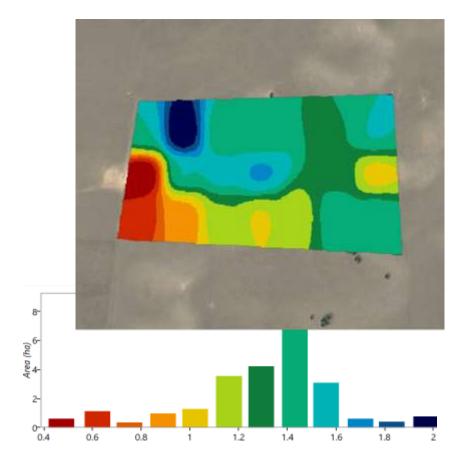
KEY SEQUESTRATION ON-FARM







BASELINE SOIL SAMPLING







i Review the plan...

- Livestock management
 - Increase reproduction efficiencies
 - Turn off stock quicker at a higher liveweight
 - Grazing management
- Soil management
- Revegetation
 - Fast growing forest trees
 - Biodiversity plantings

É Review the plan...

Fast changing environment...

Important to know where we are at and set goals within our business with what we think we can achieve

Develop a new plan (SMART)...









- Other opportunities
 - Accounting for nature Sustainability Framework



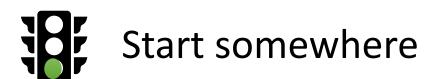




Take Homes...



You can't manage what you don't measure





Make a plan and follow it through

Acknowledgements

Mark, Henry & Jess Turner

Tracey Strugnell & Sam Blight, Coorong & Tatiara DC's Amanda Schapel, PIRSA



