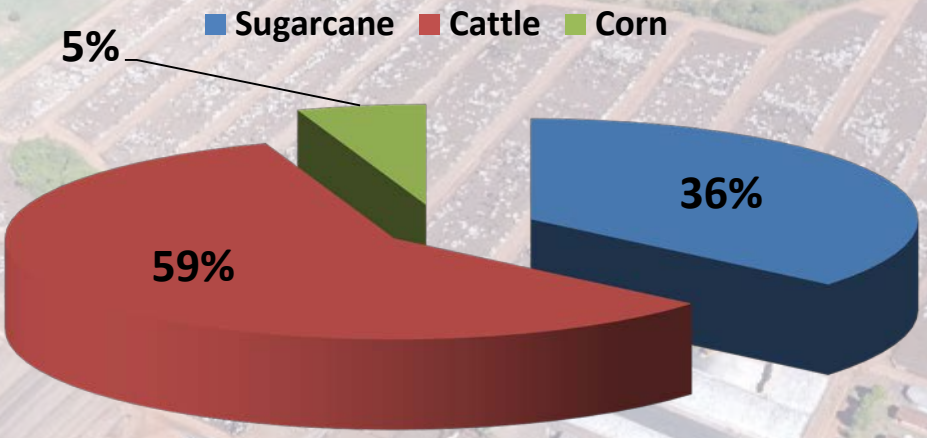
Agro Pastoril Paschoal Campanelli

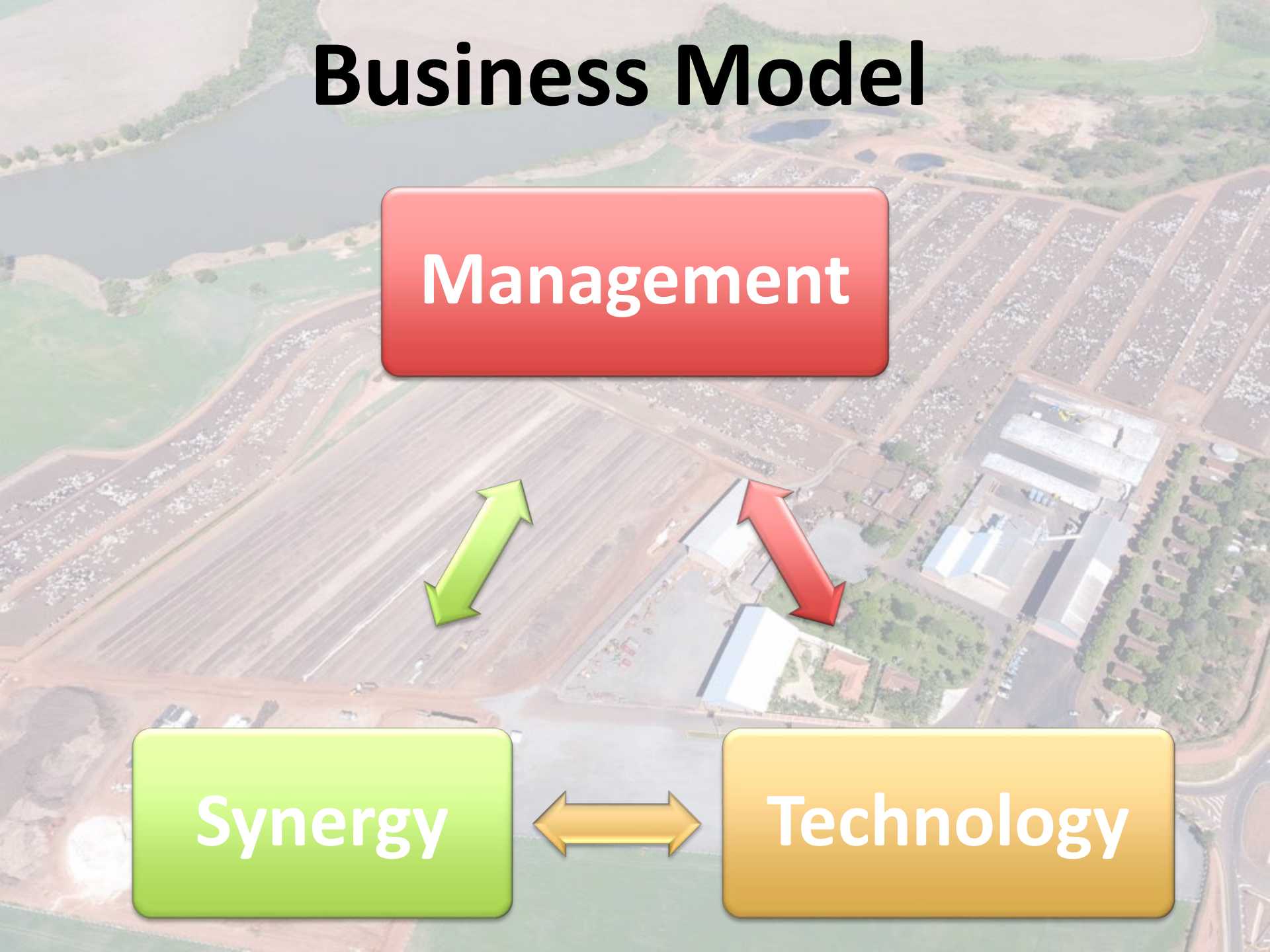
Victor Campanelli

Agro Pastoril Paschoal Campanelli

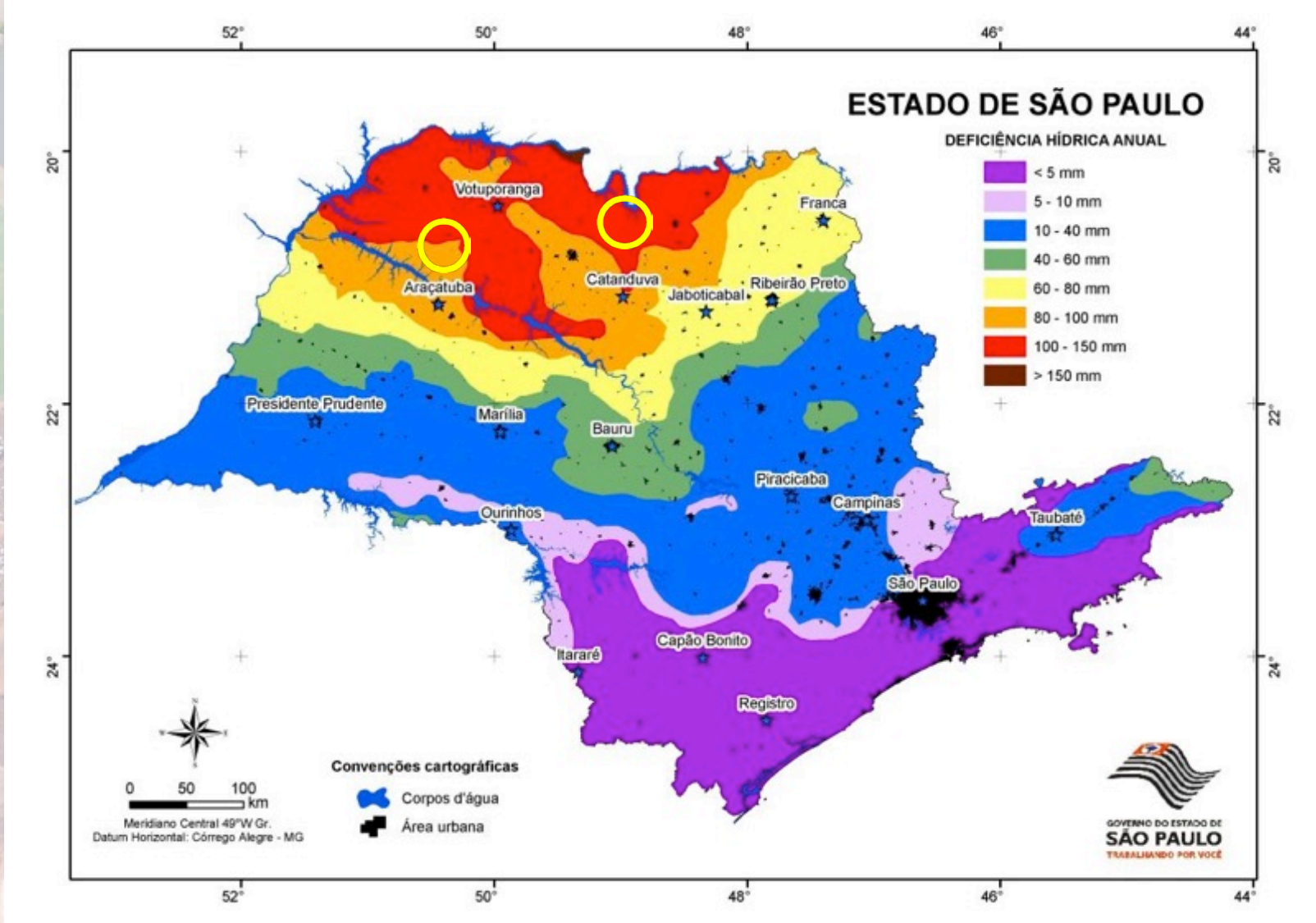


- Farm area – 16.000 ha
- 9.200 hectares - Sugarcane
- 2.500 hectares – Corn
- 5.000 hectares – Background Pasture
- 60.000 harvest cattle / year
- 25.000 cattle background / year

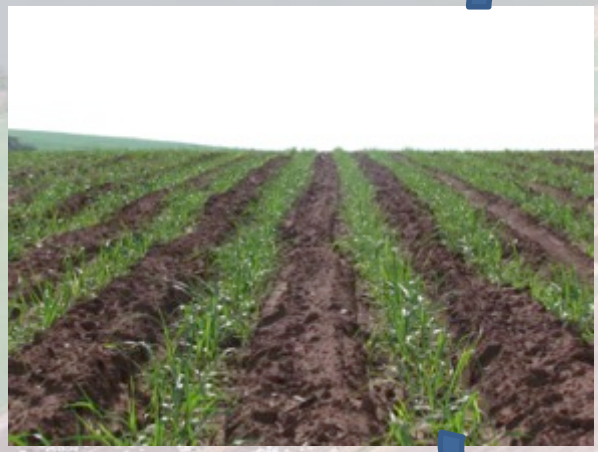
Business Model

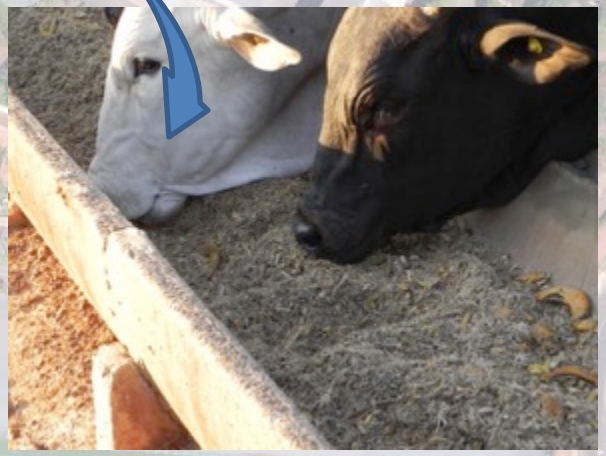


Severe Water Restriction

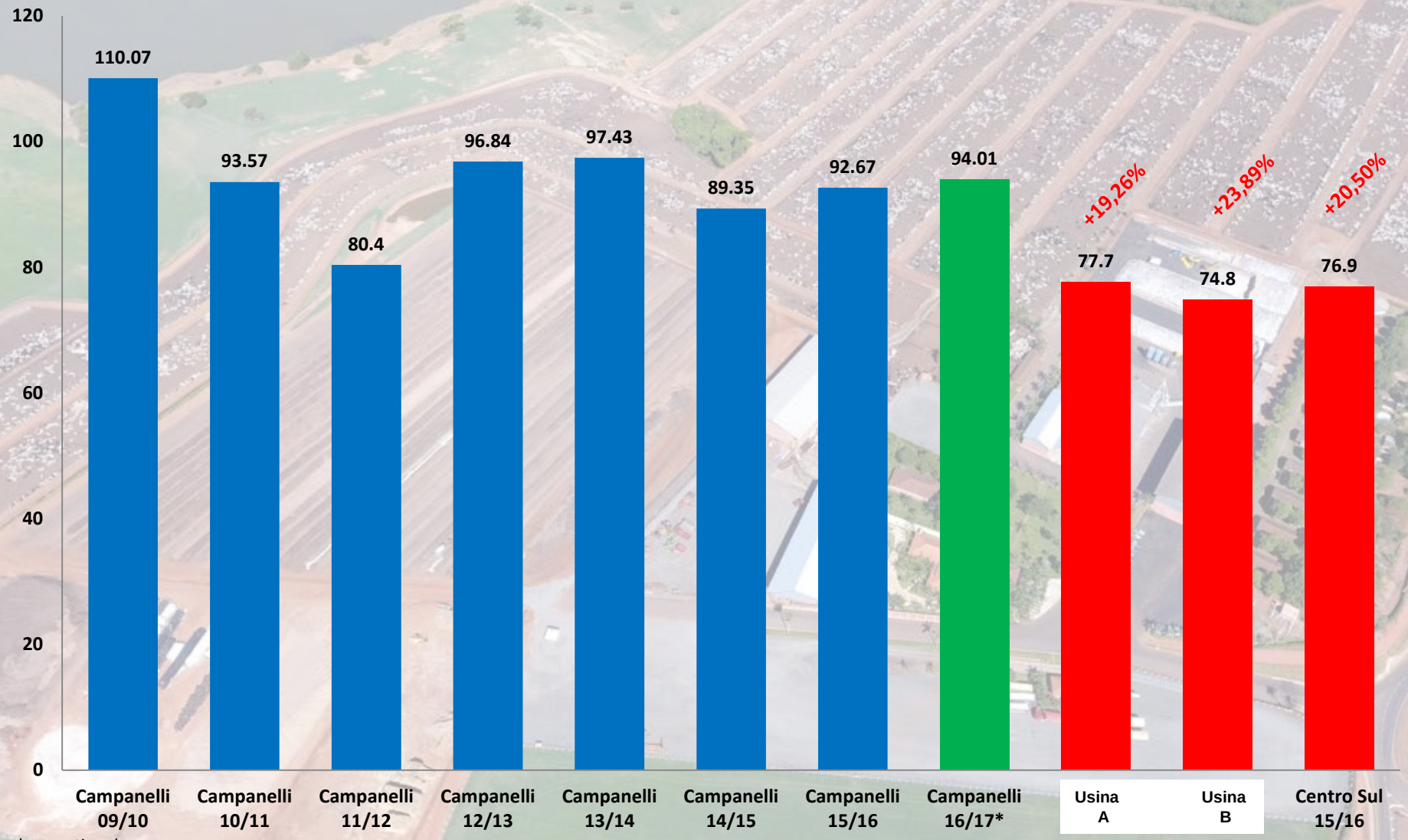


Sustainability and Synergy



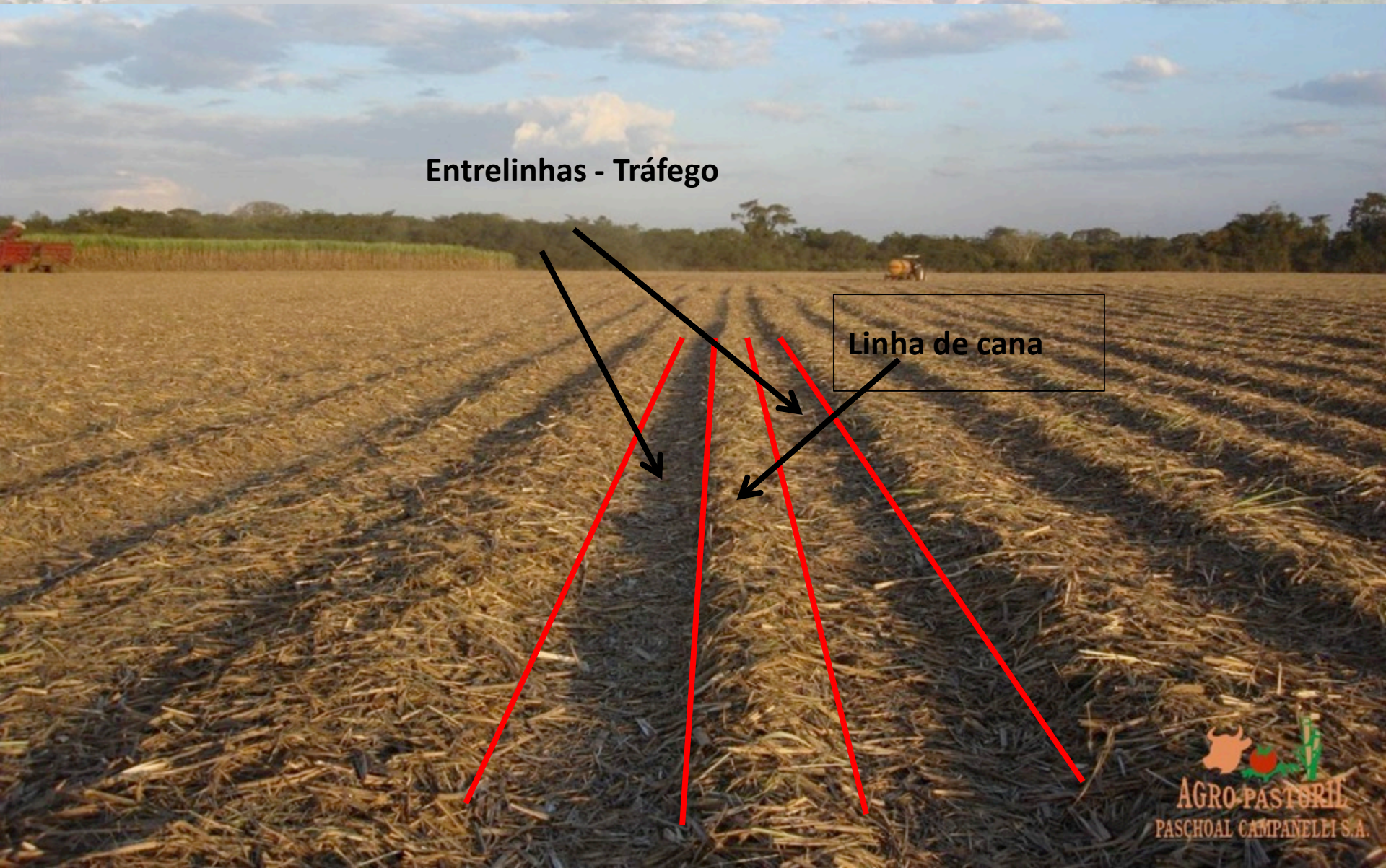


Sugarcane Historical Yield

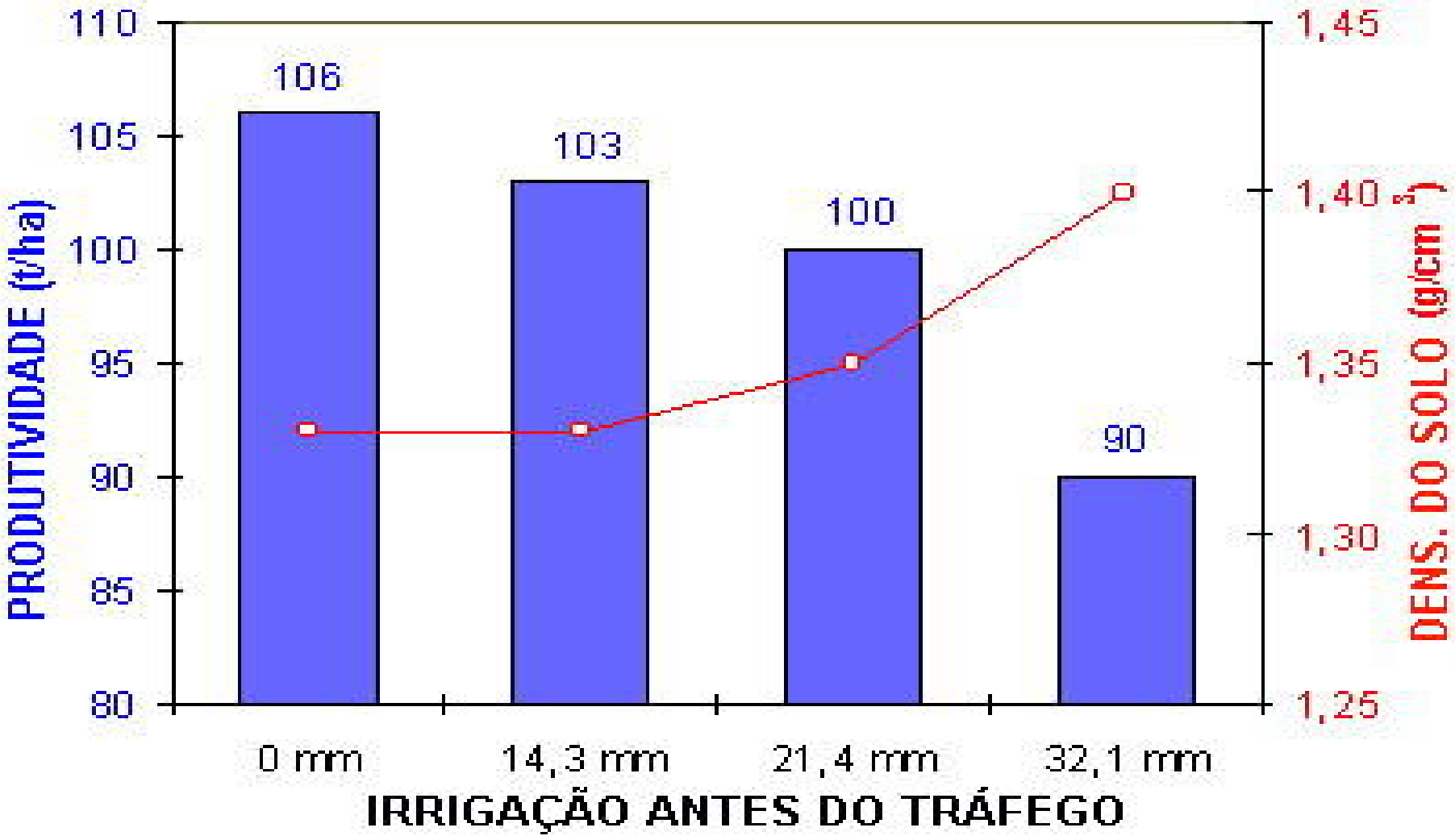


**valores estimados*

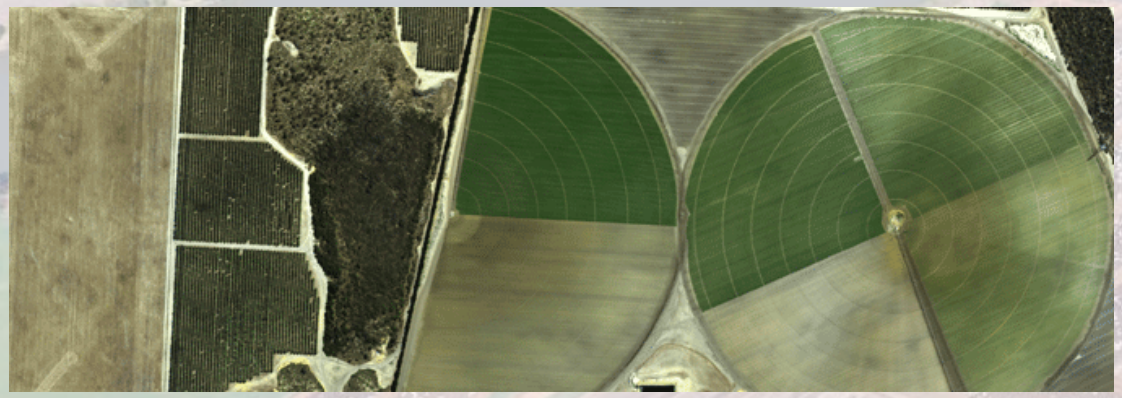
Traffic control and systematization - Harvesting

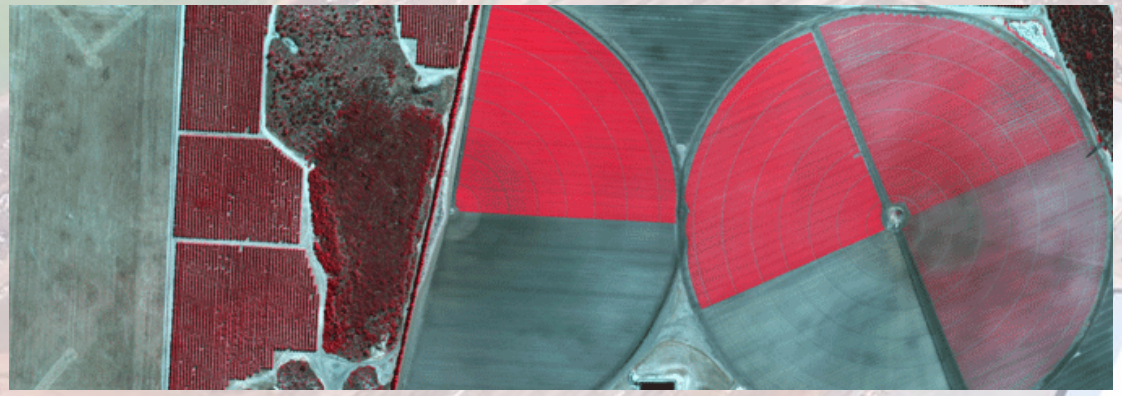


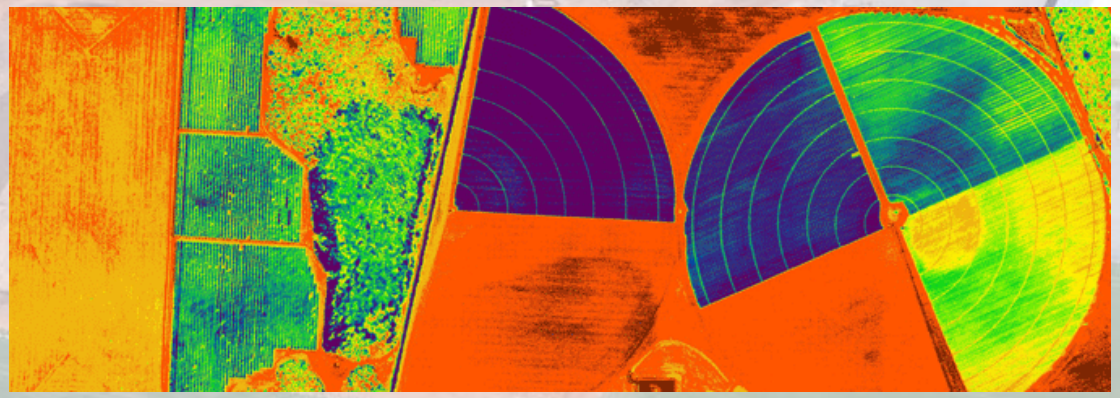
Soil compaction – Yeild Impact



RGB – NIR - NDVI







NDVI

UAV – report of planting failures

Fazenda São Pedro

Local: Altair - SP	Lat -20.514878°/ Lon -49.028886°	
Plantio: ---	Variedade: ---	Área: 24,9 ha
Imagem: 26/05/2014	Imagem tipo: RGB	

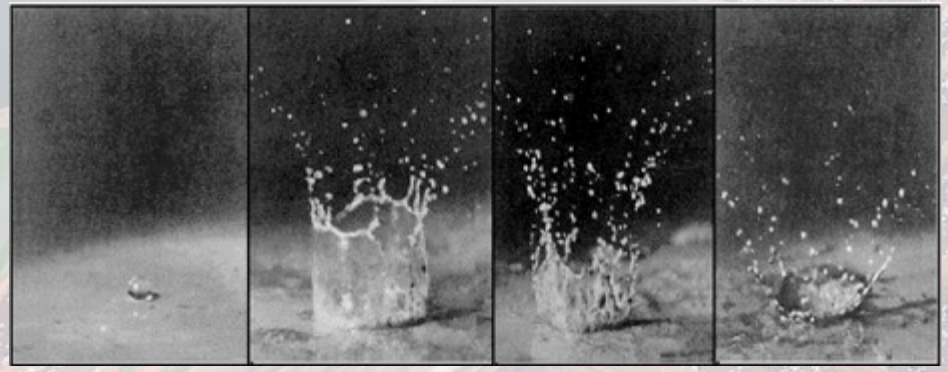
Mosaico

GEO AGRI
TECNOLOGIA AGRÍCOLA

	km	%
Comprimento total de linhas plantadas	*165,86*	*100,00*
Comprimento total de falhas acima de 0,5 m	*30,23*	*18,22*
Comprimento total de falhas acima de 1,0 m	*25,85*	*15,58*
Comprimento total de falhas acima de 2,0 m	*19,28*	*11,62*

Erosion

Systematization-Erosion



No till Conventional

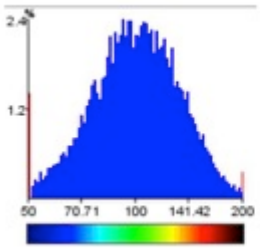
No till planting - Corn

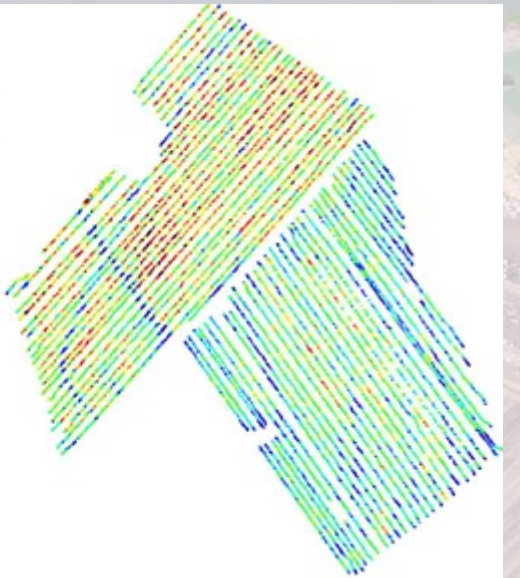
- Approximately 15 tons of remaining straw for planting sugarcane
- Management focused on Elimination of erosion
- Increase of soil organic matter (straw)
- Conservation of soil moisture
- Cost reduction
- Reduction of sugarcane borer – Use of GMO corn

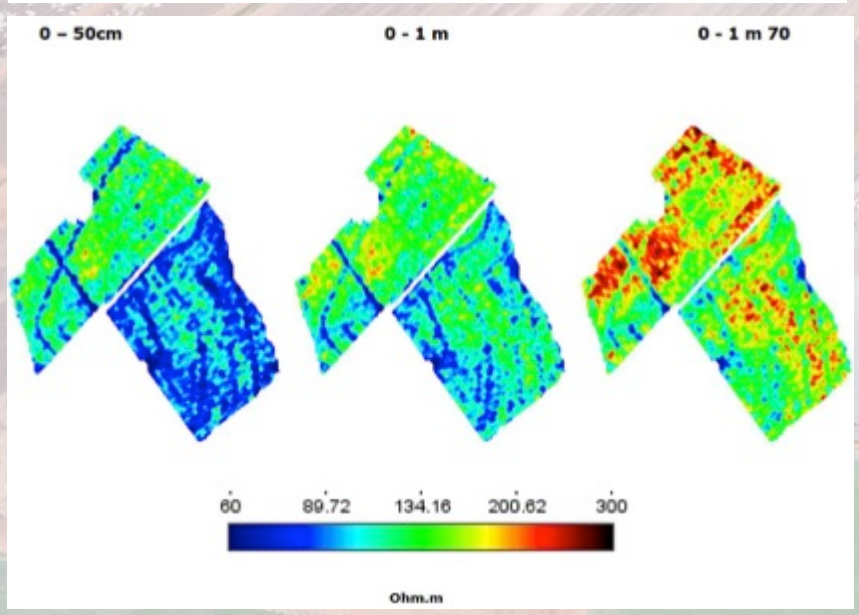
No till planting - Sugarcane

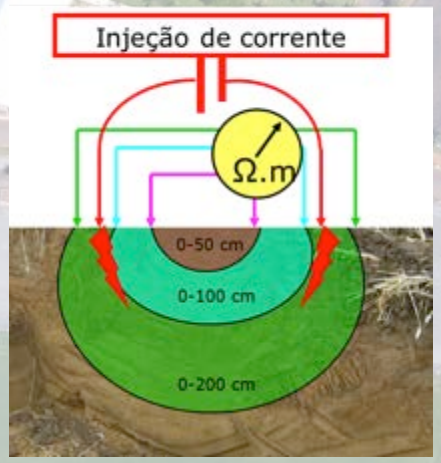
Electric Conductivity

Acquisition time	2h56m9
Area	43.67ha
Mean Speed	11.27 km/h
ER raw points	327874
GPS points	10569

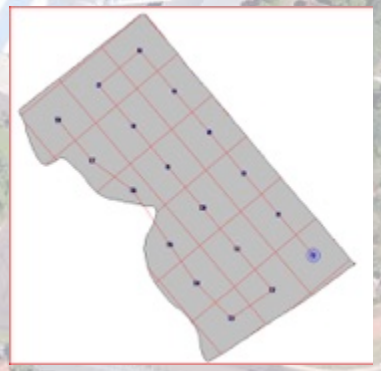








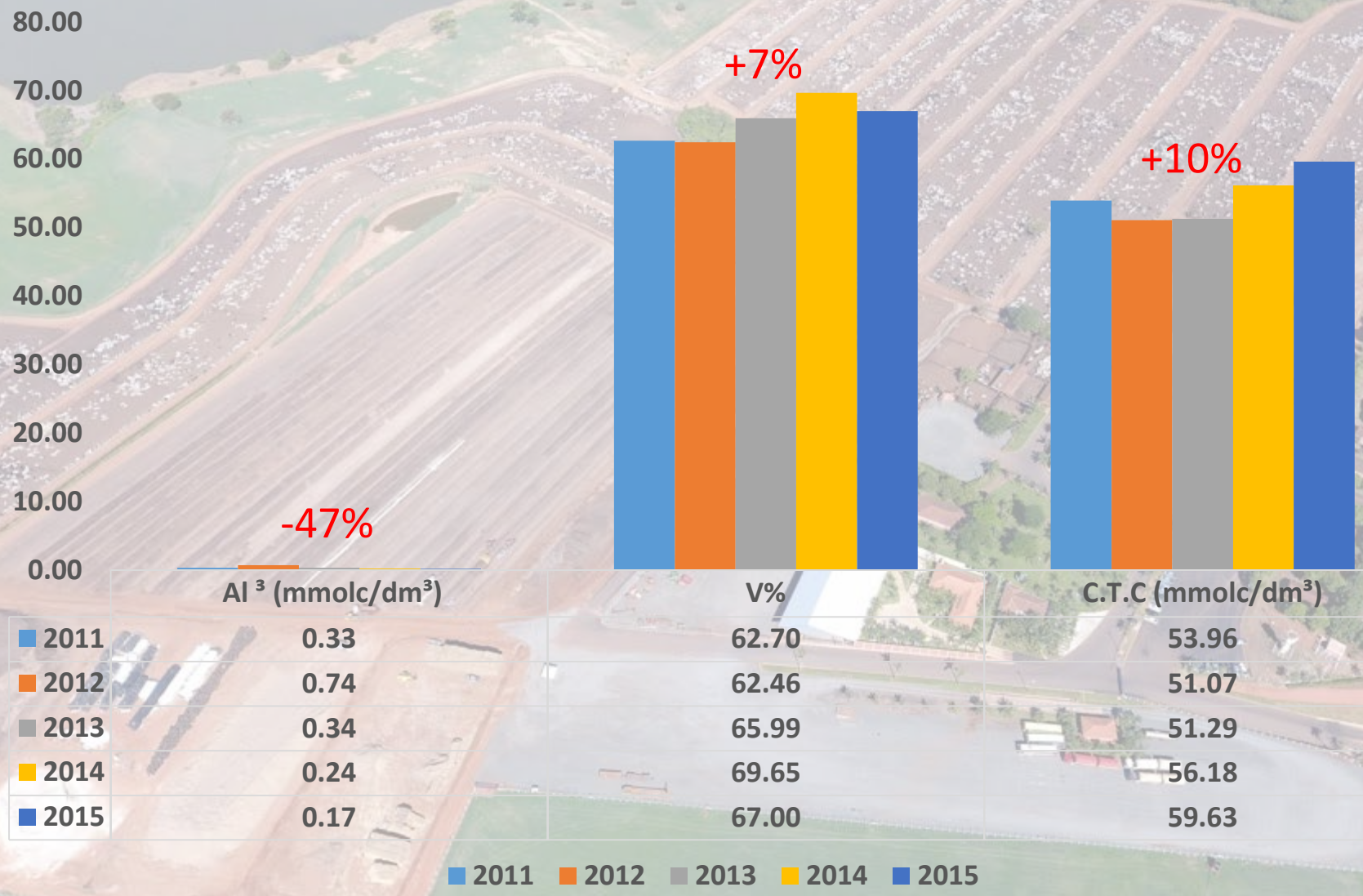
Soil samples- grid



- Soil Sampling grid
- One point for each 2 ha (renewal areas)
- One point for each 2 ha (ratoons areas)
- 12 sub-samples per point

Variable Rate Aplication

Soil improvement

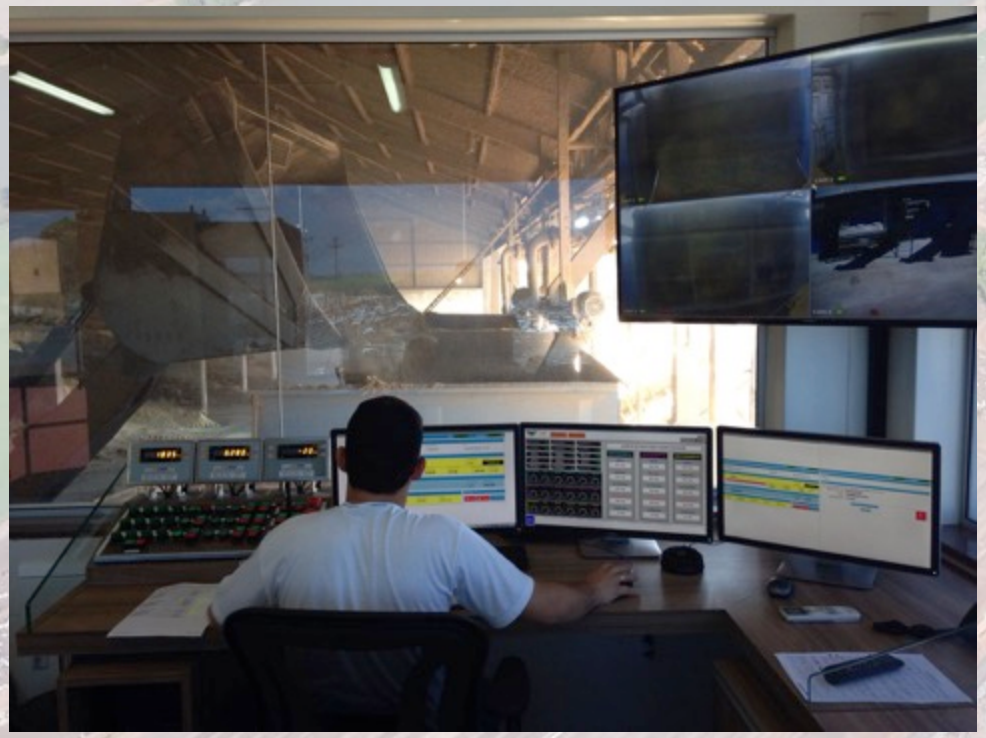


	Al ³ (mmolc/dm³)	V%	C.T.C (mmolc/dm³)
2011	0.33	62.70	53.96
2012	0.74	62.46	51.07
2013	0.34	65.99	51.29
2014	0.24	69.65	56.18
2015	0.17	67.00	59.63

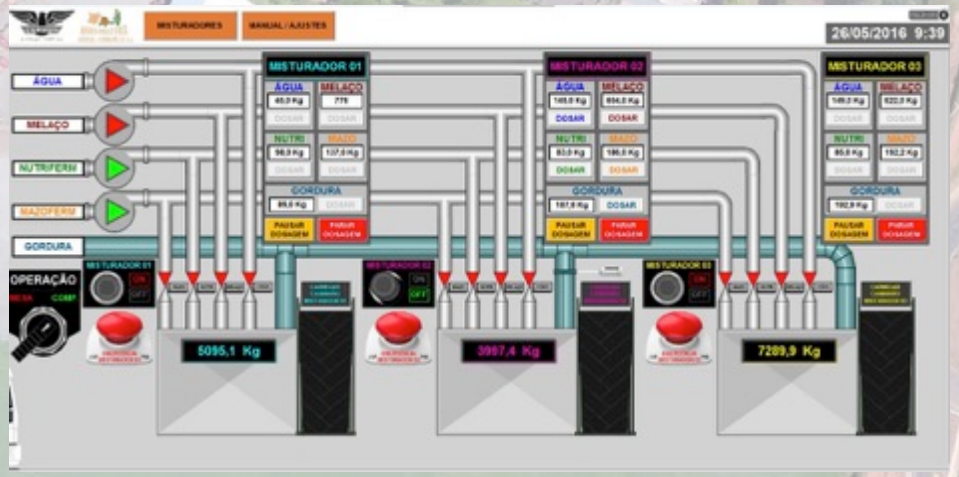
Cattle

- 60.000 harvest cattle / year
- 25.000 cattle background / year
- ERAS
- Global GAP

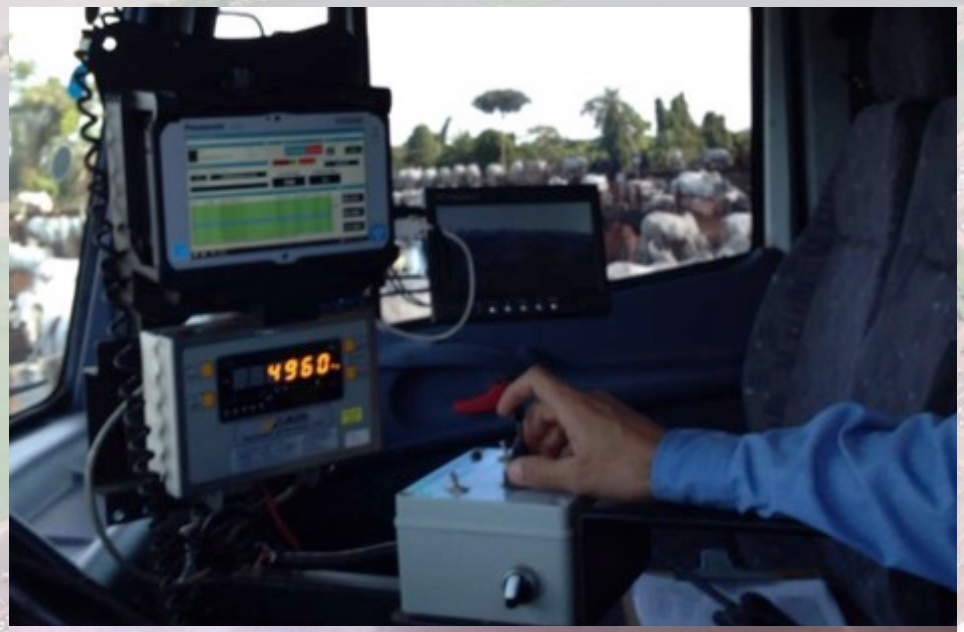
Feed Mill

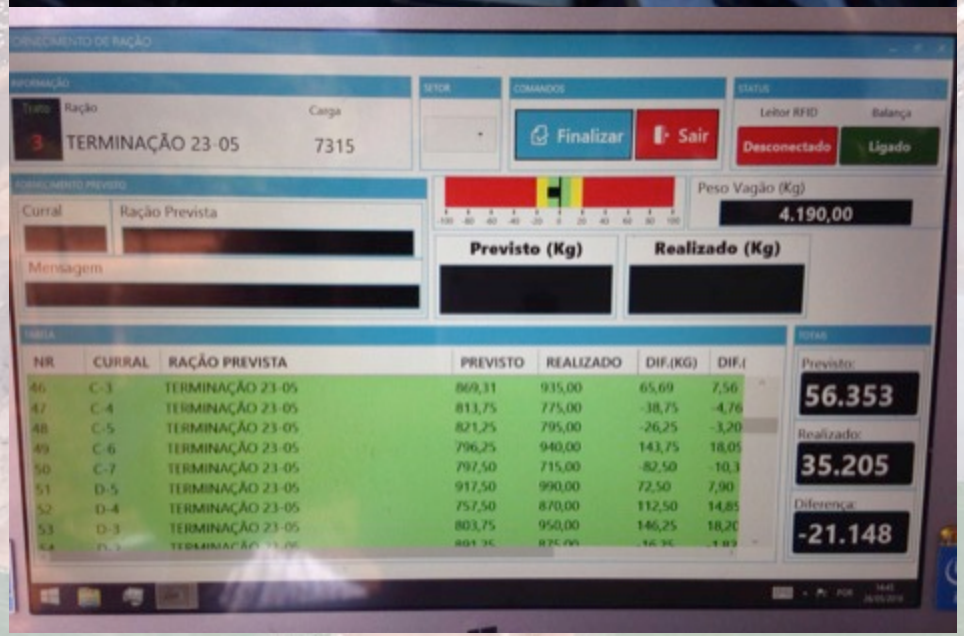


- 3 mixers
- 100% automatic
- Feed Traceability
- ERP & CLP

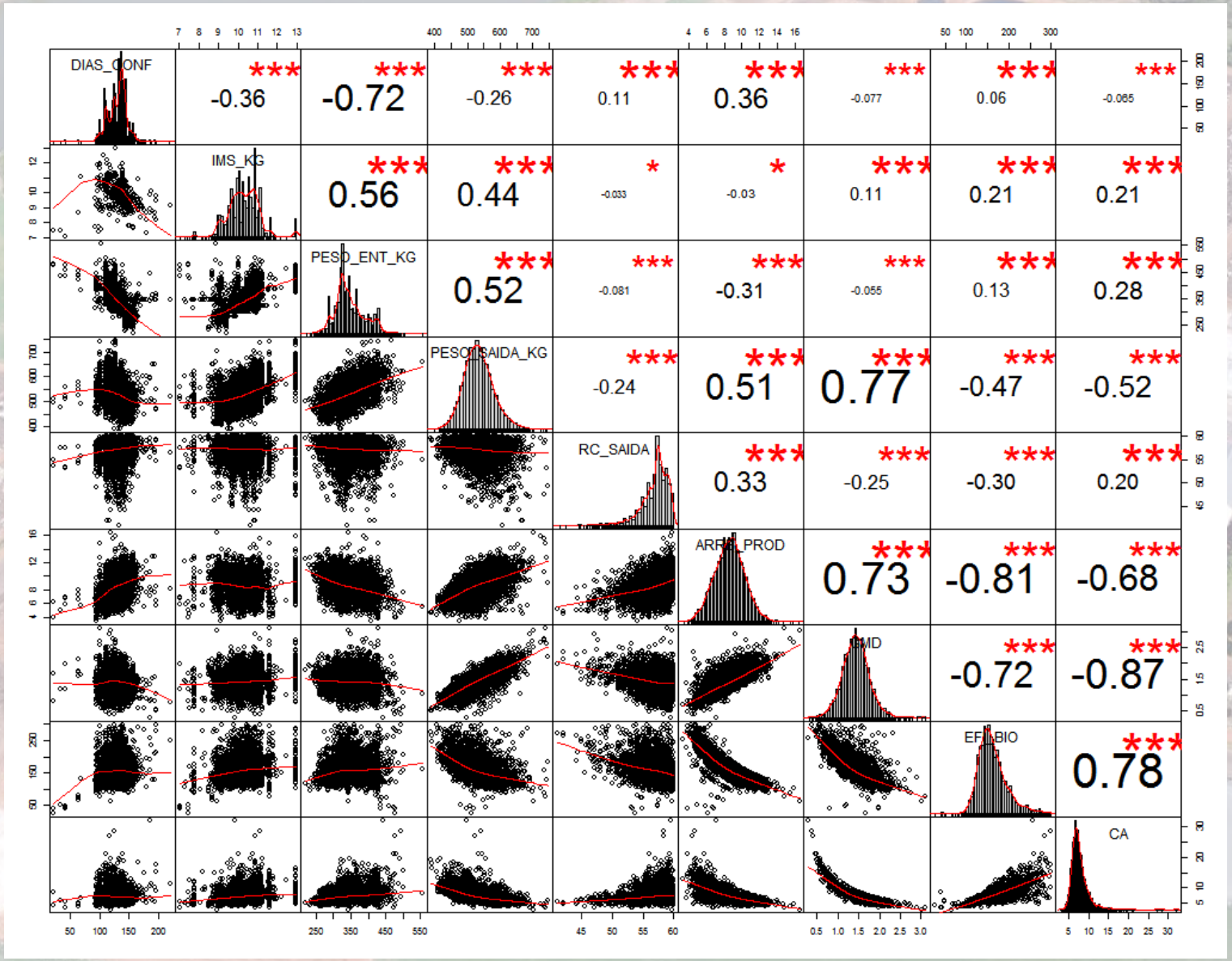


Automatic Feed delivery





Correlation matrix

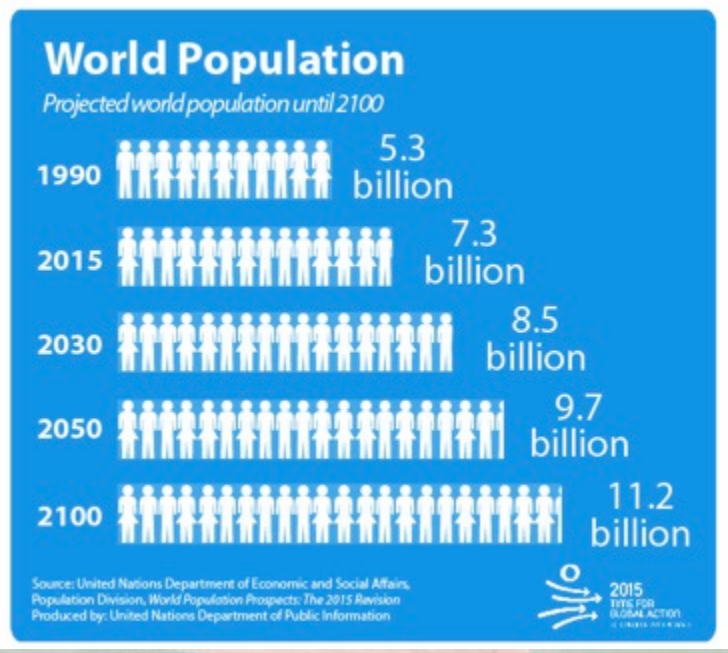


Baling Sugarcane Straw for feeding

Farming in 2027

- Less Farmers (concentration)
- Environmental pressure
- Labor regulations
- Sustainability (1+1=3)
- Traceability and Transparency
- Technology x Organics x Millennials

amazon WHOLE FOODS MARKET



New GMO crop: Brazil approves insect resistant sugarcane for commercial use

Ana Mano | June 9, 2017 | Reuters

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Brazilian biosecurity agency CTNBio on Thursday [June 8] approved commercial use of a genetically modified sugarcane, setting a milestone for Brazil's highly competitive sugar industry which accounts for about 50 percent of the global trade.

This is the first time in the world that genetically modified sugarcane was approved for commercial use.

AGRO-PASTORIL
PASCHOAL CAMPANELLI S.A.

TECNO BEEF

Thanks !!!!