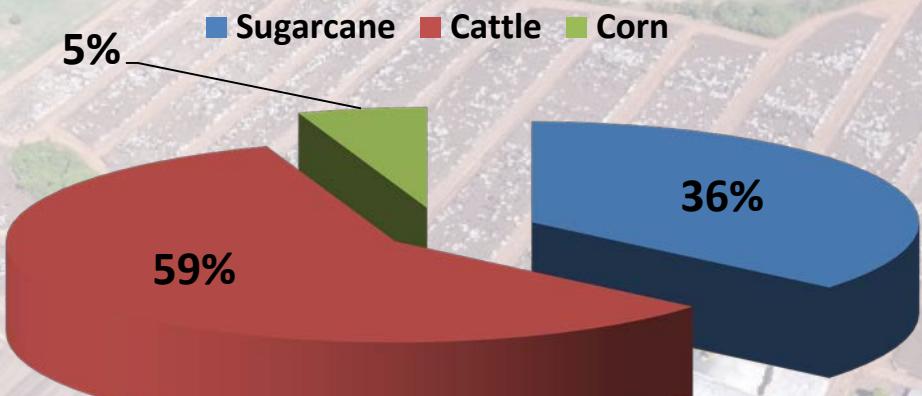


An aerial photograph of a vast agricultural and industrial complex. The top half of the image shows a large area of land divided into numerous rectangular fields, some covered in green crops and others in brown soil. A river or canal runs along the left side. In the center-right, there is a cluster of industrial buildings, including several large white structures with blue roofs, surrounded by trees and parking lots. A road network connects the different parts of the complex.

Agro Pastoril Paschoal Campanelli

Victor Campanelli

Agro Pastoril Paschoal Campanelli



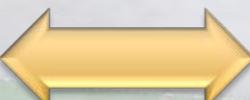
- ❖ Farm area – 16.000 ha
- ❖ 9.200 hectares - Sugarcane
- ❖ 2.500 hectares – Corn
- ❖ 5.000 hectares – Background Pasture
- ❖ 60.000 harvest cattle / year
- ❖ 25.000 cattle background / year

Business Model

Management

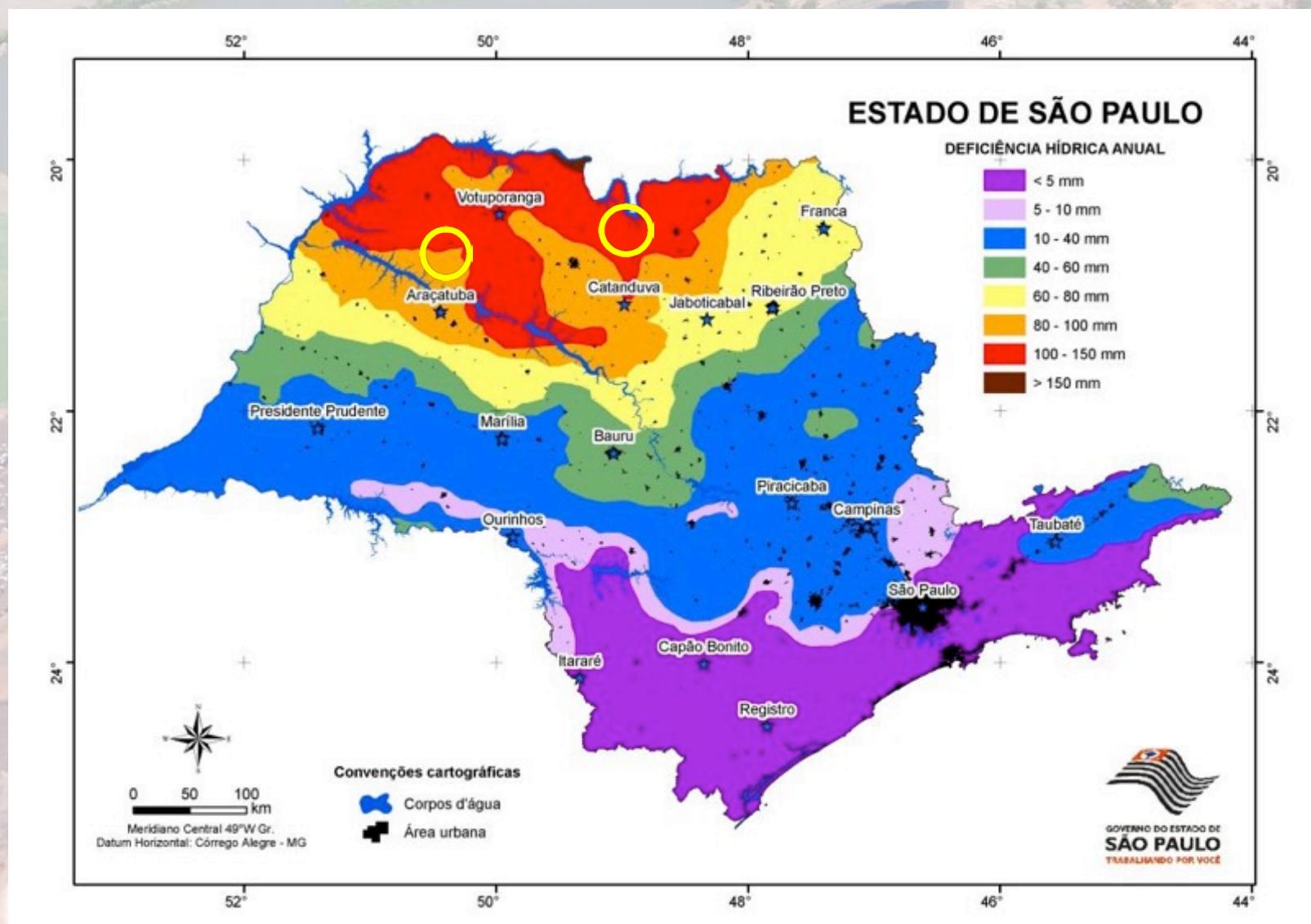


Synergy



Technology

Severe Water Restriction





Sustainability and Synergy



Sugarcane Historical Yield

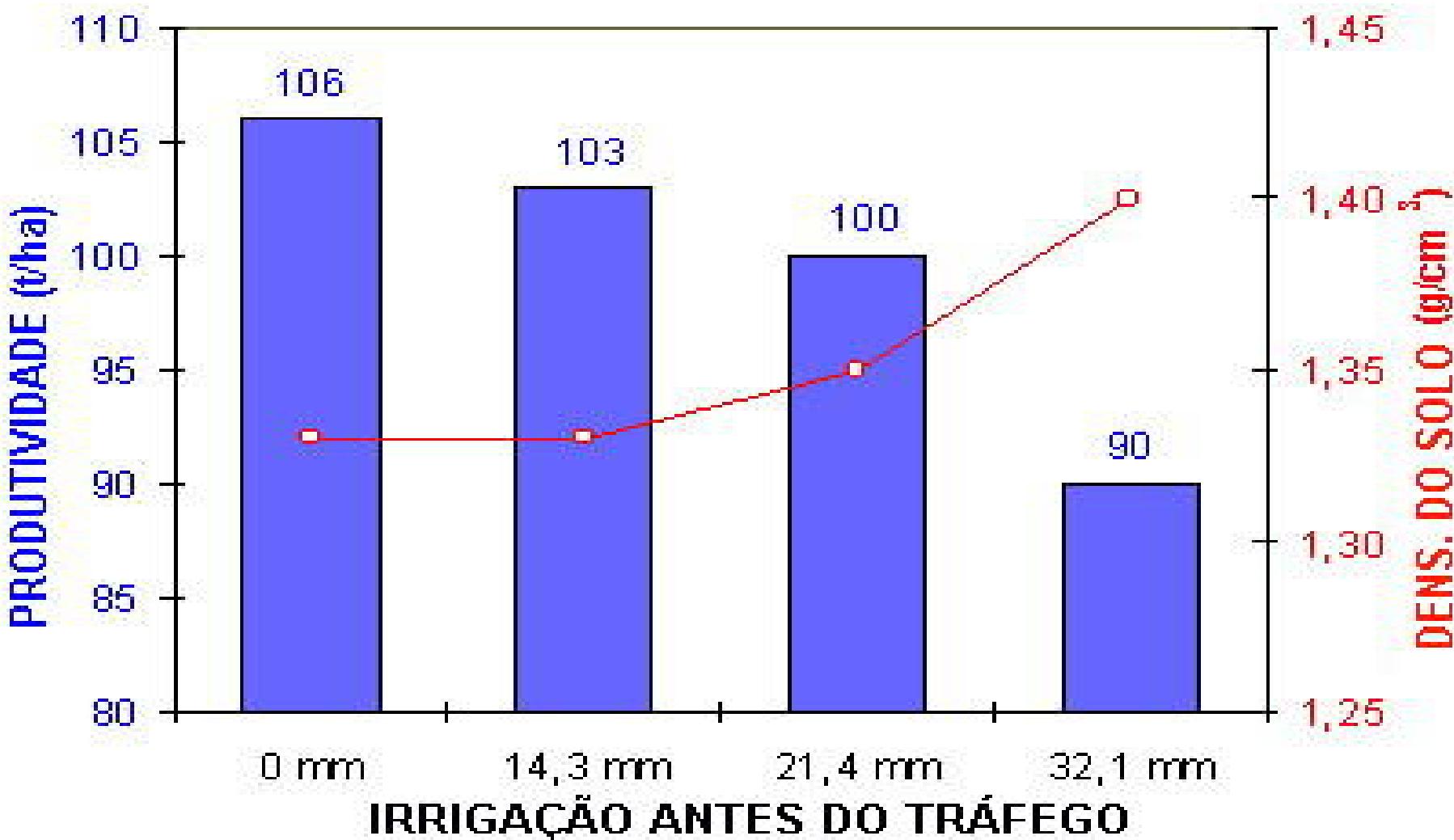


Traffic control and systematization - Harvesting

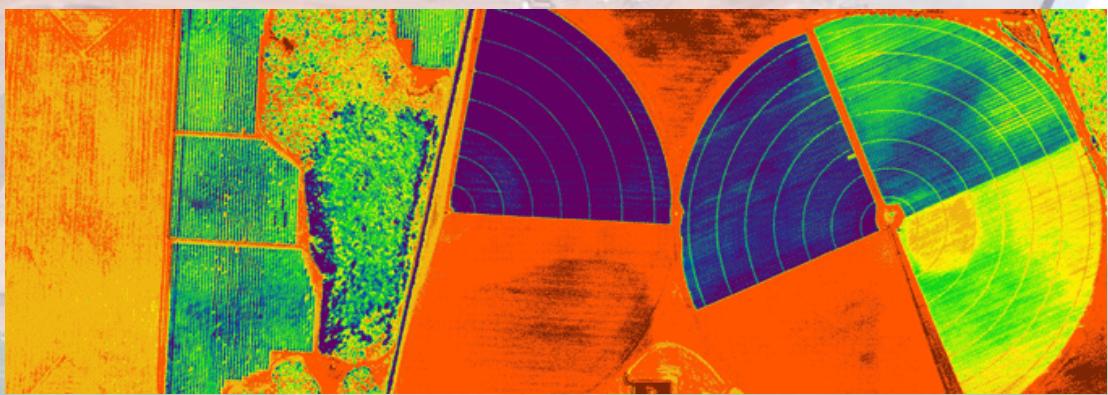
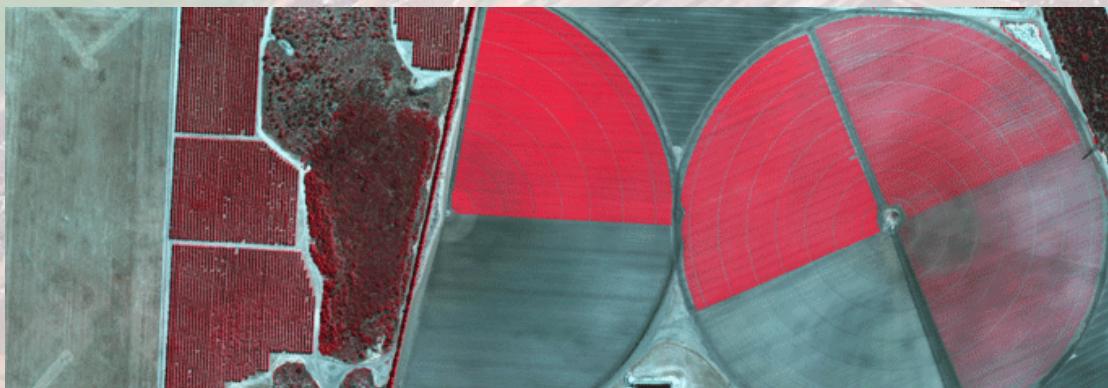
Entrelinhas - Tráfego

Linha de cana

Soil compaction – Yield 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

Imagen: 26/05/2014

Imagen tipo: RGB



Mosaico



GEO AGRI
TECNOLOGIA AGRÍCOLA

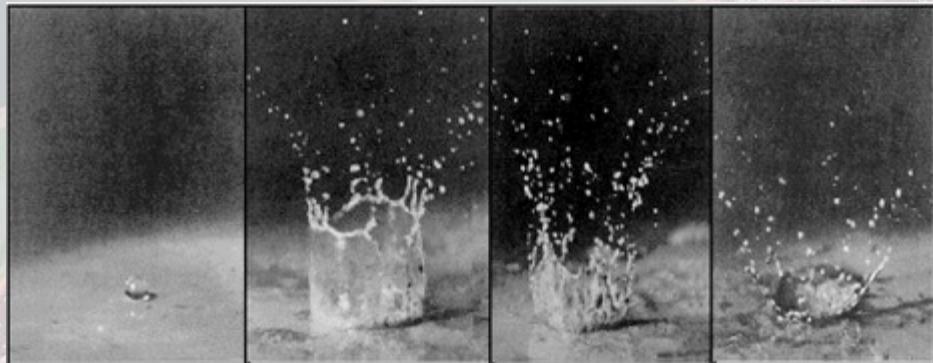


	km	%
Comprimento total de linhas plantados	165,86	100,00
Comprimento total de falhas acima de 0,5 m	30,23	18,22
Comprimento total de falhas acima de 1,0 m	25,85	15,58
Comprimento total de falhas acima de 2,0 m	19,28	11,62

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

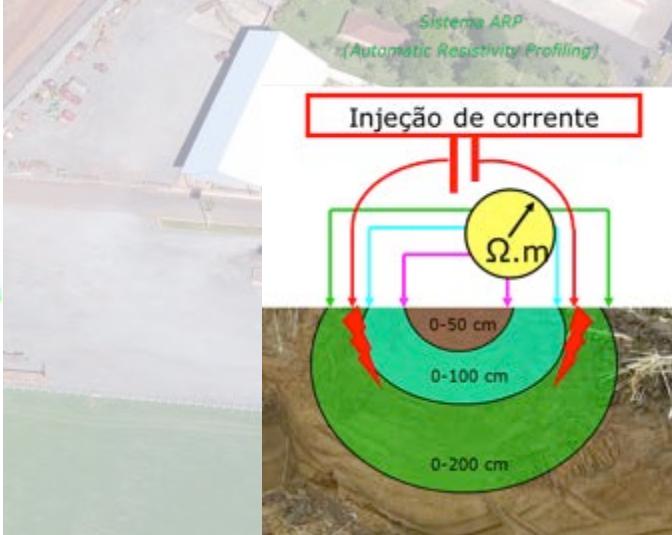
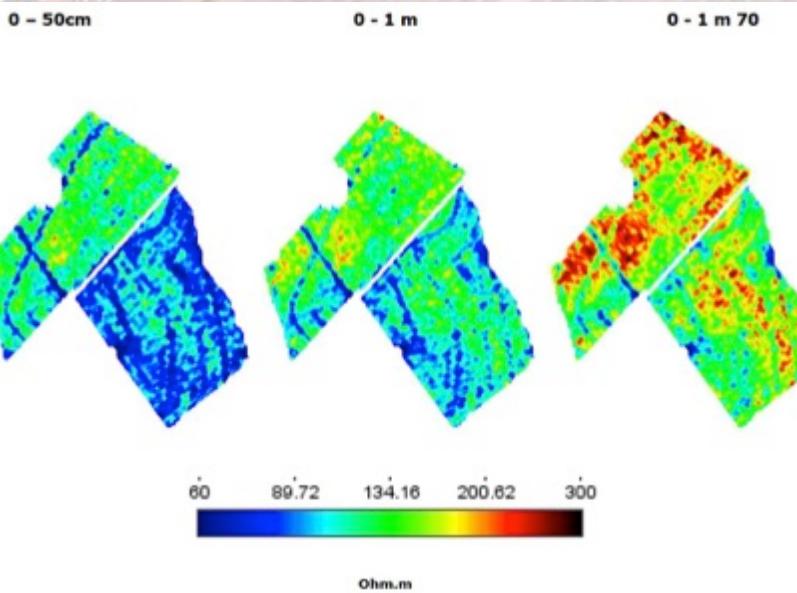
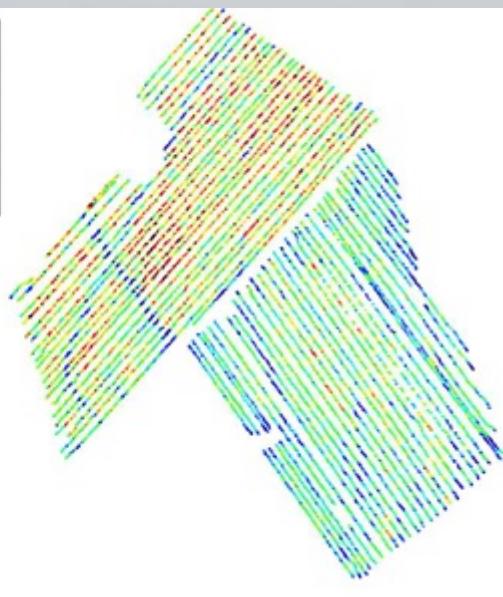


No till planting - Sugarcane

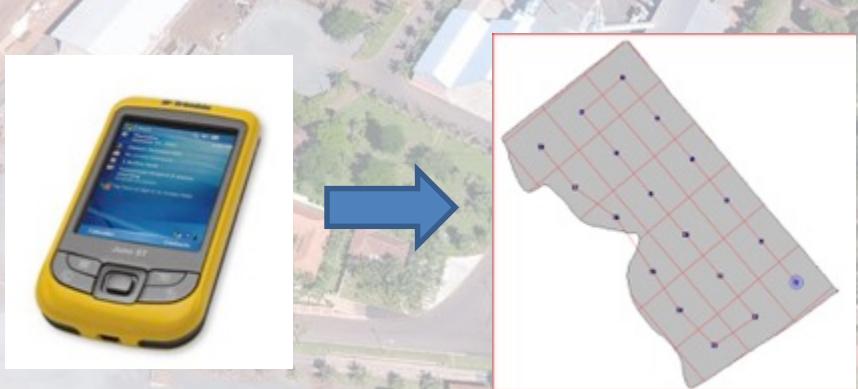


Electric Conductivity

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 Application



Soil improvement

80.00

70.00

60.00

50.00

40.00

30.00

20.00

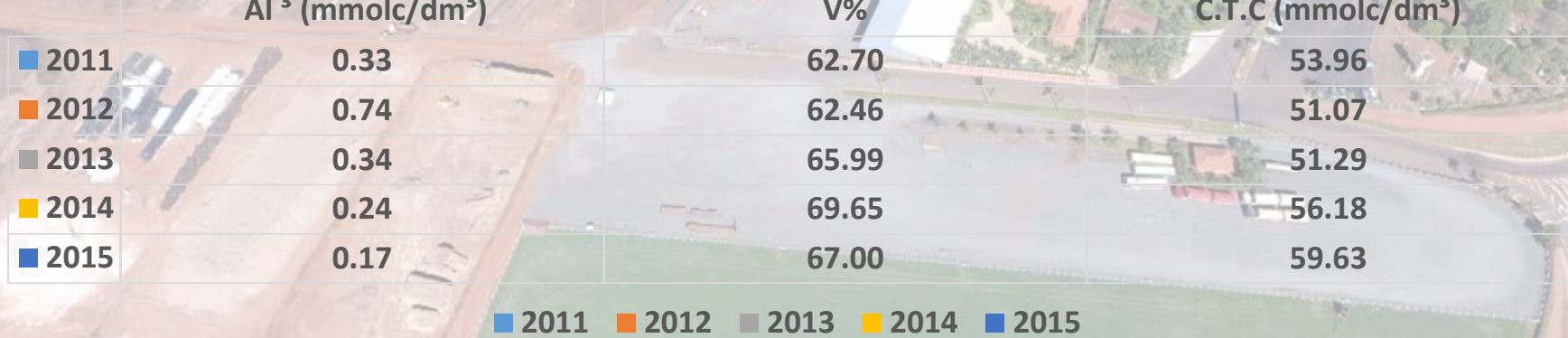
10.00

0.00

-47%

+7%

+10%

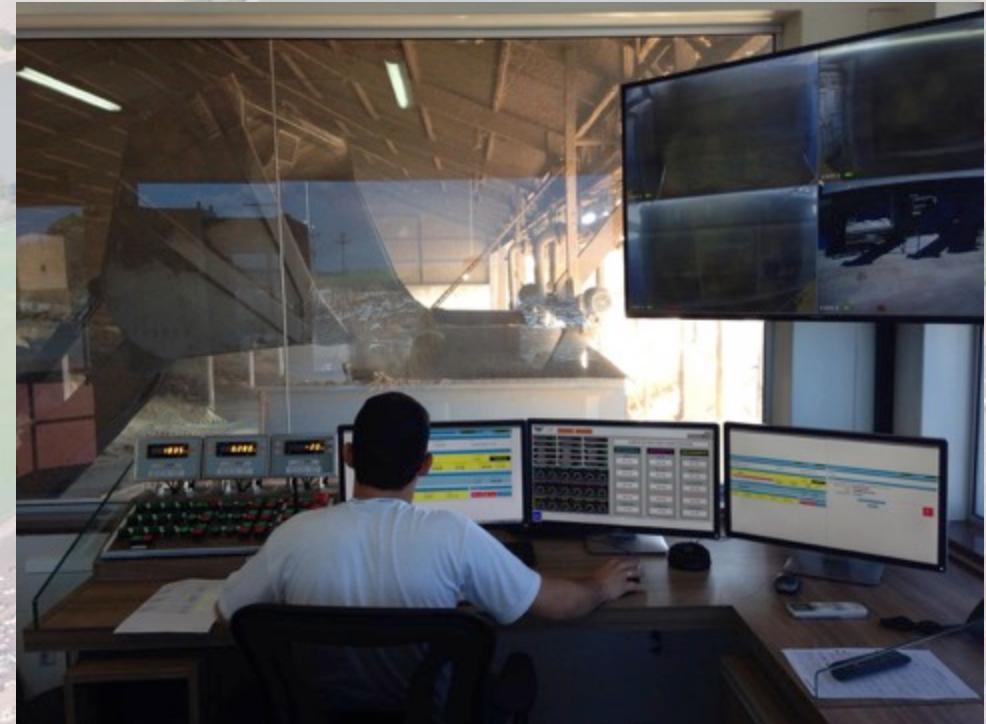


Cattle



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

Feed Mill



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

MISTURADOR 2

Lote: 00000000000000000000000000000000

LED: ON Balança: ON

PERCUSAOES

Ração em Produção: TERMINAÇÃO 23-05 Total da Ração (Kg): 7.000,00 Data: 26/05/2016 09:32

INGREDIENTES ATIVOS

Seq	Ingrediente	Tolerância (%)	Balança	
8	MILHO GRAO UMIDO	5,00	4.185,00	
	Peso (Kg)	Arealizado (Kg)	Diferença (Kg)	Diferença (%)
	1.813,00	5,00	-1.808,00	-99,72

PRÓXIMO INGREDIENTE

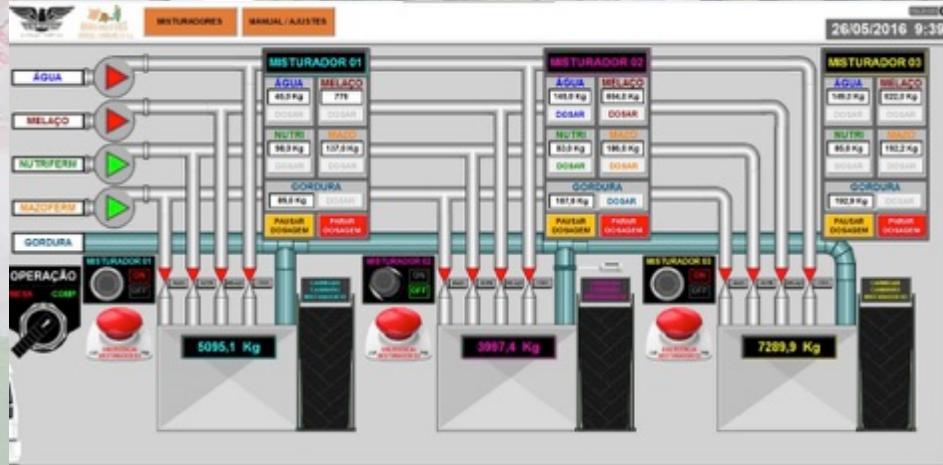
Seq	Ingrediente	Tolerância (%)	Peso (Kg)
9	AGUA	3,00	145,60

TOTAL:

Peso (Kg)	Balança (Kg)	Diferença (Kg)	Diferença (%)	Tempo
7.000,70	4.140,00	6.815,70	97,36	00:11:00

COMANDOS

Automação Cancelar Pular



Automatic Feed delivery

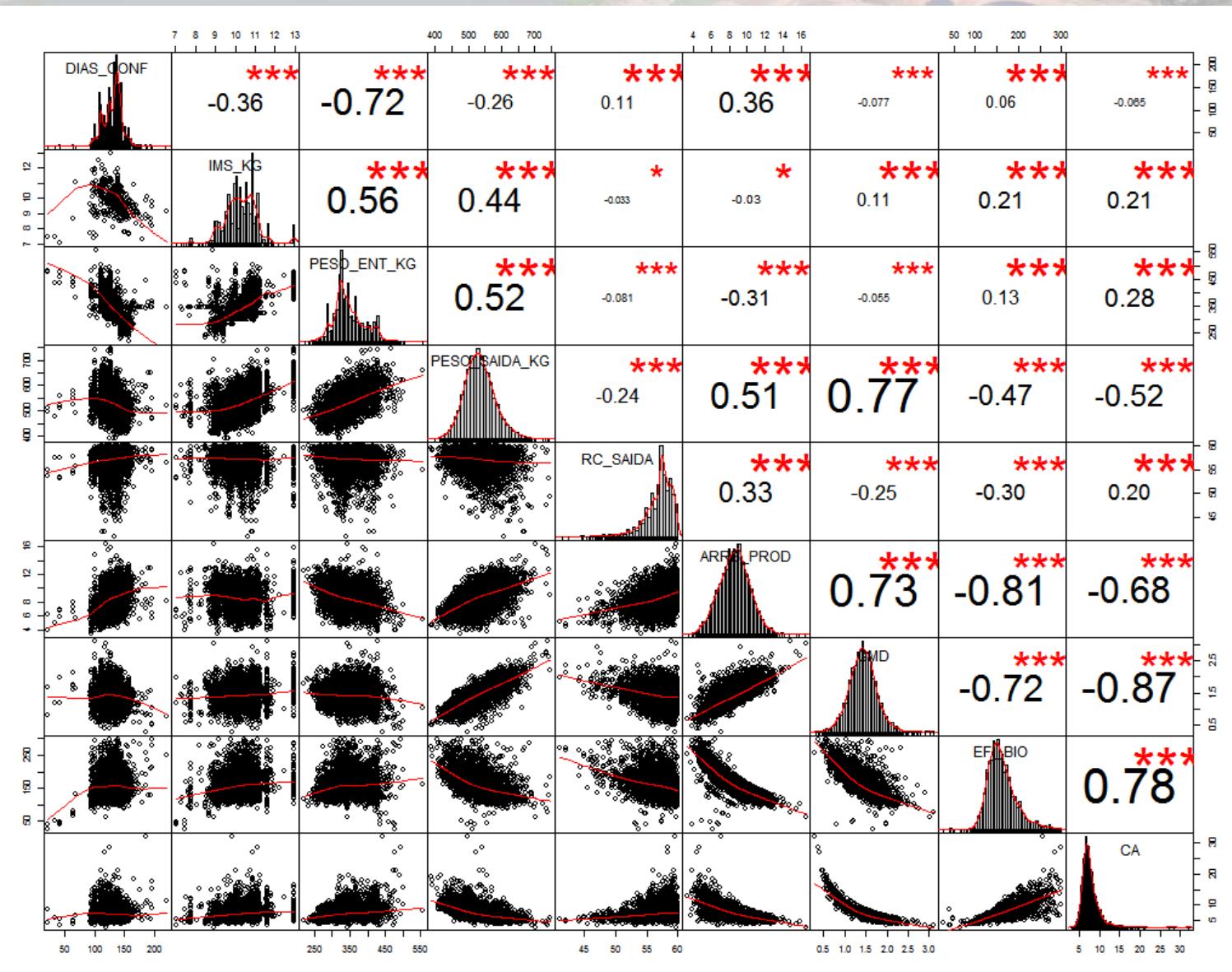


GERENCIAMENTO DE RAÇÃO

INFORMAÇÃO		SETOR	COMANDOS		STATUS					
Tipo:	Ração	Carga:	-	Finalizar	Sair	Leitor RFID	Balança			
3	TERMINAÇÃO 23-05	7315				Desconectado	Ligado			
CONSUMO PREVISTO					Peso Vagão (Kg)					
Curral	Ração Prevista		100	80	60	40	20	0	100	4.190,00
Mensagem										
TABELA					ROTAS					
NR	CURRAL	RAÇÃO PREVISTA	PREVISTO	REALIZADO	DIF.(KG)	DIF.%				
46	C-3	TERMINAÇÃO 23-05	869,31	935,00	65,69	7,56				
47	C-4	TERMINAÇÃO 23-05	813,75	775,00	-38,75	-4,76				
48	C-5	TERMINAÇÃO 23-05	821,25	795,00	-26,25	-3,20				
49	C-6	TERMINAÇÃO 23-05	796,25	940,00	143,75	18,05				
50	C-7	TERMINAÇÃO 23-05	797,50	715,00	-82,50	-10,3				
51	D-5	TERMINAÇÃO 23-05	917,50	990,00	72,50	7,90				
52	D-4	TERMINAÇÃO 23-05	757,50	870,00	112,50	14,85				
53	D-3	TERMINAÇÃO 23-05	803,75	950,00	146,25	18,20				
54	D-2	TERMINAÇÃO 23-05	801,35	825,00	24,65	3,05				



Correlation matrix

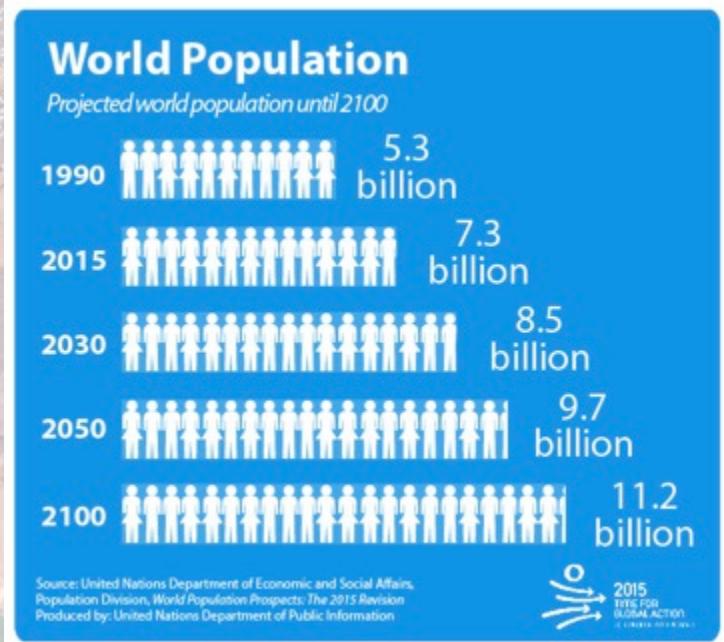


Baling Sugarcane Straw for feeding



Farming in 2027

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



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

Ana Mano | June 9, 2017 | Reuters

PRINTER FRIENDLY

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.

A close-up photograph of several thick, yellow-green stalks of sugarcane growing in a field under a clear blue sky. To the left, a row of green sugarcane plants is visible.



Thanks !!!!