



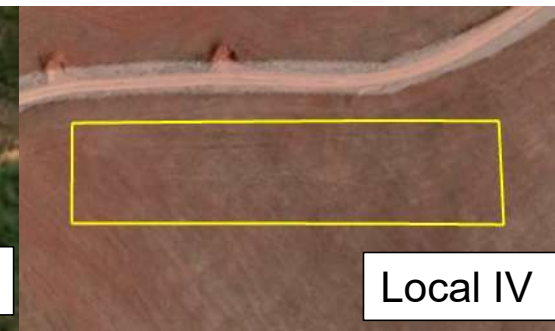
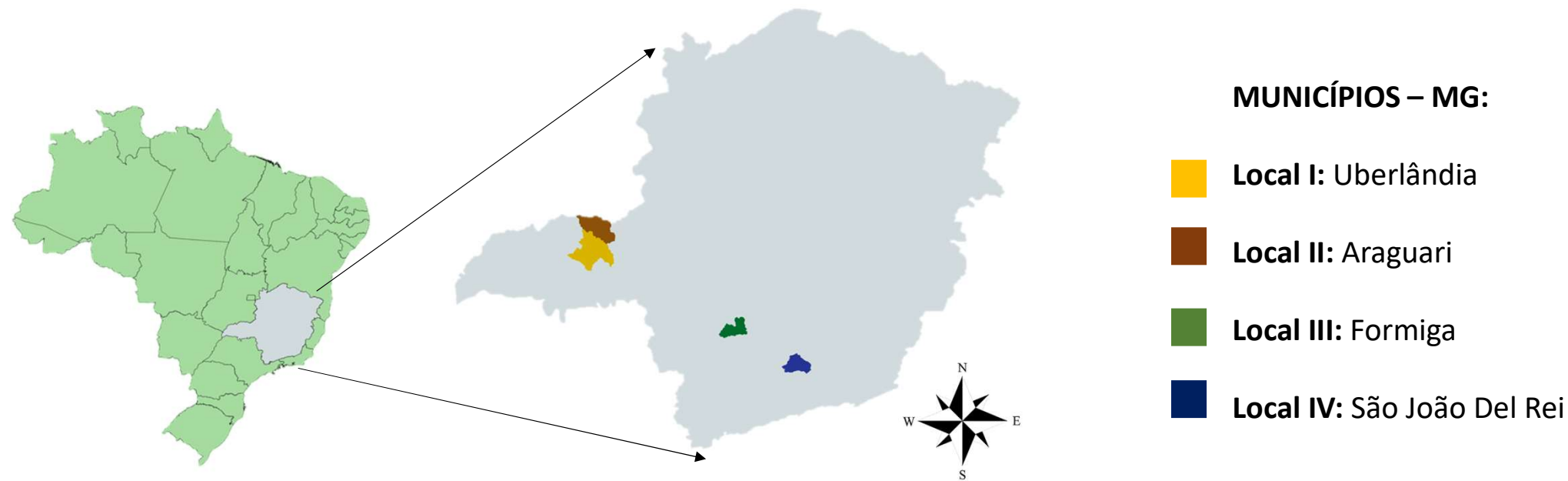
DETERMINAÇÃO DA NECESSIDADE DE CALAGEM PARA A PRODUÇÃO DE CULTURAS ANUAIS

JOSIAS REIS FLAUSINO GAUDENCIO

Mestrando em Fitotecnia

18 nov. 2022

Descrição dos locais



Atributos químicos dos solos

Id. Amostra	pH		K	Ca	Mg	Al	H+Al	CTC (t)	CTC (T)	V
	(H ₂ O)	(CaCl ₂)								
LOCAL I - 0,0 a 0,20 m	5,3	4,7	0,06	1,2	0,5	0,2	1,8	1,98	3,58	49,72
LOCAL I - 0,20 a 0,40 m	5	4,4	0,03	1,2	0,3	0,2	1,6	1,74	3,14	49,04
LOCAL II - 0,0 a 0,20 m	5,1	4,5	0,26	1,2	1,1	0,6	5,3	3,17	7,87	32,66
LOCAL II - 0,20 a 0,40 m	5	4,4	0,13	0,8	0,6	0,8	4,5	2,34	6,04	25,5
LOCAL III - 0,0 a 0,20 m	4,5	3,9	0,04	0,9	0,1	1,4	7	2,46	8,06	13,15
LOCAL III - 0,20 a 0,40 m	4,7	4,1	0,03	0,8	0,1	1,4	5,8	2,36	6,76	14,2
LOCAL IV - 0,0 a 0,20 m	5	4,4	0,09	1,1	0,4	0,2	3,7	1,8	5,3	30,19
LOCAL IV - 0,20 a 0,40 m	4,7	4,1	0,06	0,9	0,2	0,2	3,2	1,37	4,37	26,77

Análise textural

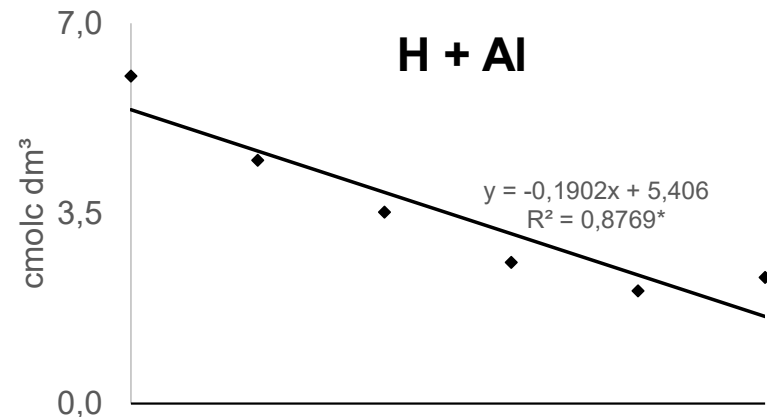
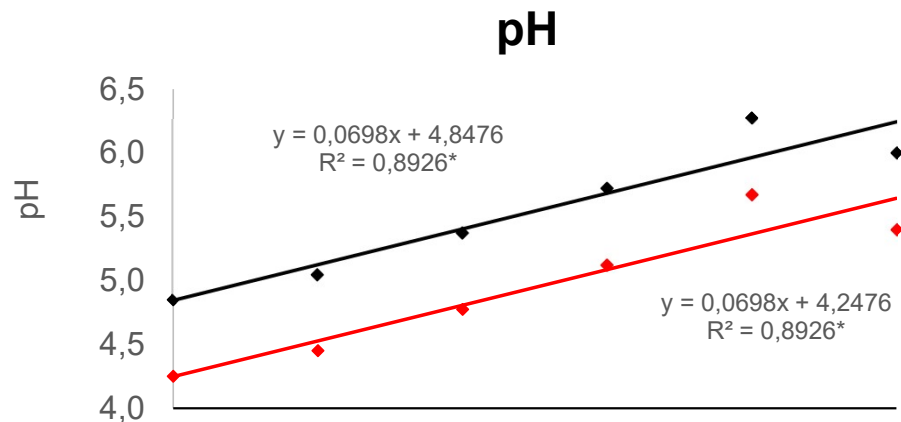
Área	Médias (%)			Classificação
	argila	areia	silte	
LOCAL I - 0,0 a 0,20 m	15	75,9	9,1	franco-arenosa
LOCAL I - 0,20 a 0,40 m	17,2	71,5	11,3	franco-arenosa
LOCAL II - 0,0 a 0,20 m	51,9	10	38,1	argilosa
LOCAL II - 0,20 a 0,40 m	56,8	9	34,1	argilosa
LOCAL III - 0,0 a 0,20 m	60,8	27,9	11,4	muito argilosa
LOCAL III - 0,20 a 0,40 m	61,8	29,5	8,75	muito argilosa
LOCAL IV - 0,0 a 0,20 m	63,7	10,6	25,7	muito argilosa
LOCAL IV - 0,20 a 0,40 m	64	10,8	25,2	muito argilosa

Calcários utilizados

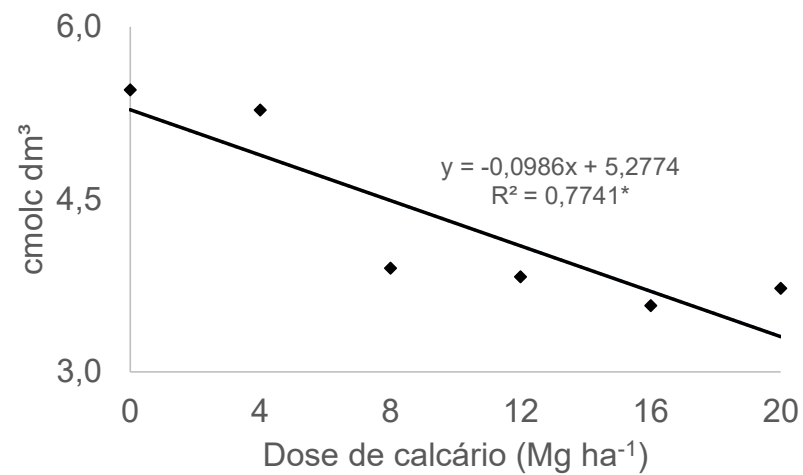
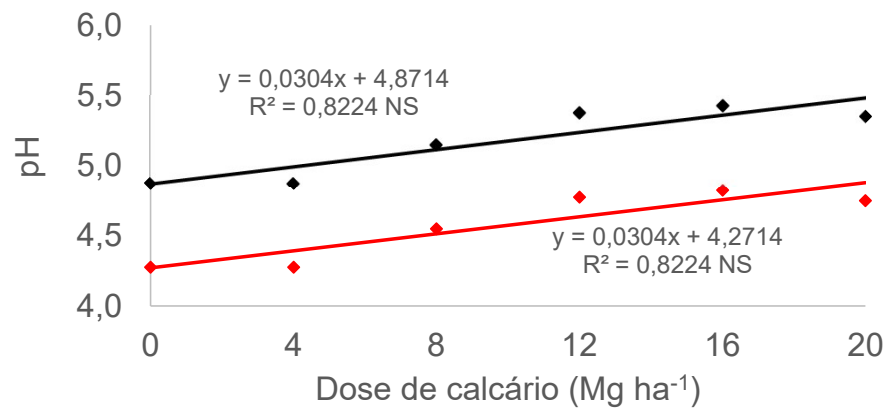
Id. Amostra	ANÁLISE QUÍMICA				
	ER	PN	PRNT	CaO	MgO
LOCALS I e II	91,19	108,59	99,9	32,82	17,64
LOCAL III	85,61	99,93	85,55	43,04	10,33
LOCAL IV	89,51	103,12	92,3	31,7	9,51

Fazenda Fundão – Araguari

0,0 a 0,20 m



0,20 a 0,40 m

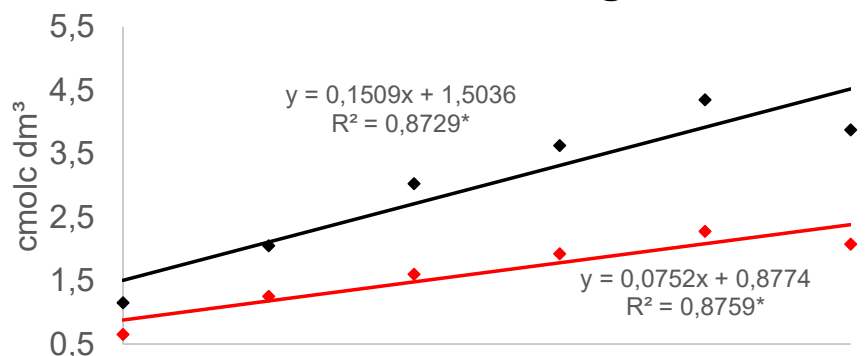


◆ pH (H₂O) ◆ pH (CaCl₂)

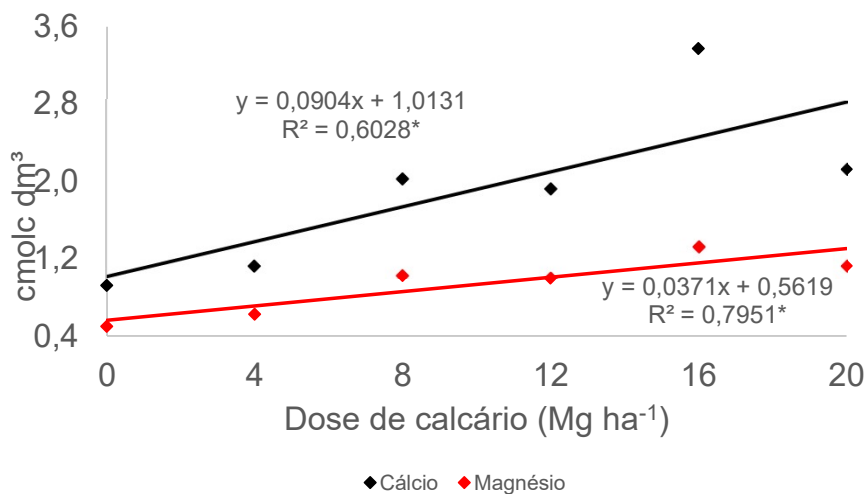
Fazenda Fundão – Araguari

Cálcio e Magnésio

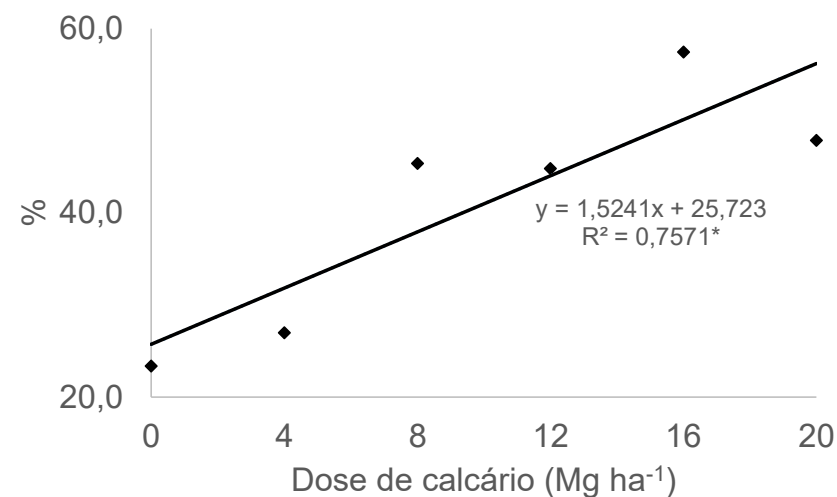
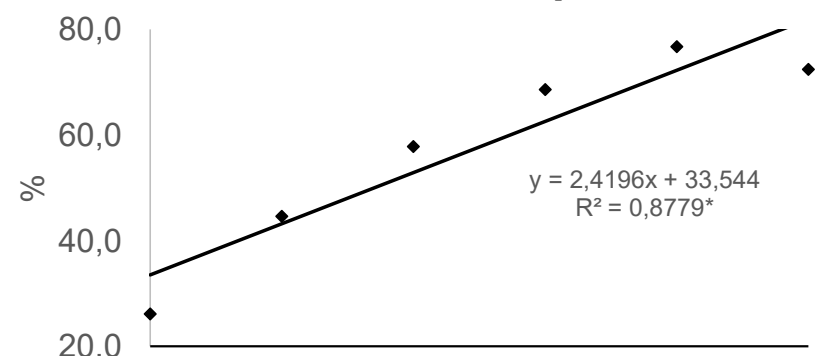
0,0 a 0,20 m



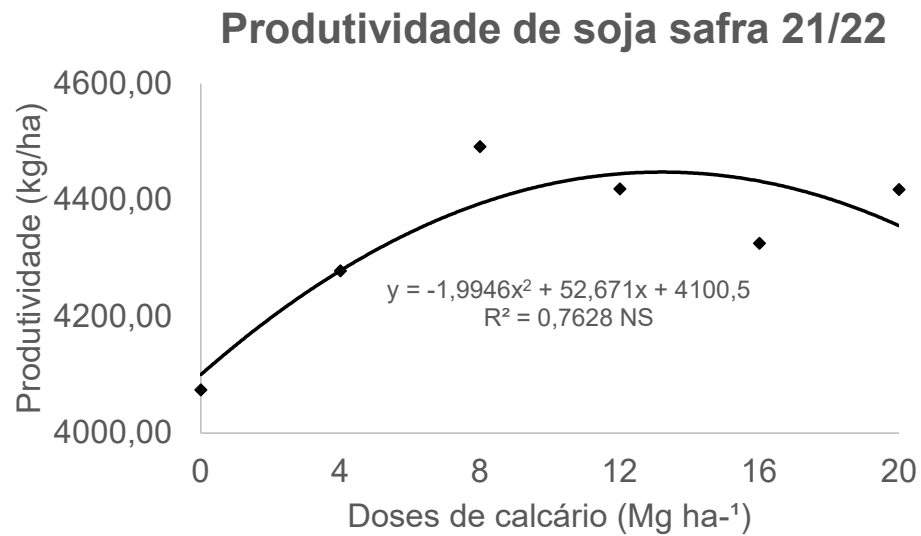
0,20 a 0,40 m



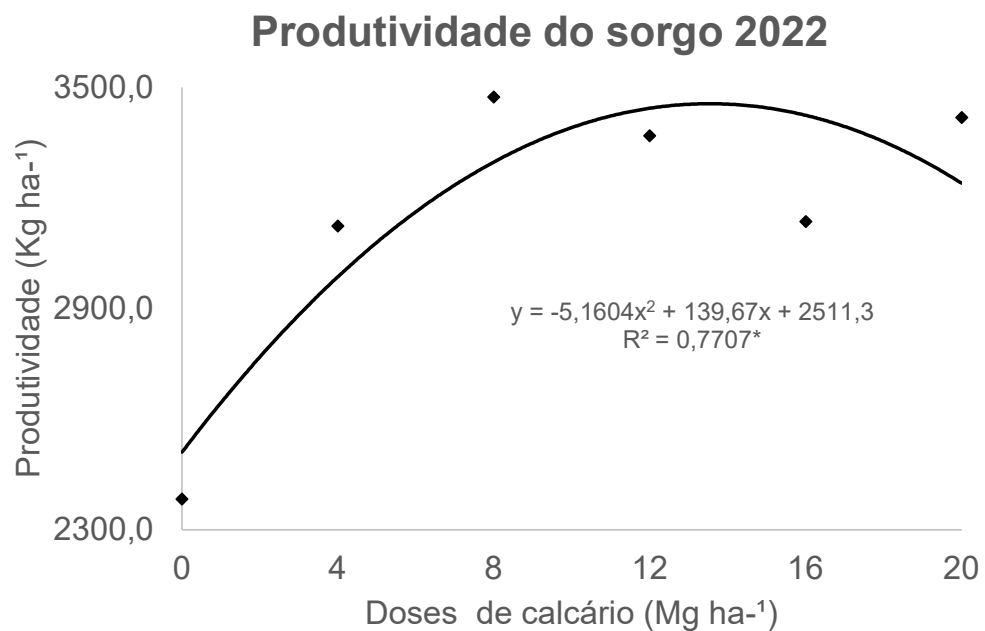
Saturação por bases



Produtividade - SOJA

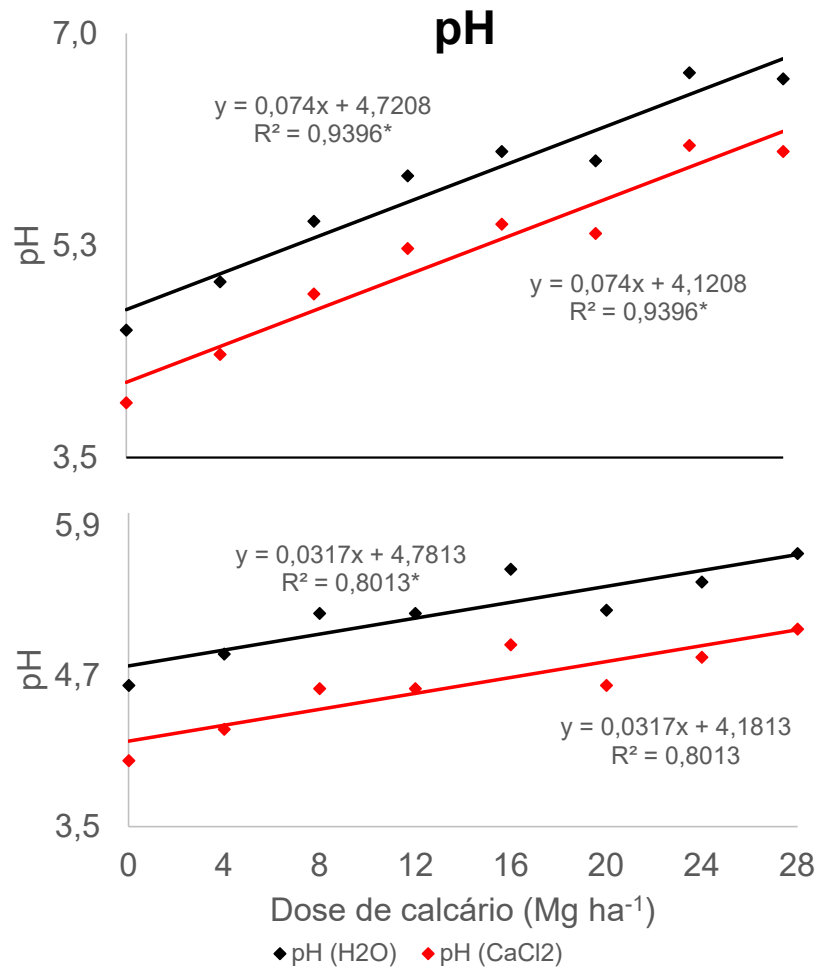


Produtividade - SORGO

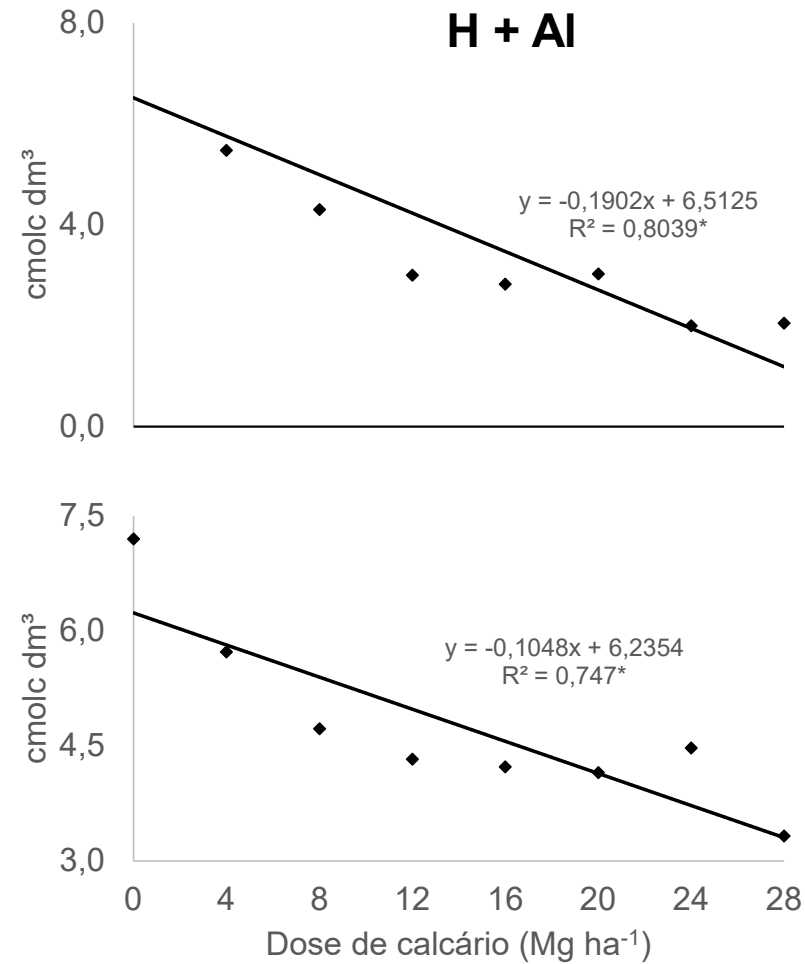
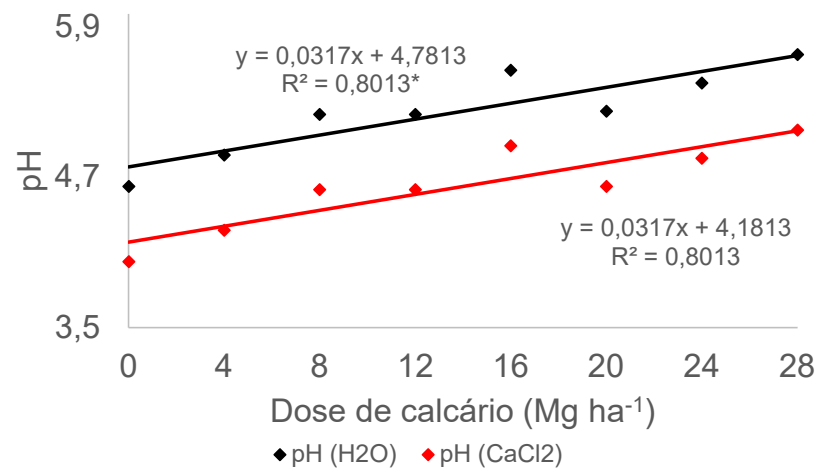


Fazenda Solo Fértil – Formiga

0,0 a 0,20 m



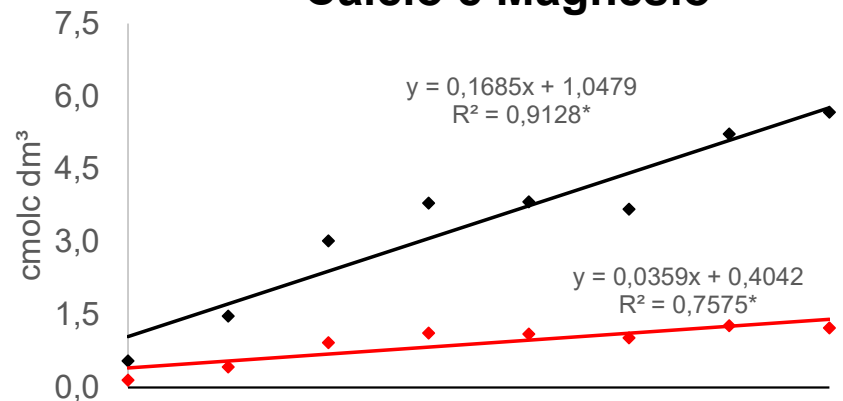
0,20 a 0,40 m



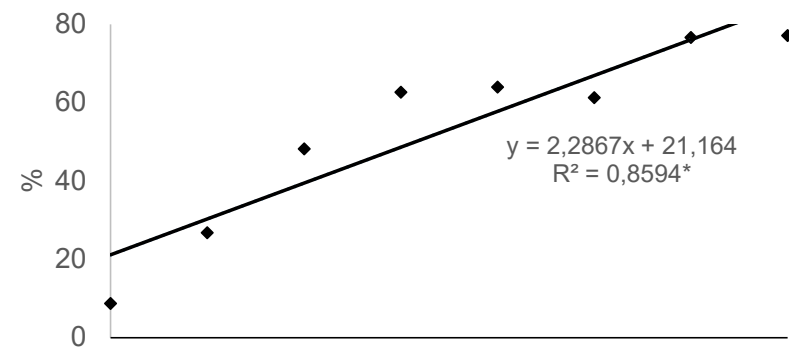
Fazenda Solo Fértil – Formiga

0,0 a 0,20 m

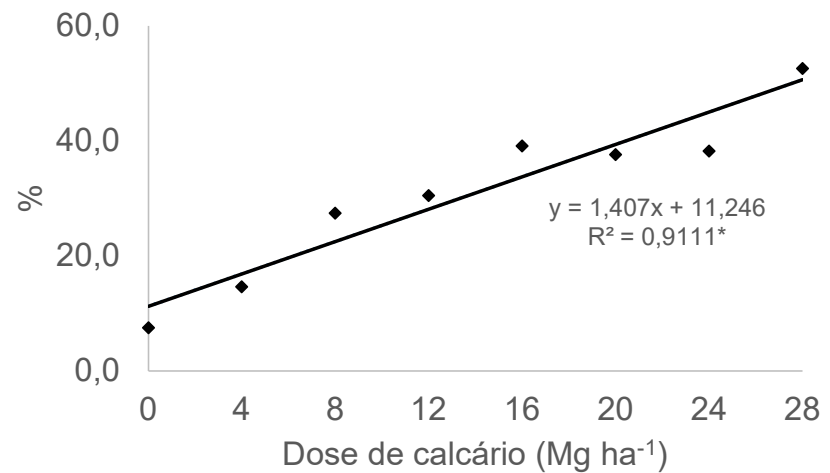
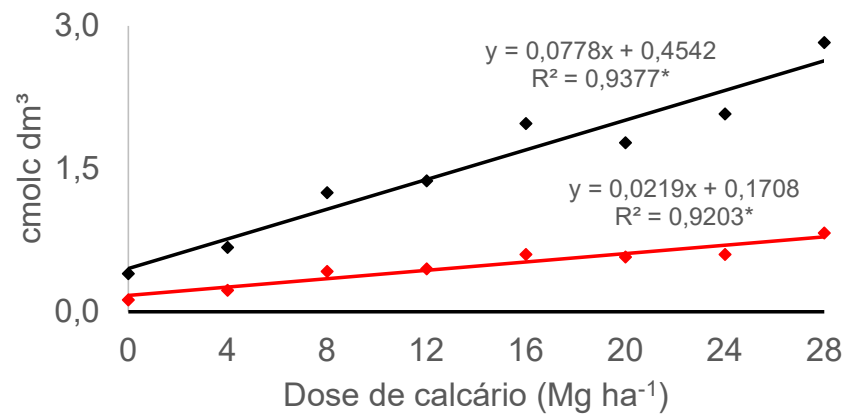
Cálcio e Magnésio



Saturação por bases

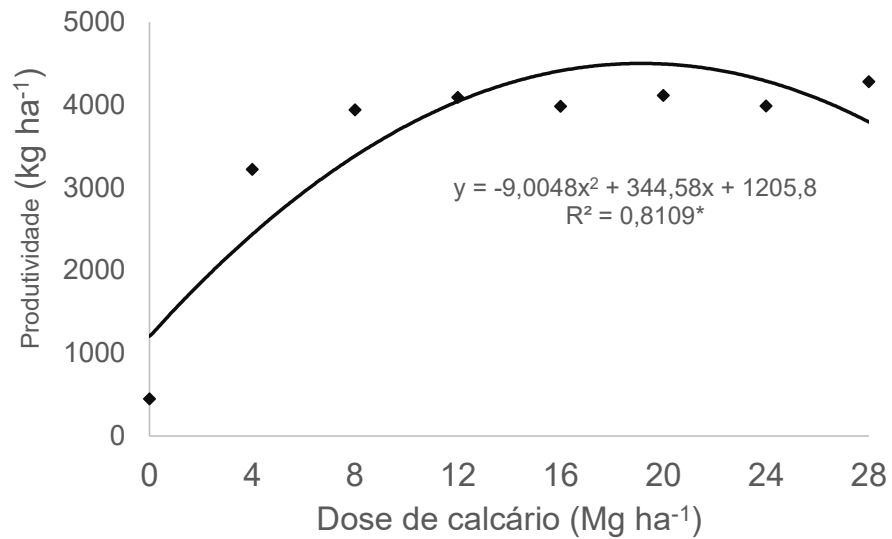


0,20 a 0,40 m



◆ Cálcio ◆ Magnésio

Produtividade - SOJA

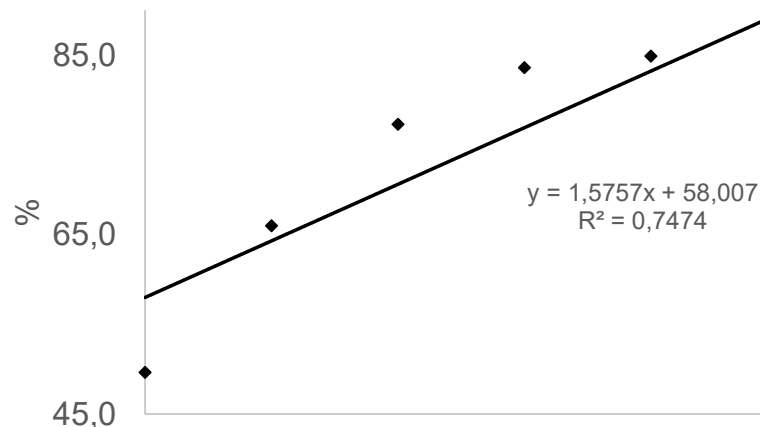
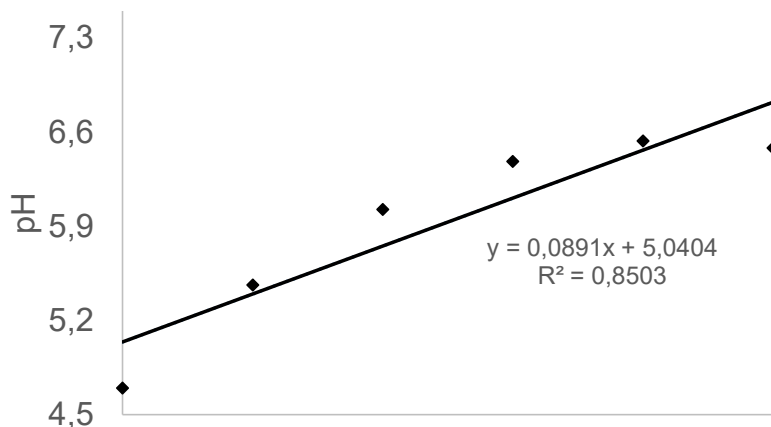


Produtividade - SOJA

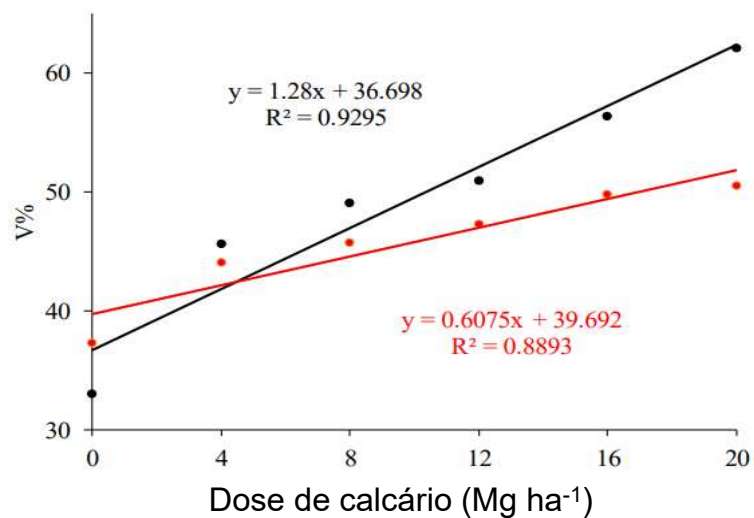
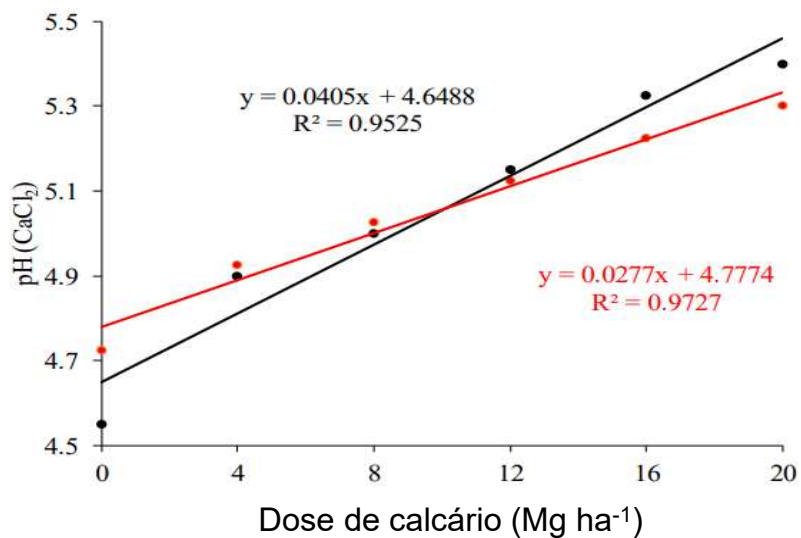


Fazenda Palma da Babilônia – Uberlândia

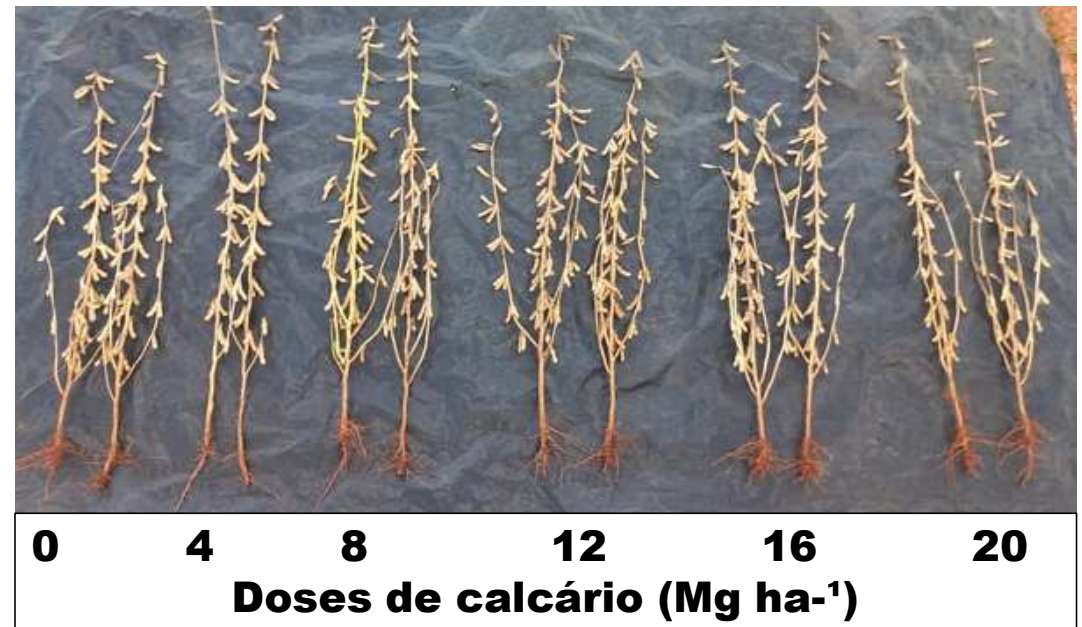
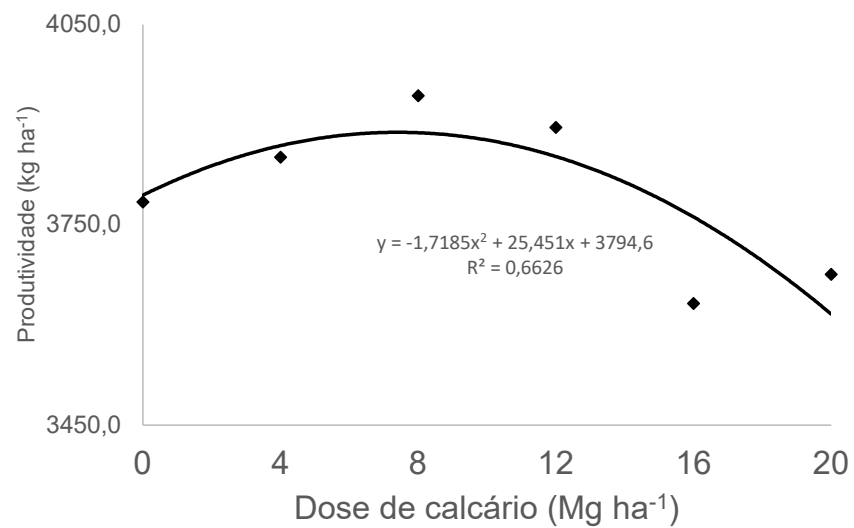
0,0 a 0,20 m



0,20 a 0,40 m
0,40 a 0,60 m

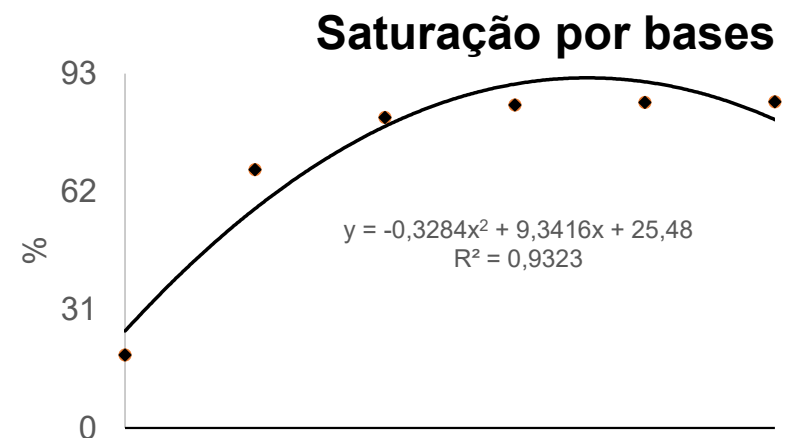
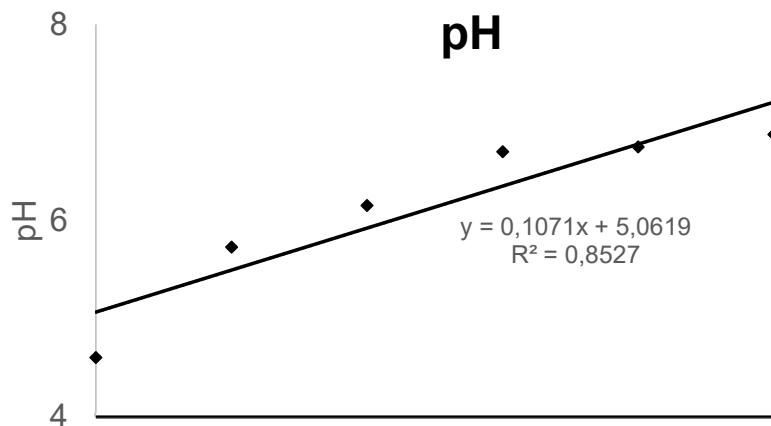


Produtividade - SOJA

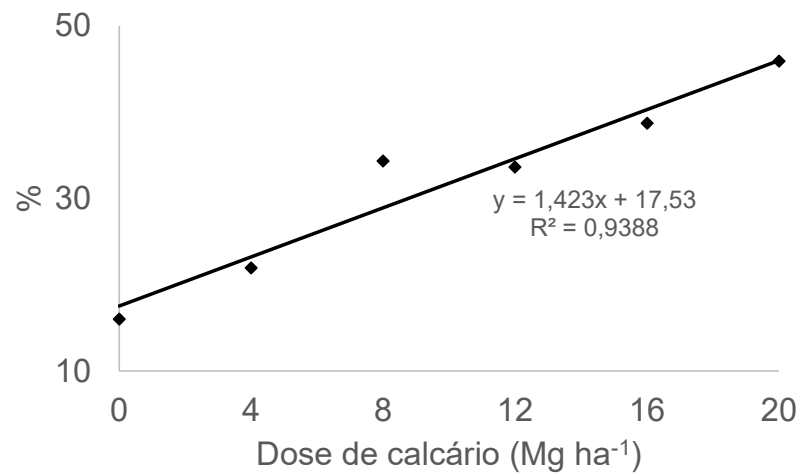
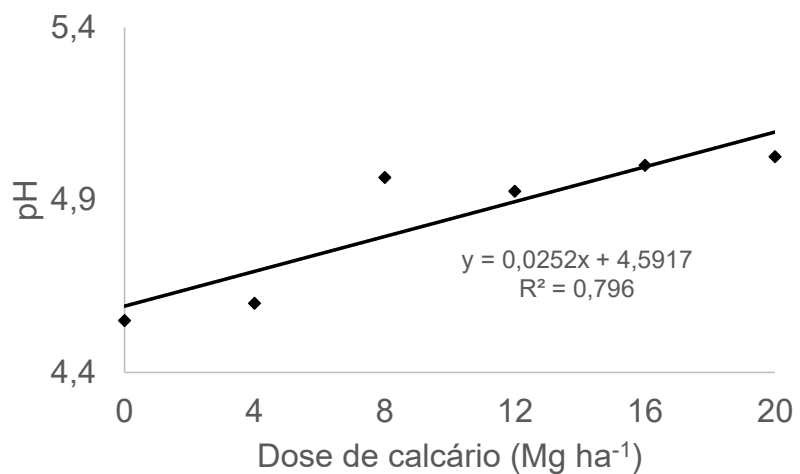


Fazenda Curtume São João Del Rei (SSV)

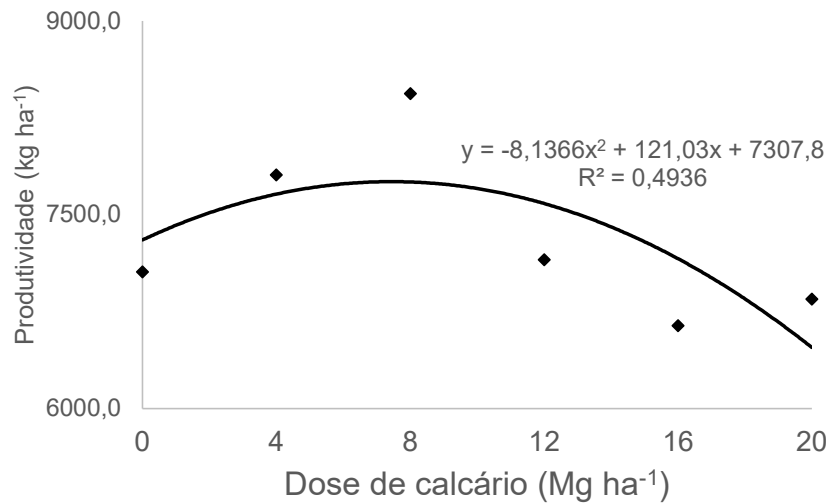
0,0 a 0,20 m



0,20 a 0,40 m



Produtividade - MILHO



Dose 0 t



Dose 4 t



Dose 8 t



Dose 12 t



Dose 16 t



Dose 20 t



Muito obrigado!