



Manejo de boro no eucalipto

Fazenda Rosana I – Julho de 2022

 **Avaliar o efeito de diferentes dosagens e fontes de boro no eucalipto**

 **Município:** Aparecida do Taboado, MS

Fazenda: Rosana I (campo 07)

Data do plantio: 09/12/2019

Clones: I144 e A217

 Kauan de Castro Nascimento..... Tecnologia florestal

João Leonardo M. Bellotte..... Tecnologia florestal

Equipe de suporte..... Tecnologia florestal

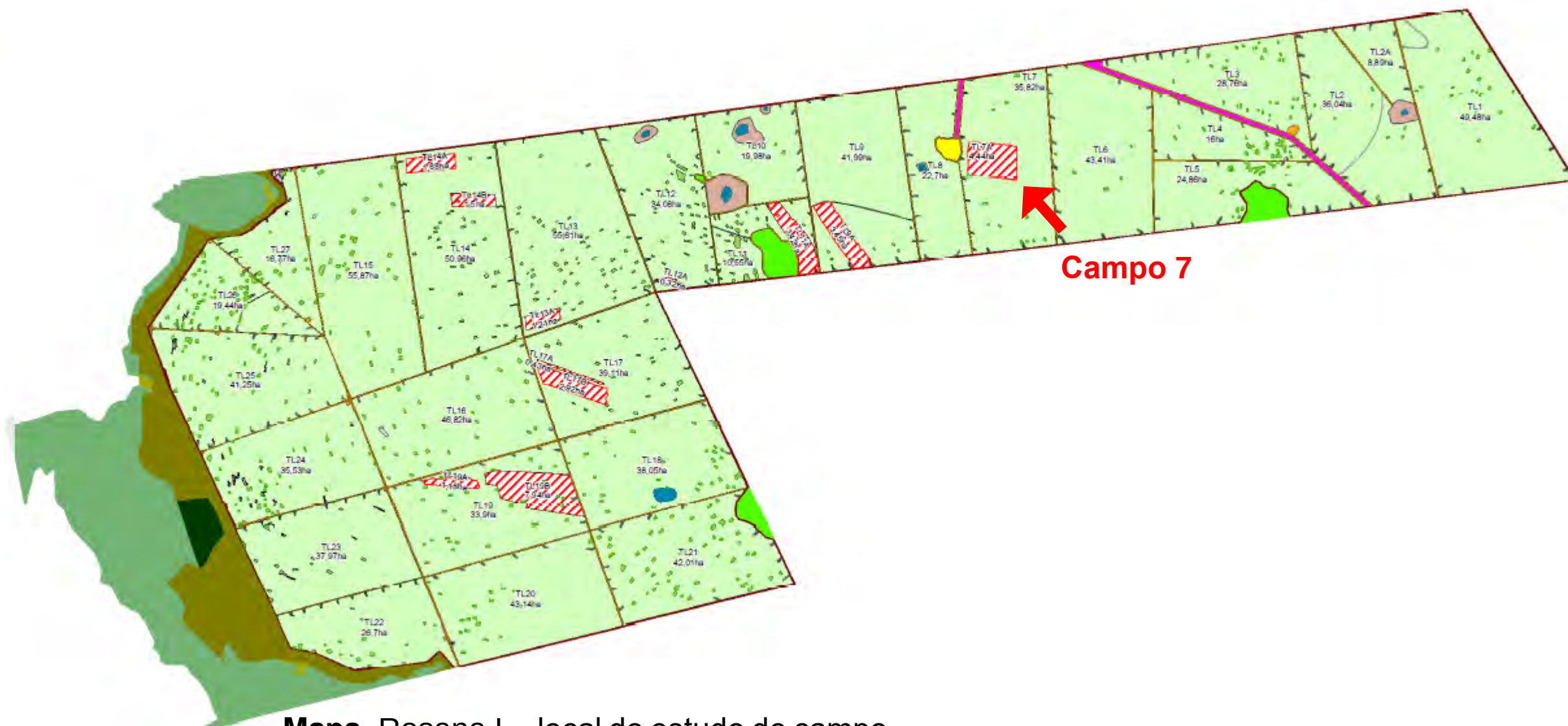
Silvicultura..... UGO 02

Em parceria com:

U.S. Borax | Rio Tinto

Universidade Federal de Uberlândia





Mapa. Rosana I – local do estudo de campo

Tabela 1. Descrição do tratamento

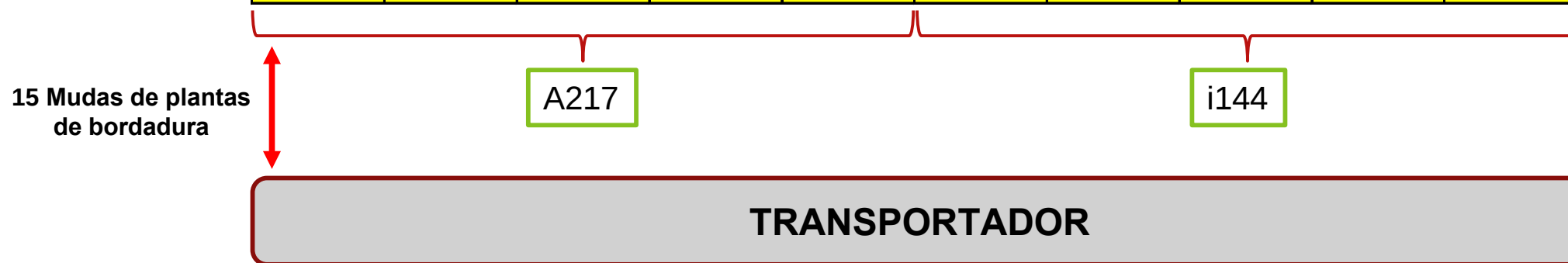
Tratamento	Fonte	Dose B (g/ha)	Dose de produto (g/ha)	g/planta
1	Ulexita (10% B)	400	4000	3,1
2	Ulexita (10% B)	600	6000	4,7
3	Ulexita (10% B)	800	8000	6,3
4	Ulexita (10% B)	1000	10000	7,8
5	Ulexita (10% B)	1200	12000	9,4
6	Granubor (15% B)	400	2667	2,1
7	Granubor (15% B)	600	4000	3,1
8	Granubor (15% B)	800	5333	4,2
9	Granubor (15% B)	1000	6667	5,2
10	Granubor (15% B)	1200	8000	6,3
11	Controle	0	0	0,0

Manejo	Profundidade	pH	P-melich	K	Ca	Mg	H+Al	S	B	Zn	Fe	Mn	Cu	MO	ATOT	SILTE	ARGILA
		água	mg/dm ³	mmolc/dm ³				mg/dm ³				%					
Reforma	0 a 20 cm	4,8	1,3	0,4	5,0	2,0	27,0	7,0	0,3	0,1	47,0	19,5	0,3	1,50	78,6	11,1	10,3
	20 a 40 cm	4,8	0,8	0,3	4,0	1,0	27,0	7,0	0,2	0,1	49,0	13,1	0,2	1,40	75,7	8,80	15,5

Tabela 2. Análise do solo da área - pré-plantio

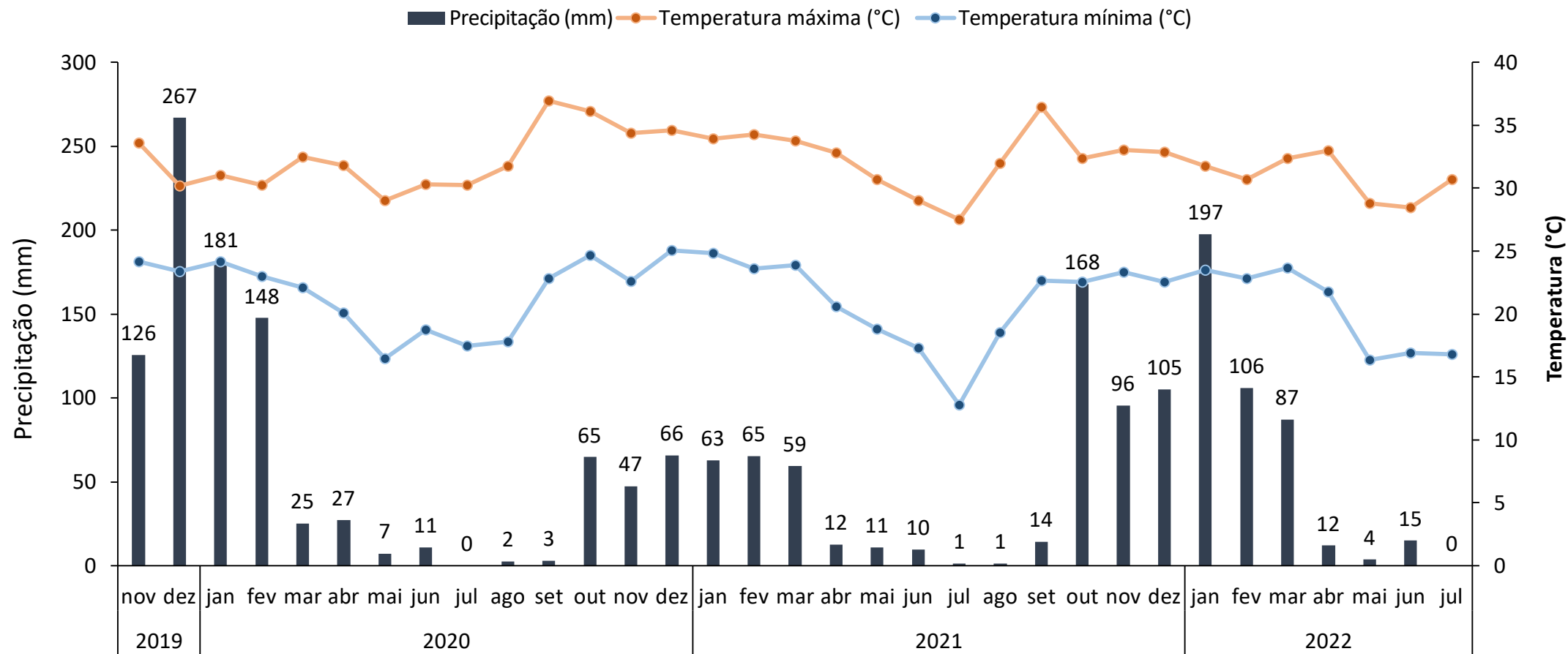
Design do layout experimental

1	3	5	7	9	1	3	5	7	9
3	5	7	9	11	3	5	7	9	11
5	7	9	11	2	5	7	9	11	2
7	9	11	2	4	7	9	11	2	4
9	11	2	4	6	9	11	2	4	6
11	2	4	6	8	11	2	4	6	8
2	4	6	8	10	2	4	6	8	10
4	6	8	10	1	4	6	8	10	1
6	8	10	1	3	6	8	10	1	3
8	10	1	3	5	8	10	1	3	5
10	1	3	5	7	10	1	3	5	7
Bloco 1	Bloco 2	Bloco 3	Bloco 4	Bloco 5	Bloco 6	Bloco 7	Bloco 8	Bloco 9	Bloco 10



- Experimento instalado em blocos aleatórios, com lotes de 5 fileiras x 10 plantas

Dados meteorológicos



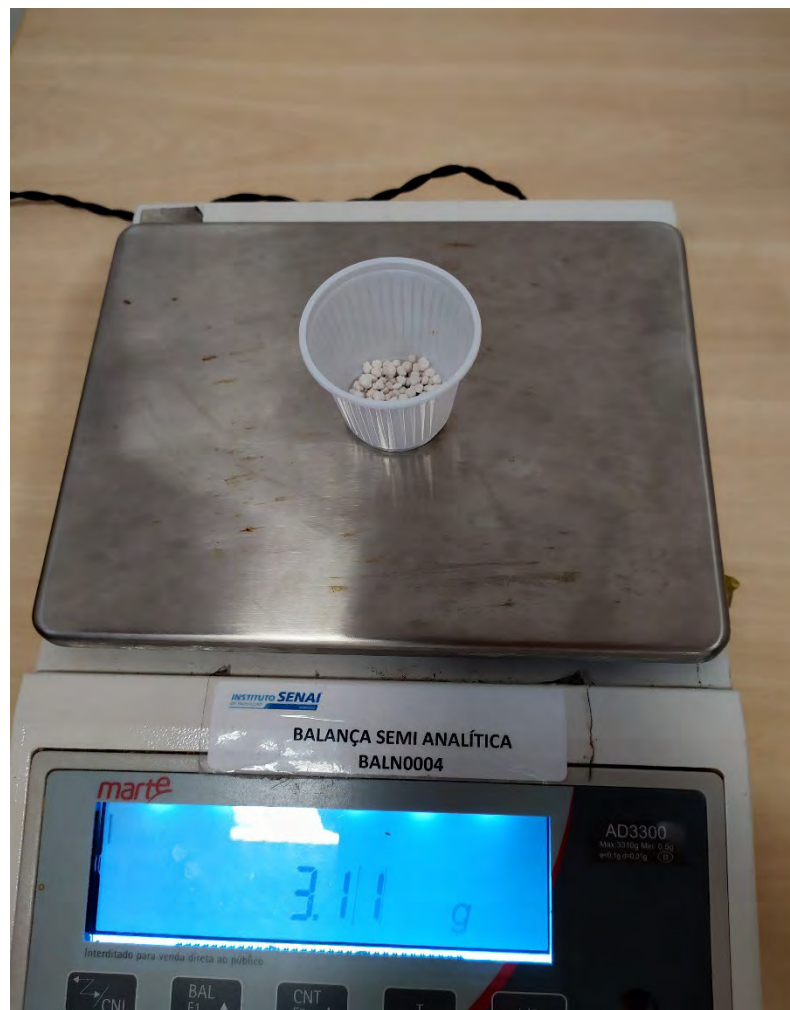
Fonte: Nasa Power



Plantio manual



Pesagem — doses de boro



Pesagem individual das doses



Ulexita

Granubor



Doses/plantas em saquinhos individuais



Aplicação de fertilizante a 10 cm das mudas



1 mês

Clone i144

1 mês





3 meses



3 meses

Clone A217



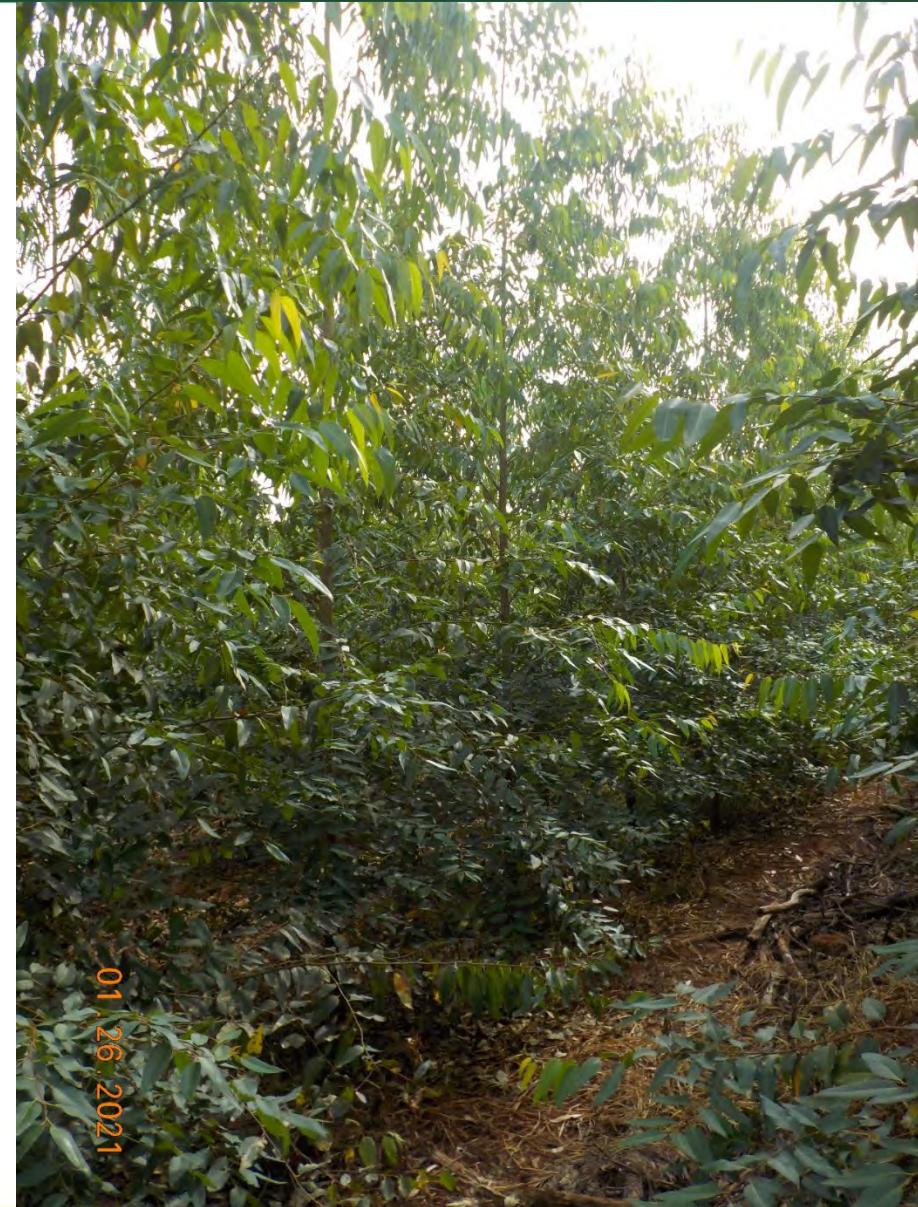
9 meses

Clone i144



9 meses

Clone A217



1 ano

Clone i144

1 ano

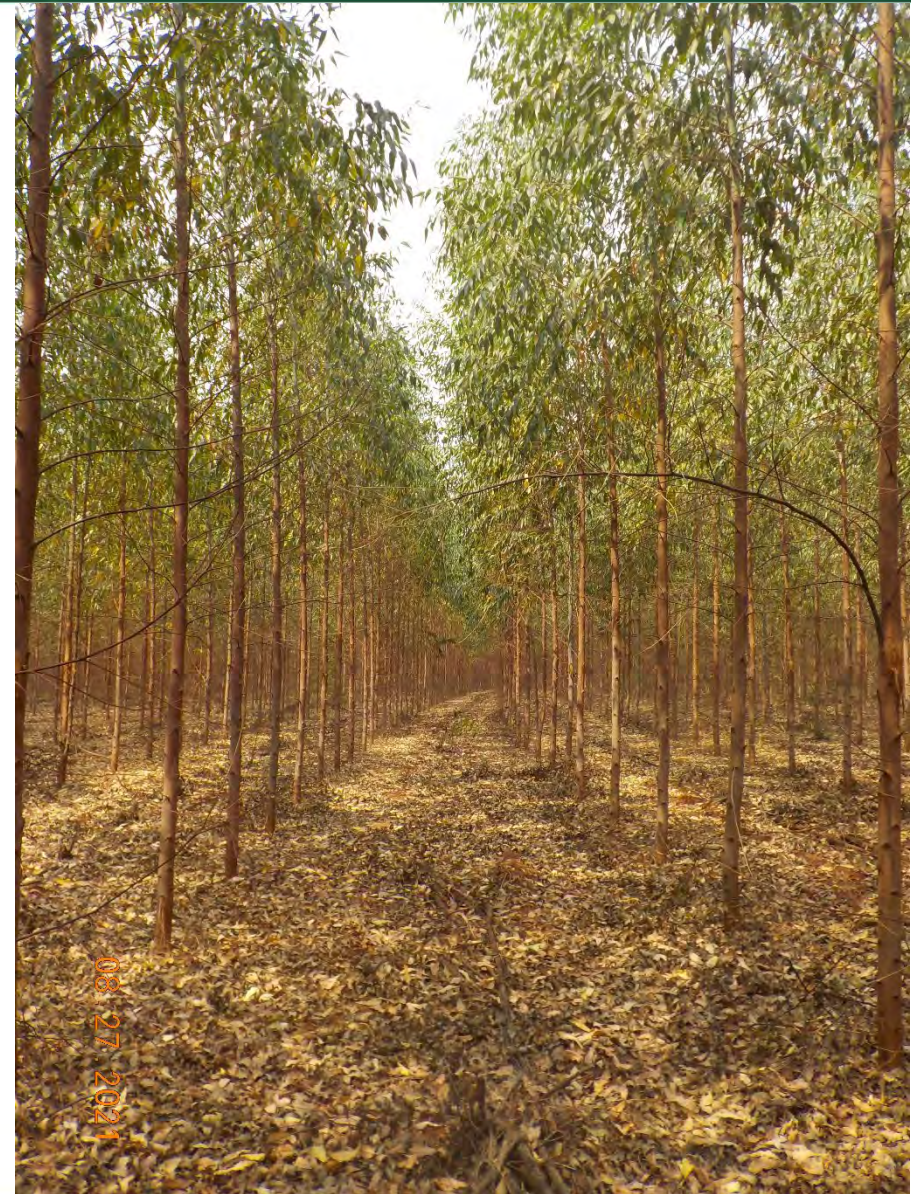


Clone A217

1,7 ano



Clone i144



1,7 ano

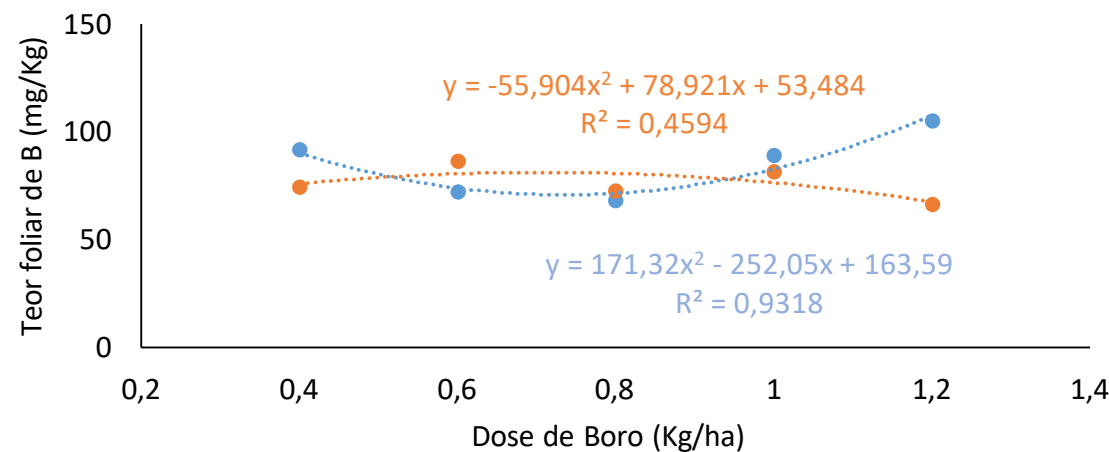
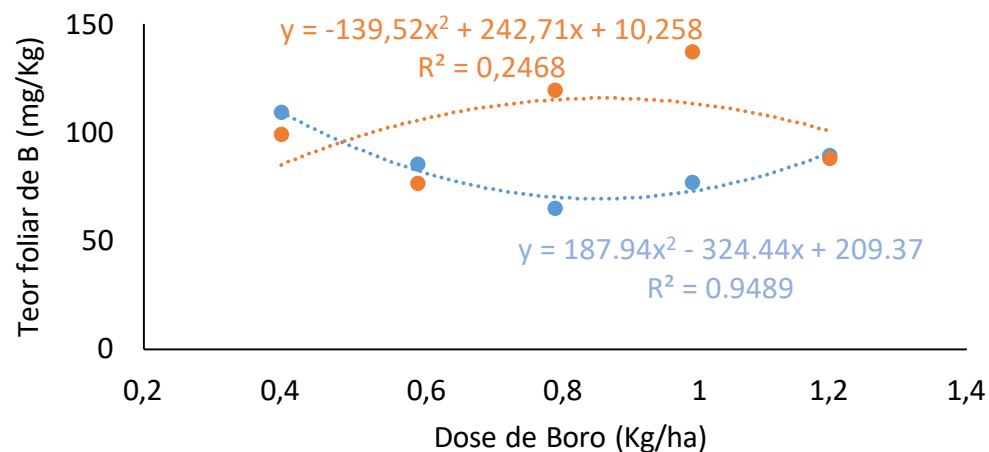
Clone - A217

● Granubor

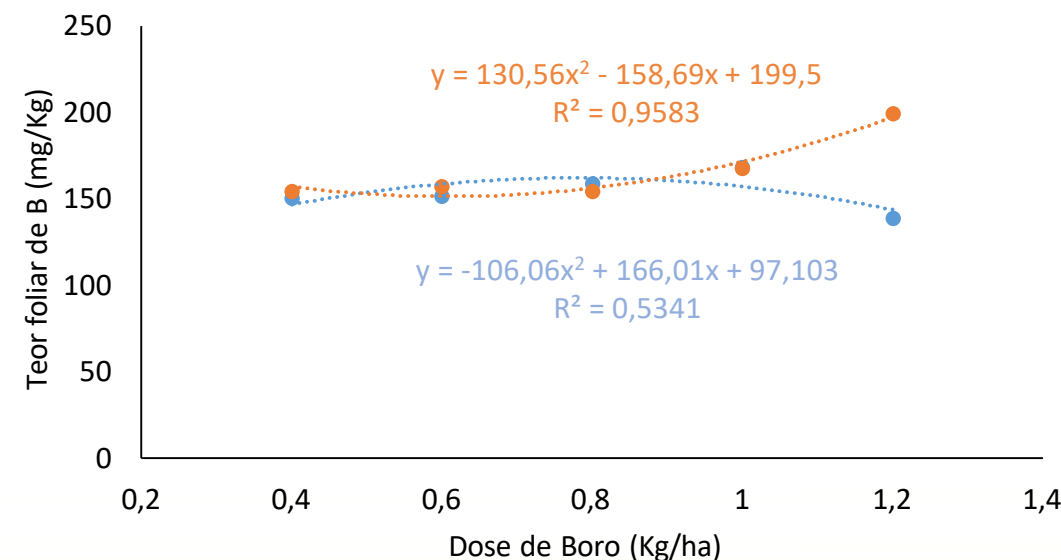
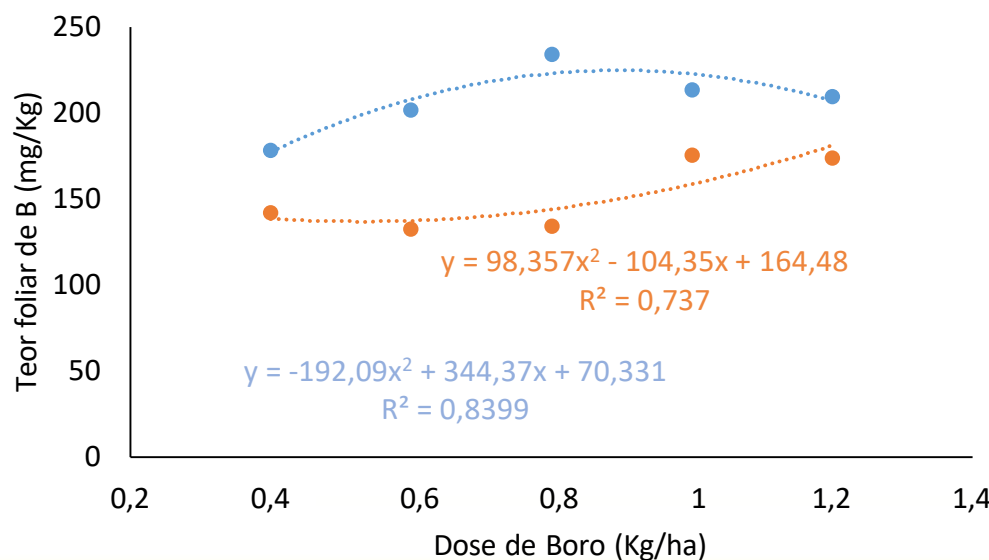
● Ulexita

Clone - i144

1 mês



2 meses



Análise de B foliar | Teor de B foliar vs. Dose de B

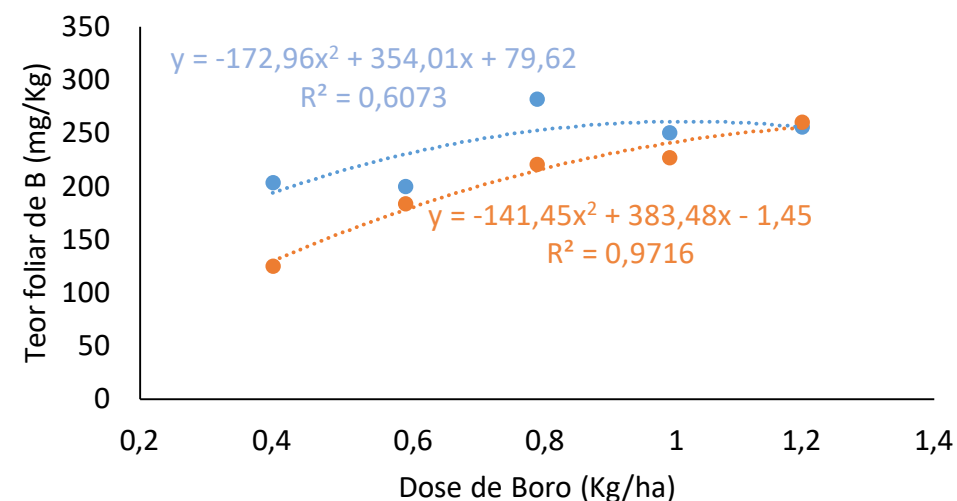
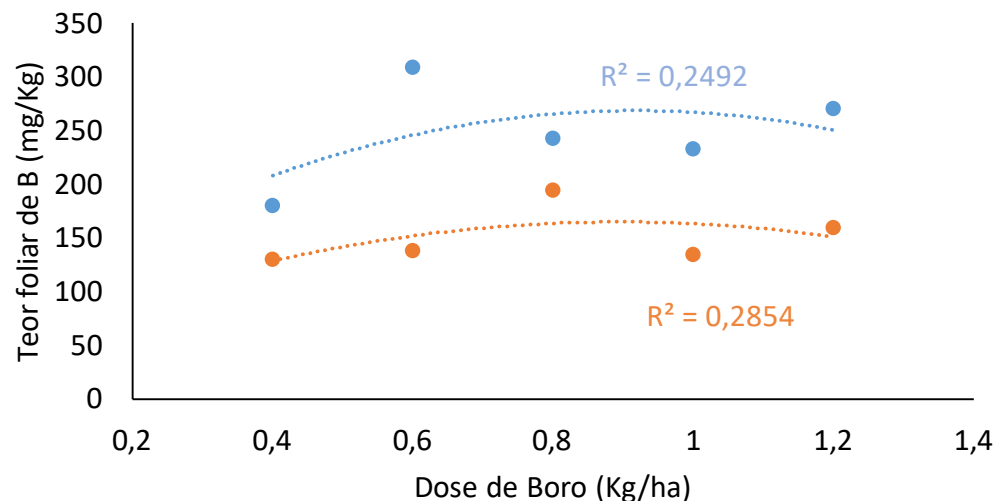
3 meses

Clone - A217

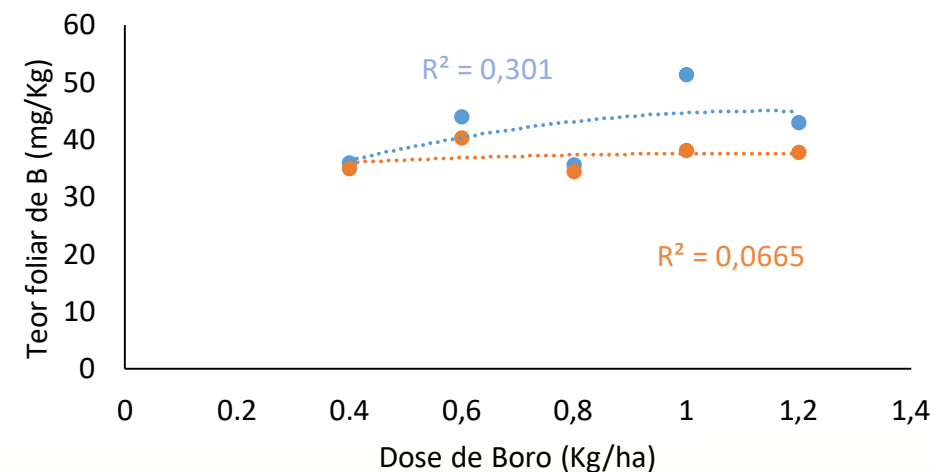
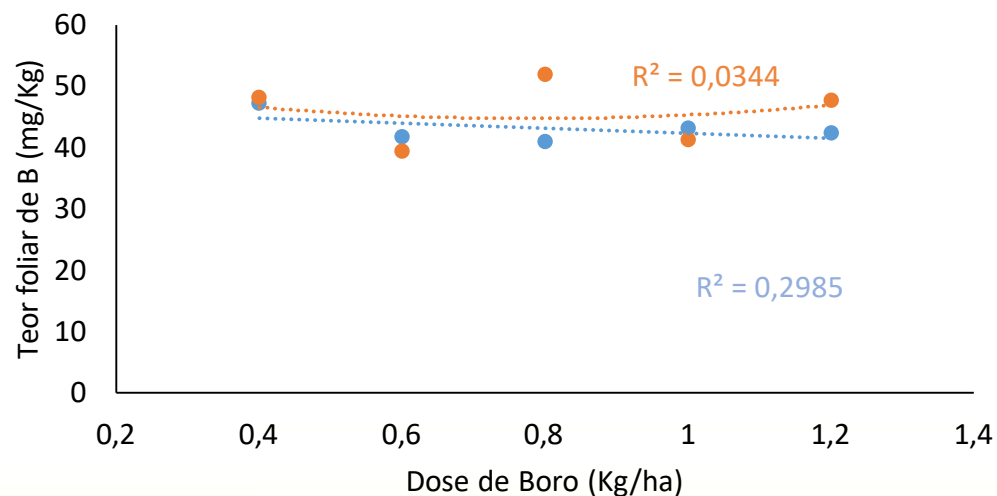
Granubor

Ulexita

Clone - i144

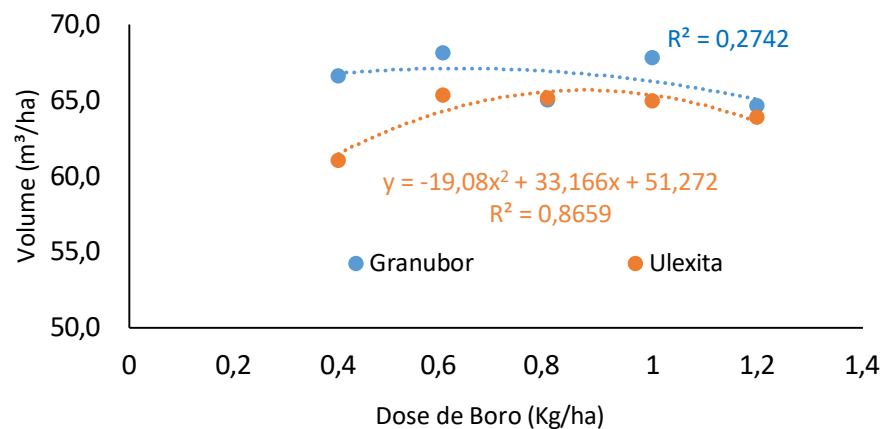


14 meses

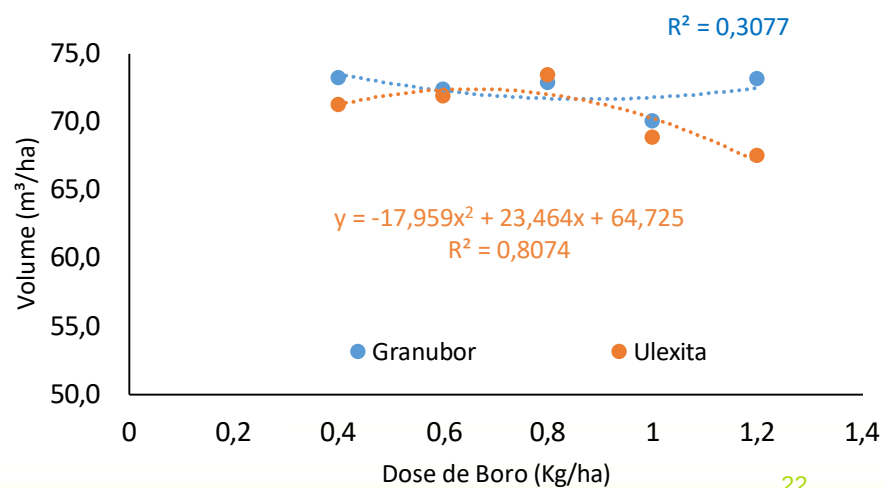


Inventário de 2 anos — Quantitativo

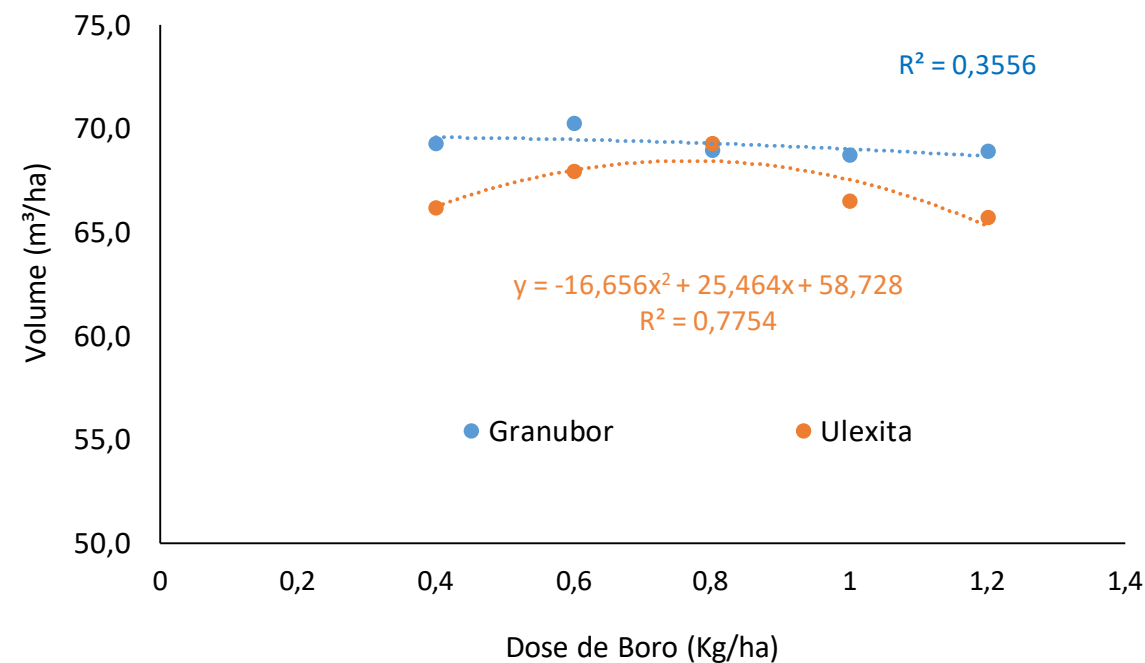
Volume por hectare – **i144**



Volume por hectare – **A217**

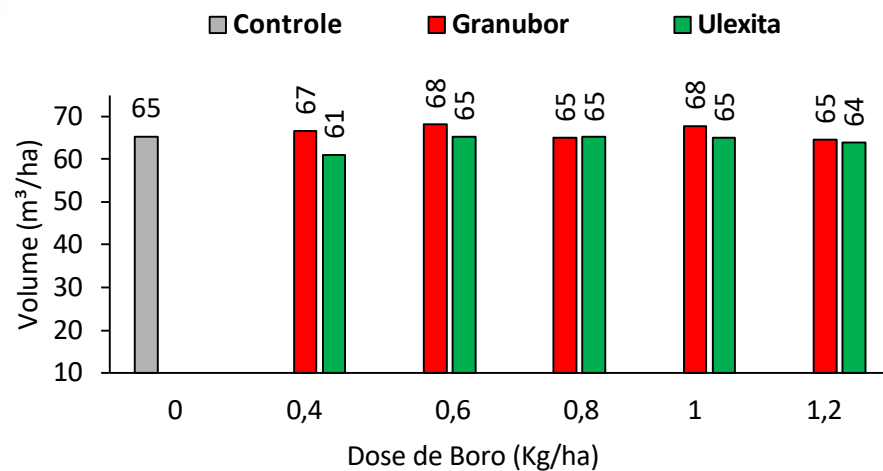


Volume por hectare – **ambos os clones**

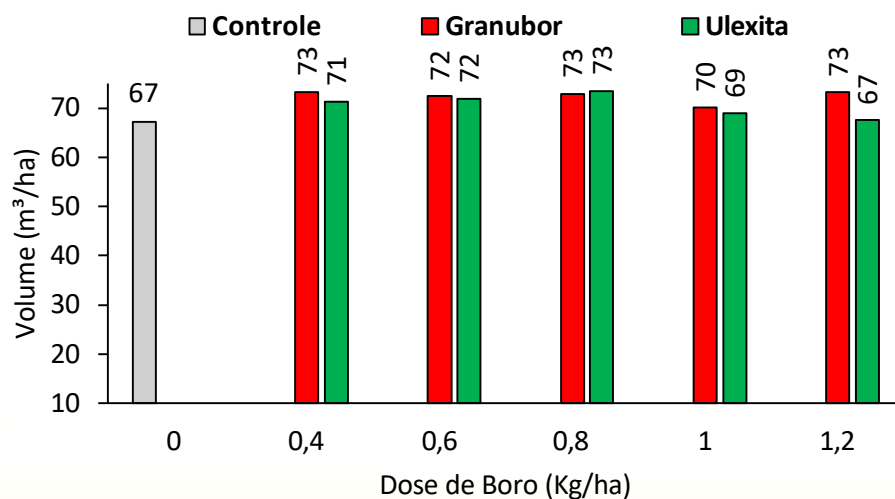


Inventário de 2 anos — Quantitativo

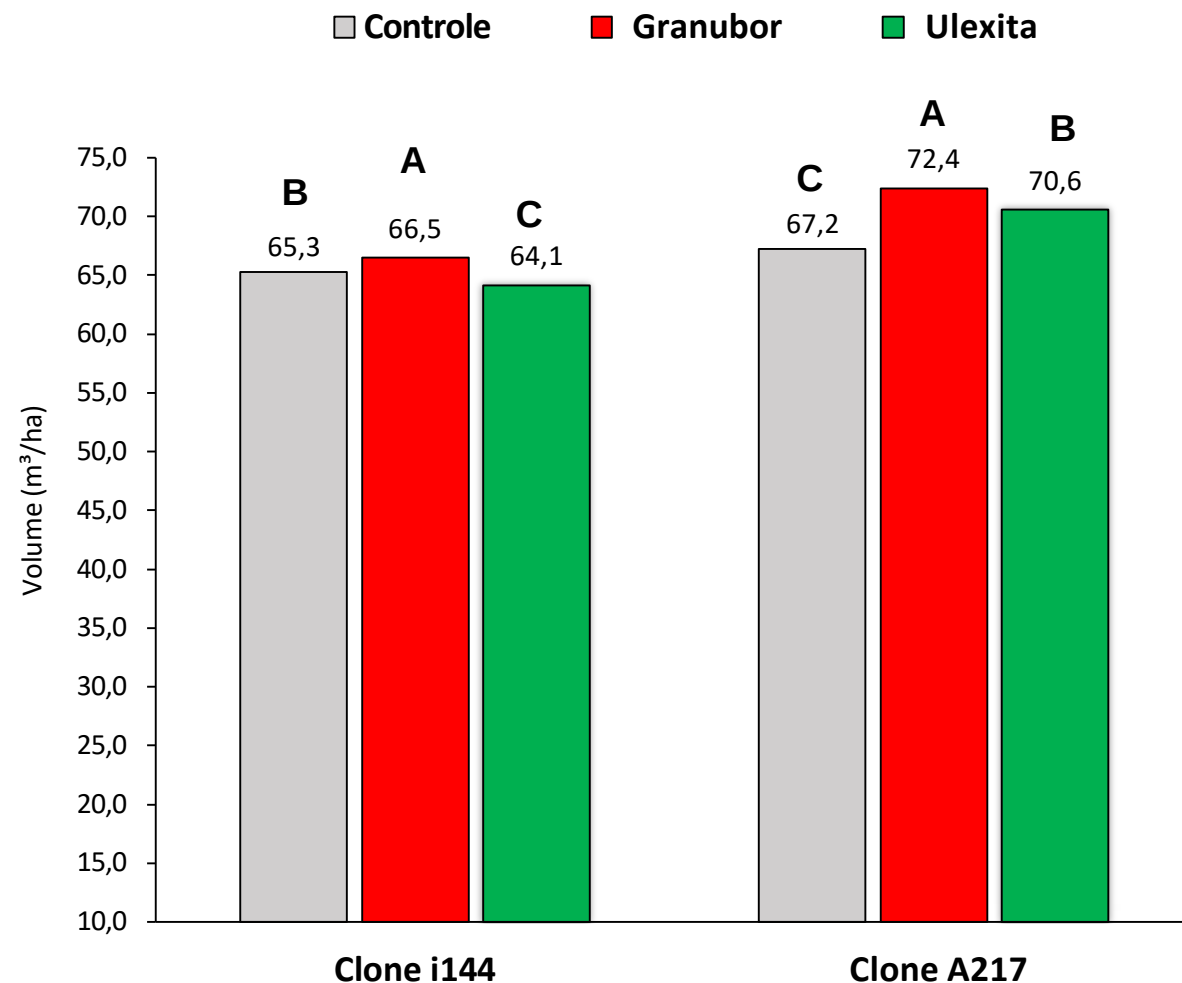
Volume (m³/ha) – Clone i144



Volume (m³/ha) – Clone A217

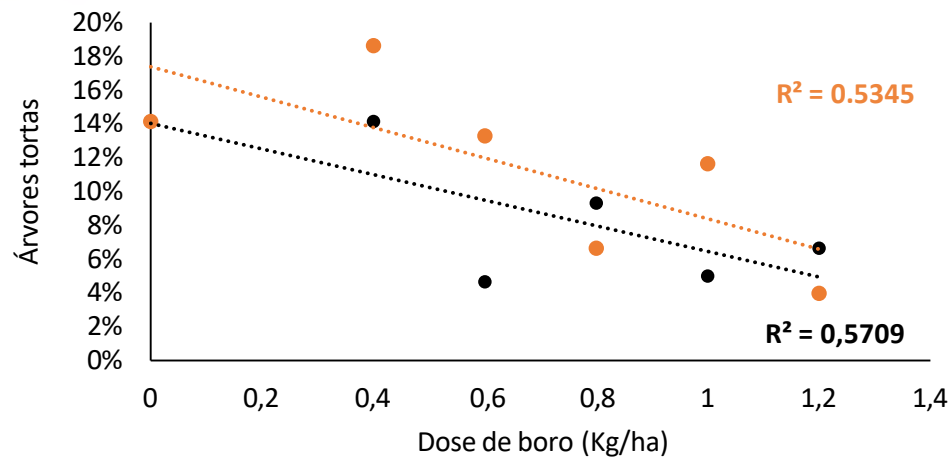


Volume (m³/ha) | Clone i144 e Clone A217

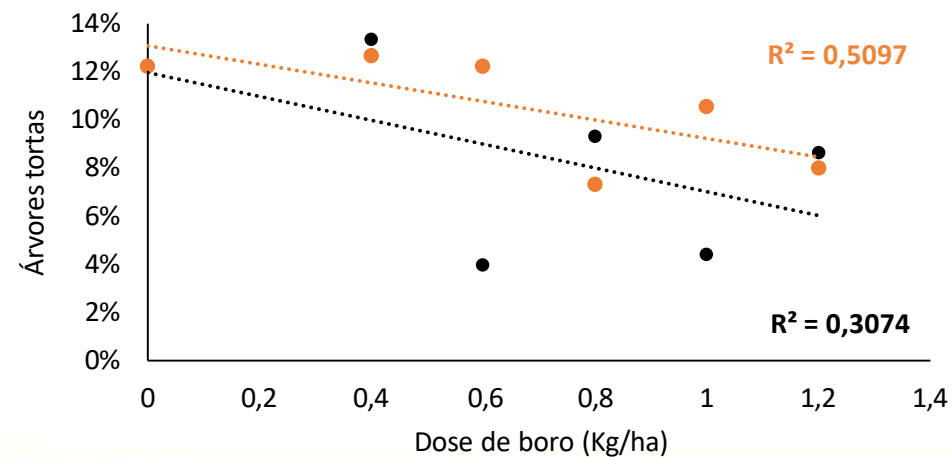


Inventário de 2 anos — Qualitativo

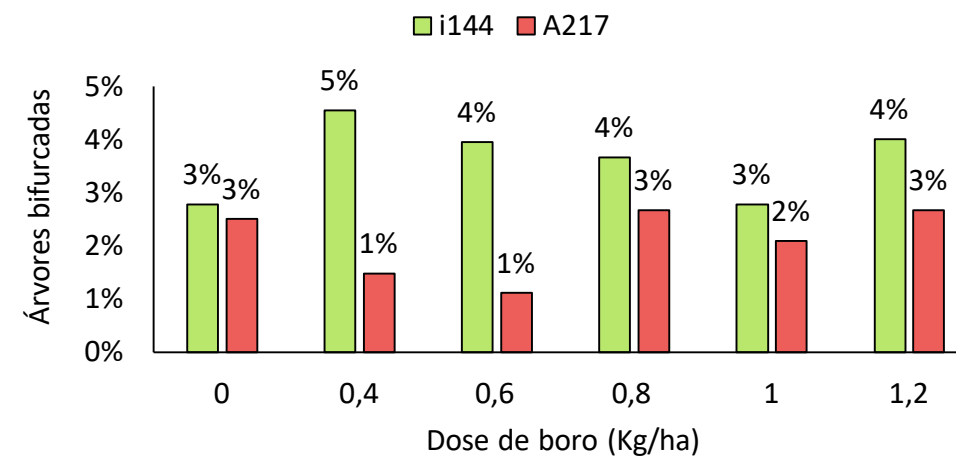
% Árvores tortas | Clone A217



% Árvores tortas | Clone i144



% Árvores bifurcadas



% de árvores tortas diminuiu com o aumento da dose de boro para ambos os clones.