



**MONITORING REPORT OF PRODUCTION AND  
HARVESTING YEAR 2020  
First Quarter**

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CREA: MT-024685  
CONFEA 121.050.661-0  
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## 1. INTRODUCTION

Currently, the Capim Branco project are in the exploration phase, in which trees are felled and sectioned according to client demands. After, the cubing of logs take place, followed by log plating and classification in relation to their diameter, and lastly, they are grouped according to their destination.

In this context, the objective of this study is to present the results obtained from the first quarter of the year 2020, in the Capim Branco project, by presenting volumetrics collected by the company, as well as to determine the accuracy of the surveys carried out in the year.

## 2. GENERAL INFORMATION

### 2.1. Owner Identification

**Company Name:** Floresteca S/A  
**Address:** Rodovia BR-163, Km 510 – Bairro: Bauxi (Fazenda Panflora),  
Rosário Oeste - MT  
**CNPJ:** 74.301.482/0007-41  
**I.E.:** 13.262.092-8  
**Contact:** Cassiano Sasaki  
**E-mail:** cassiano.sasaki@floresteca.com.br

### 2.2. Identification of Applicant

**Company Name:** TRC AGROFLORESTAL LTDA  
**Address:** Av. Castelo Branco, 272, sala 01, Bairro São Miguel, Cáceres  
– MT.  
**CNPJ:** 06.697.090/0001-06  
**I.E.:** 13.271.007-2

### 2.3. Identification of the Technical Responsible

**Name:** Frederico Tupinambá Simões  
**Address:** Rua Batista das Neves, 585 – Centro – Ed. TopGeo – Sala 5 -  
Cuiabá – MT – CEP: 78.005-190  
**ID:** 012.665.256-29  
**Qualification:** Forester  
**Class Council n.º:** 121050661-0  
**Phone:** +55(65)98157-4874  
**E-mail:** fredericotupinamba@hotmail.com

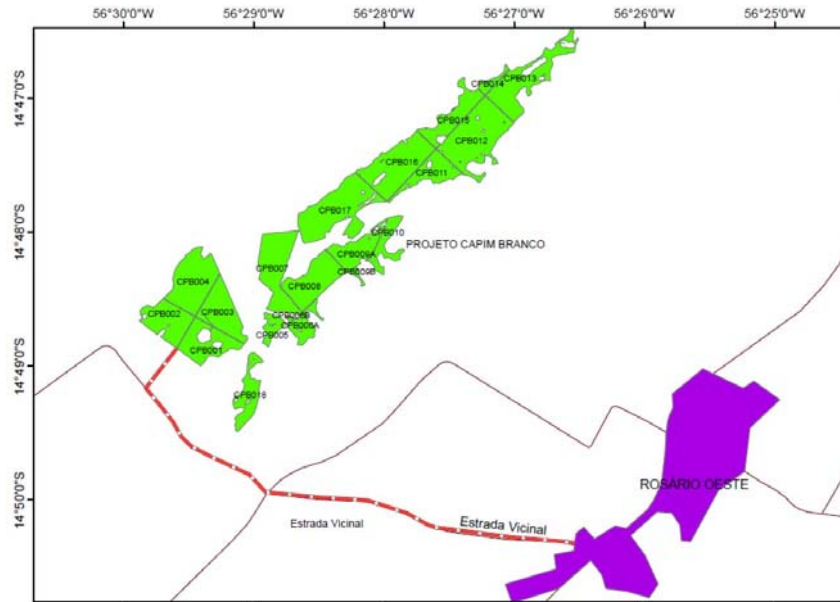
### 2.4. Identification of the Executor

**Name:** Augusto Cesar Braga Louzada  
**Address:** Rua Batista das Neves, 585 – Centro – Ed. TopGeo – Sala 5 –  
Cuiabá – MT – CEP: 78.005-190  
**ID:** 028.067.691-32  
**Qualification:** Forester  
**Class Council n.º:** 121263227-3  
**Phone:** +55(65) 98116-5924  
**E-mail:** gutolouzada@hotmail.com

### 2.5. Property Identification

**Name:** CAPIM BRANCO FARM  
**City:** Rosário Oeste – MT

**Locality:** The Capim Branco Project area is located in the municipality of Rosario Oeste, on the right bank of the side road, approximately 7 km from the municipal headquarters of Rosário Oeste MT. according to the access sketch shown in Figure 1.



**Figure 1.** Location of the farm Capim Branco, municipality of Rosário Oeste MT.

## 2.6. UTM Coordinates of the Evaluated Field

**Chart 1 – Central Coordinates of Evaluated Fields.**

Project	Field	East (x)	North (y)	Zone
Capim Branco	12	558654	8365091 UTM	21
Capim Branco	13	559090	8365675 UTM	21
Capim Branco	14	558808	8365770 UTM	21
Capim Branco	15	558374	8365332 UTM	21

## 2.7. Lots Evaluated

**Chart 2 - Lots evaluated in the first quarter of 2020.**

Project	Field	Area	Number of lots evaluated
Capim Branco	12	55.27	1806, 1810, 1811, 1822, 1891, 1898 e 1899.
Capim Branco	13	38.85	1731, 1733, 1734, 1736, 1741, 1759, 1763, 1767, 1771.
Capim Branco	14	4.51	-
Capim Branco	15	22.85	13, 16, 18, 19 e 20

### 3. METHODOLOGY

#### COLLECTION OF DATA

The process for collecting the information was based on the following steps:

##### Planning:

In the first quarter of 2020, 4 lots of the Capim Branco project were audited.

##### Number of parcel:

21 lots were randomly selected to represent the fields of the Capim Branco project.

For lumber destined for sawmills that did not form lots, we measured the wood stacks of the above-mentioned fields on the terraces and on some trucks together with the Floresteca team, on the days when our team was in the Capim Branco project.

##### Measurements:

A total of 21 lots were measured for the project, with a total of 1,255.00 wood logs. (Photos Annex I).

**Table 1 - Number of lots and number of logs.**

Class	N° of Lots	N° of Logs
(25-30) Long	14	732
35-40	4	288
> 40	3	235
<b>TOTAL</b>	<b>21</b>	<b>1,255</b>

#### 3.1. DATES OF VISITS

Dates for indicative technical visits to reports delivered in the first quarter of 2020.

##### 2019

November 12, 19 and 28.

December 11.

##### 2020

January 09.

## 4. PRODUCTIVITY EVALUATION

### 4.1. Harvest Data per Diameter Class

In Table 2 shows the results of loaded values by diameter class from the audit stands in the first quarter of 2020 can be observed. The diameter class of 25 to 30 centimeters obtained a higher loaded value, followed by the classes 35 to 40, 20 to 30, 30 to 35, 20 to 25 and greater than 40 centimeters in diameter, totaling a volume of **7,460.534** cubic meters of exported wood.

**Table 2** – Harvesting Data per diameter class (Export).

EXPORT				
Project	Year	Area (ha)	Diameter class	Volume (m <sup>3</sup> )
<b>Capim Branco</b>	<b>1999</b>	<b>121.48</b>	20-30	1,168.025
			20-25	560.798
			25-30	2,466.611
			30-35	829.300
			35-40	1,997.309
			> 40	438.492
<b>TOTAL</b>				<b>7,460.534</b>

For sawmills, four diameters classes were obtained, totaling the volume of **523.655** cubic meters.

**Table 3** - Harvesting Data per diameter class (Domestic market).

SAWMILLS				
Project	Year	Area (ha)	Diameter Class	Volume (m <sup>3</sup> )
<b>Capim Branco</b>	<b>1999</b>	<b>121.48</b>	15-25	120.620
			25-30	352.735
			30-35	50.300
<b>TOTAL</b>				<b>523.655</b>

## 5. EVALUATION OF AUDITED VOLUMES

A total of 37 lots were compared relating the length and circumference. Table 4 shows the results of the volumes obtained by the company and the volumes obtained by the audit.

**Table 4** – Comparison of Volumes.

Project	Year	Area (ha)	Class of Diameter	Volume (m <sup>3</sup> )	
				Company	Audit
			25-30(long)	341.753	342.074
Capim Branco	1999	121.48	35-40	97.652	97.191
			> 40	72.849	72.751
<b>TOTAL</b>				<b>512.254</b>	<b>512.016</b>

### 5.1. Statistical analysis of data

To compare and measure the lengths and circumferences of the wood logs, 21 lots were selected to verify that they are being correctly calibrated.

The Analysis of Variance and the Tukey Test were applied by class of diameter in the comparison of the volumes supplied by the company with the one audited.



**Table 5 - Statistical analysis of the blocks by diameter class.**

<b>STATISTICAL ANALYSIS</b>								
Project	Year	Field	Area (ha)	Class of Diameter	F tabled	F calculated	ns	Coefficient of variation (%)
CPB	1999	12	55.27	(25-30) Long	3.86	0.0028	ns	18.35
				35-40	3.87	0.0612	ns	26.88
				> 40	3.90	0.0086	ns	25.29
CPB	1999	13	38.85	(25-30) Long	3.85	0.0009	ns	18.86
				35-40	3.91	0.0334	ns	11.42
				> 40	3.90	0.0179	ns	24.81
CPB	1999	15	22.85	(25-30) Long	3.87	0.0145	ns	16.15
				35-40	3.91	0.0000	ns	22.26
				> 40	3.91	0.0073	ns	18.73

As can be seen, the F value Calculated in all classes is less than the Tabulated F. Therefore, the numerical differences observed between the means of the volumes in the treatments are not statistically significant. Thus, the average of the volumes obtained by the company in the lots do not have significant differences compared to the audited one.

## 6. CONCLUSION

According to the items verified during the audit, it can be seen that the company TRC Agroflorestal LTDA is a company well-structured to control its clearcutting and harvesting processes.

After the standardization work in the lots during the first quarter of 2020 of the Capim Branco project, it was verified that the numerical differences between the averages of the volumes in the treatments are not significant. Thus, it is observed that the employees of the company have been doing a good job in terms of precision in terms of measures of length, circumference and formation of lots for export.

In the classes of 15 to 25, 25 to 30 and 30 to 35 centimeters of diameter destined to sawing, all the waybill for validation of the total volume were analyzed and checked.

With the data obtained from the audit, in comparison with the data provided by the company, all timber collected and loaded on the first quarter of 2020 from the stands analyzed were correctly measured in volume and quality, as this audit could verify.

Cuiabá, April 14<sup>th</sup> 2020.



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**ATTACHMENT I – PHOTOGRAPHIC REPORT**





