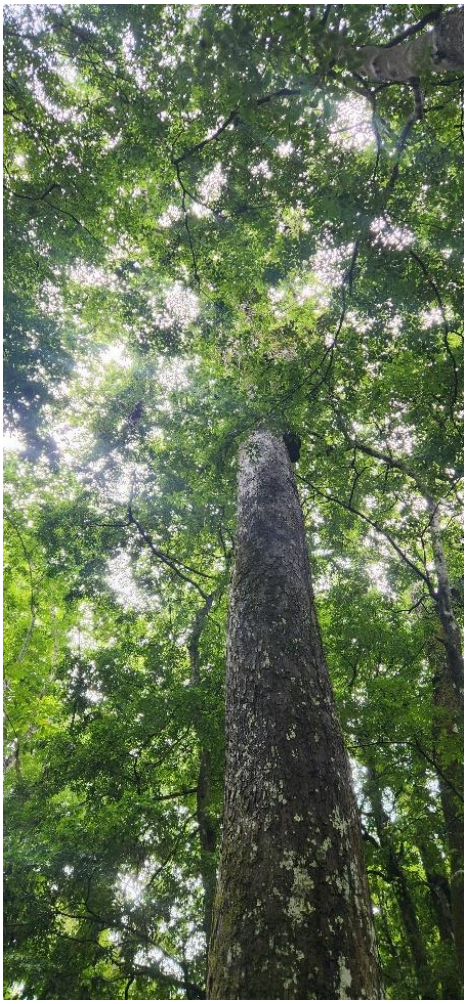
FUTURO FORESTAL
IMPACT FORESTRY

ANNUAL TECHNICAL REPORT 2025

WALDMENSCHEN S.A.

and

FORESTAL FILO DEL TALLO S.A.



Forestry projects in the provinces of Darién and Colón, Panama

Prepared by: Futuro Forestal S.A.
Forestry Technical Team

May 2026

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1. Introduction

1.1 General information

This annual technical report corresponds to the 2025 period and compiles the silvicultural, management and monitoring activities carried out on the forest properties of the cooperative Waldmenschen S.A. and the company Forestal Filo del Tallo S.A. Both companies own properties in the provinces of Darién and Colón, Republic of Panama, dedicated to the establishment and management of forest plantations with native and commercial species under responsible forest management criteria.

The technical and operational administration of the forestry projects is carried out by Futuro Forestal S.A., a company experienced in the management of tropical forest plantations in Panama, responsible for the execution, supervision and reporting of all scheduled silvicultural activities.

General information on Waldmenschen S.A.

Field	Information
Legal name	Waldmenschen, S.A.
Registration date	March 21, 2007
Folio	560221
Type of organization	Corporation (S.A.)
Status	Active
Registered office	Parker Drive #923A, Clayton, Panama
Andreas Eke	Andreas Eke
Nationality	German
ID (cedula)	E-8-69322
Phone	(507) 317-1431
Email	aeke@futuroforestal.com
Website	http://www.futuroforestal.com

Table 1. General information on Waldmenschen S.A. Source: Futuro Forestal, 2025.

General information on Forestal Filo del Tallo S.A.

Field	Information
Legal name	Forestal Filo del Tallo, S.A.
Registration date	November 25, 2022
Folio	155730295
Type of organization	Corporation (S.A.)
Status	Active
Registered office	Parker Drive #923A, Clayton, Panama
Andreas Eke	Andreas Eke
Nationality	German

Field	Information
ID (cedula)	E-8-69322
Phone	(507) 317-1431
Email	aeke@futuroforestal.com
Website	http://www.futuroforestal.com

Table 2. General information on Forestal Filo del Tallo S.A. Source: Futuro Forestal, 2025.

General information on Futuro Forestal S.A. (project manager)

Field	Information
Legal name	Futuro Forestal, S.A.
Folio	295406
Roll	44372
Image	48
Type of organization	Corporation (S.A.)
Status	Active
Registered office	Parker Drive #923A, Clayton, Panama
Andreas Eke	Andreas Eke
Email	aeke@futuroforestal.com

Table 3. General information on Futuro Forestal S.A., responsible for management. Source: Futuro Forestal, 2025.

1.2 Objectives of the report

The main purpose of this document is to provide a detailed and consolidated overview of the reforestation, maintenance and silvicultural management activities carried out during 2025 on the properties belonging to Waldmenschen S.A. and Forestal Filo del Tallo S.A. It also documents the monitoring processes, the difficulties encountered in operations and the technical recommendations for planning the following year.

Specifically, the report addresses the following objectives:

- To present the consolidated inventory of areas by owner and management unit, including total area, area planted by species and year, assisted regeneration areas, protection areas and other cover types.
- To describe the silvicultural activities carried out during the 2025 period: plantings, maintenance, pruning, thinning, phytosanitary control, fire management and other tasks.
- To document the project's progress status in each management unit and by owner.
- To identify the operational, environmental and social difficulties that affected the execution of the planned activities.
- To generate technical and management recommendations to optimize the forestry operation in the following cycles.

2. Executive Summary

During the 2025 period, the properties of Waldmenschen S.A. and Forestal Filo del Tallo S.A. together accumulated a total area under management of 2372.26 hectares, distributed across the provinces of Darién and Colón. Of this total, 1377.74 hectares correspond to area planted with native and commercial-use forest species, complemented by 477.64 hectares under assisted regeneration, reaching a productive area under silvicultural intervention of 1855.38 hectares.

The silvicultural activities carried out in 2025 included the comprehensive maintenance of plantations established in previous years (strip clearing, maintenance ring weeding, control of vines and lianas, clearing, apex management, pruning of teak and native species, fertilization and phytosanitary control), as well as the establishment of new plantations and the replanting of areas under recovery. Fire prevention tasks (firebreaks, surveillance and firebreak sweeping) continued to be a priority during the dry season.

In the Filo del Tallo unit, the plantations established mainly in 2023 and 2024 were maintained, including the plots of the long-term silvicultural research project (plots Freiburg). In the Colón unit, the conflict with squatters on some farms was monitored, as well as localized low-intensity pest damage on isolated individuals of Carapa guianensis and Terminalia amazonia. In the Claritas, Lastenia and Nicanor units, the recovery plans for areas affected by fires and pests in previous years were carried out.

The consolidated area by owner at the close of the 2025 period is summarized in the following table:

Item (ha)	Waldmenschen S.A.	Forestal Filo del Tallo S.A.	Total
Total area (actual polygon)	2100.10	272.16	2372.26
Planted area	1184.23	193.51	1377.74
Assisted regeneration	426.69	50.95	477.64
Used area (planted + regen.)	1610.92	244.46	1855.38
Effective area (eligible)	1965.56	248.17	2213.73
Other cover types (protection + native forest + others)	489.18	27.70	516.88

Table 4. Consolidated summary of areas by owner, year 2025. Source: Futuro Forestal forestry database.

3. General Project Description

3.1 Location

The forest properties of Waldmenschen S.A. and Forestal Filo del Tallo S.A. are located in two geographic zones of the Republic of Panama:

- Darién Province: includes the operational units Claritas, Lastenia, Nicanor, Agua Fría, Metetí and Filo del Tallo, the latter belonging to Forestal Filo del Tallo S.A.
- Colón Province: includes the farms of the Colón operational unit, mainly Gatún 1, Gatún 2 and Conexión, owned by Waldmenschen S.A.

The properties are located in rural districts of the townships of Chepigana, Pinogana, Yaviza, Agua Fría, Santa Fe and La Palma (Darién); and in the township of Santa Rita and adjacent areas (Colón). Access to the properties is mainly via secondary and rural roads, whose trafficability varies depending on the season (dry or rainy).

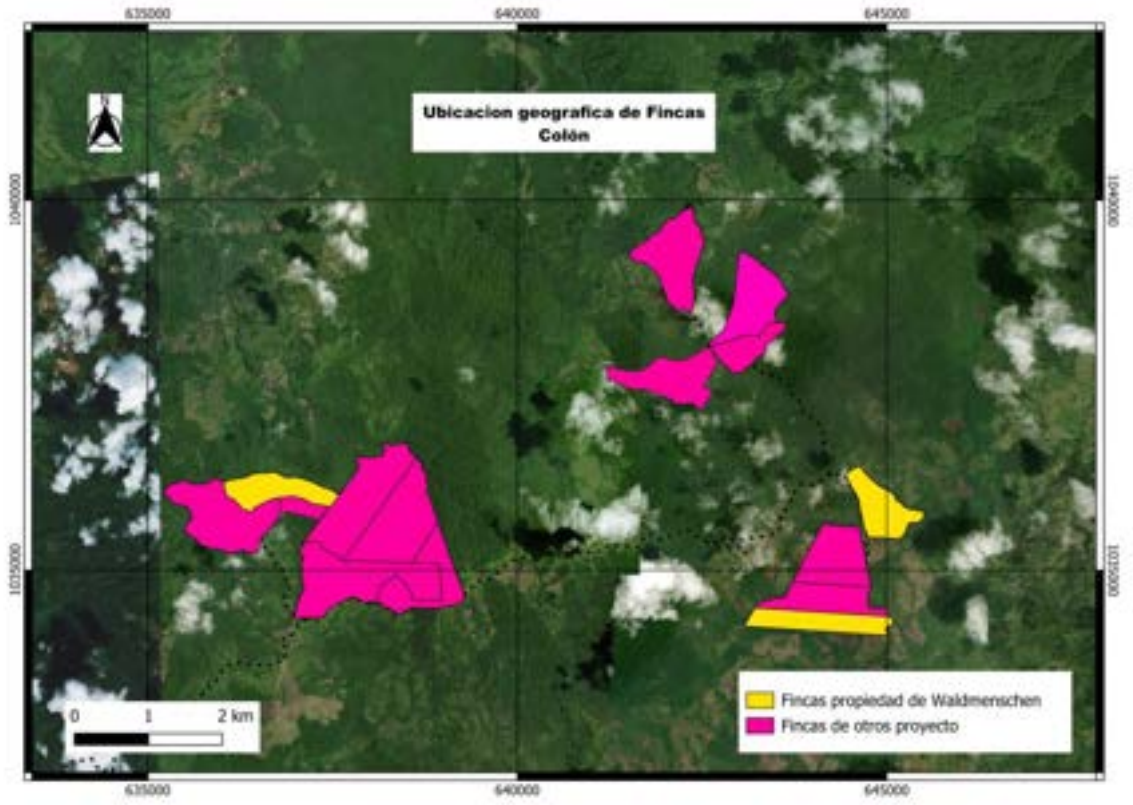


Figure 1. Location map of the farms in the province of Colón.

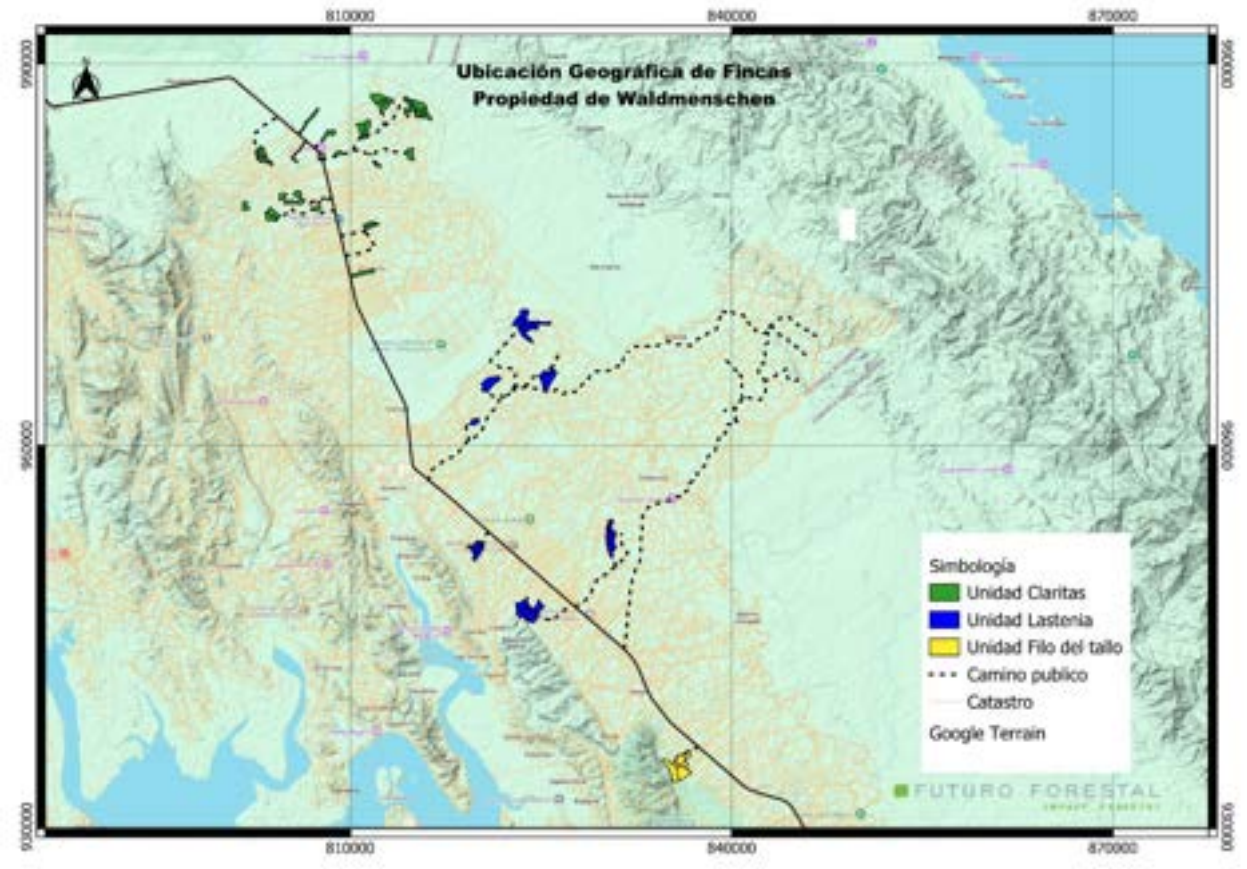


Figure 2. Location map of the operational units in Darién.

3.2 Areas by owner and management unit

The total area under management of both companies, its cover composition and the plantations by species and year of establishment are presented below, broken down by owner and by management unit. The figures correspond to the land-use tables updated in 2026 from the GIS land-use database (version 1.1).

3.2.1 Waldmenschen S.A.

Waldmenschen S.A. groups forest properties located in the provinces of Darién and Colón, distributed across the operational units Claritas, Lastenia, Nicanor, Agua Fría, Metetí and Colón. The total area measured by actual polygon amounts to 2100.10 hectares. Of this total, 1184.23 hectares are established with forest plantations and 426.69 hectares are under assisted regeneration management, reaching a used area of 1610.92 hectares.

Management unit	Total area (ha)	Planted (ha)	Regen. assisted (ha)	Used area (ha)	Other cover (ha)
Claritas	**956.89**	**620.35**	**156.63**	**776.98**	**179.91**
Lastenia	**589.11**	**278.97**	**150.27**	**429.24**	**159.87**
Nicanor	**234.81**	**148.08**	**76.33**	**224.41**	**10.40**

Management unit	Total area (ha)	Planted (ha)	Regen. assisted (ha)	Used area (ha)	Other cover (ha)
R2E	**148.39**	**55.66**	**12.78**	**68.44**	**79.95**
Colón	**145.51**	**62.70**	**23.83**	**86.53**	**58.98**
Agua Fria	**25.39**	**18.47**	**6.85**	**25.32**	**0.07**
TOTAL Waldmenschen S.A.	**2100.10**	**1184.23**	**426.69**	**1610.92**	**489.18**

Table 5. Areas of Waldmenschen S.A. by management unit at the close of the 2025 period.

The distribution of planted area by forest species and year of establishment is presented in the following table. It includes all the species used in the reforestation and assisted regeneration processes of Waldmenschen S.A.

Scientific name	Common name	2012	2013	2015	2016	2018	2019	2020	2021	2022	2023	2024	2025	Total
Dalbergia retusa	Cocobolo			1.88	0.32			1.26	72.70	235.19	132.48	41.16	2.30	**487.29**
Tectona grandis	Teak		15.91			0.99			30.82	107.31		18.74	9.93	**183.70**
Tabebuia rosea	Roble							3.85	7.04	53.17	38.23	39.04	18.40	**159.73**
Dipteryx oleifera	Almendro						0.47	0.08	0.82	31.99	25.12	6.57	14.72	**79.77**
Cedrela odorata	Spanish cedar							8.42	13.42	37.62	6.30		5.57	**71.33**
Mixed natives	Mixed natives						25.81			1.30	13.46			**40.57**
Swietenia macrophylla	Mahogany									16.18	18.15	2.30	0.62	**37.25**
Tabebuia impetiginosa	Guayacán morado								8.45	5.05	12.87	2.15		**28.52**
Terminalia oblonga	Guayabo de charco								2.34			4.75	17.27	**24.36**
Terminalia amazonia	Amarillo guayaquil						4.74			2.20	15.87			**22.81**
Astronium graveolens	Zorro / Ron Ron							0.32	11.67		3.71	2.07		**17.77**
Carapa guianensis	Cedro bateo										10.44			**10.44**
Cordia alliodora	Laurel									0.47	4.23			**4.70**
Myroxylon balsamum	Balsam								0.56	2.93	0.64			**4.13**

Scientific name	Common name	2012	2013	2015	2016	2018	2019	2020	2021	2022	2023	2024	2025	Total
Cariniana pyriformis	Albarco											2.73		**2.73**
Centrolobium yavizanum	Amarillo										1.09	0.83		**1.92**
Platymiscium pinnatum	Quira								0.60	1.32				**1.92**
Plots Zurich	Plots Zurich (mixed)									1.85				**1.85**
Ormosia macrocalyx	Espadero											1.01		**1.01**
Tapirira guianensis	Caracolí											0.96		**0.96**
Manilkara zapota	Níspero											0.55		**0.55**
Brosimum alicastrum	Berbá / Ramón									0.46				**0.46**
Maclura tinctoria	Mora			0.26		0.10								**0.36**
Genipa americana	Jagua											0.10		**0.10**
Assisted regeneration	Assisted regeneration	6.85				23.83		9.56	106.27	275.33	4.85			**426.69**
TOTAL	—	**6.85**	**15.91**	**2.14**	**0.32**	**24.92**	**31.02**	**23.49**	**254.69**	**772.37**	**287.44**	**122.96**	**68.81**	**1610.92**

Table 6. Planted area (ha) by species and year of establishment — Waldmenschen S.A. Source: Futuro Forestal forestry database.

3.2.2 Forestal Filo del Tallo S.A.

Forestal Filo del Tallo S.A. corresponds to the Filo del Tallo operational unit, located in the province of Darién. Its total area measured by actual polygon is 272.16 hectares. Of that total, 193.51 hectares correspond to forest plantations and 50.95 hectares to assisted regeneration, reaching a used area of 244.46 hectares.

Management unit	Total area (ha)	Planted (ha)	Regen. assisted (ha)	Used area (ha)	Other cover (ha)
Filo del Tallo	**272.16**	**193.51**	**50.95**	**244.46**	**27.70**
TOTAL Forestal Filo del Tallo S.A.	**272.16**	**193.51**	**50.95**	**244.46**	**27.70**

Table 7. Areas of Forestal Filo del Tallo S.A. by management unit at the close of the 2025 period.

The distribution of planted area by forest species and year of establishment of Forestal Filo del Tallo S.A. is presented in the following table:

Scientific name	Common name	2023	2024	2025	Total
Dalbergia retusa	Cocobolo	68.45	3.27	4.75	**76.47**
Tabebuia rosea	Roble	28.17	2.21	2.00	**32.38**
Cedrela odorata	Spanish cedar	16.53			**16.53**
Dipteryx oleifera	Almendro	8.45	2.33		**10.78**
Tabebuia impetiginosa	Guayacán morado	4.11	4.43		**8.54**
Tectona grandis	Teak		5.74	2.34	**8.08**
Cariniana pyriformis	Albarco		0.55	7.00	**7.55**
Astronium graveolens	Zorro / Ron Ron	7.33			**7.33**
Terminalia amazonia	Amarillo guayaquil	5.29			**5.29**
Swietenia macrophylla	Mahogany	4.71			**4.71**
Centrolobium yavizanum	Amarillo	1.10	2.90	0.62	**4.62**
Manilkara zapota	Níspero	4.19			**4.19**
Hieronyma alchorneoides	Zapatero	2.71			**2.71**
Lecythis tuyrana	Caracucha	1.36			**1.36**
Brosimum alicastrum	Berbá / Ramón	0.95			**0.95**
Sterculia apetala	Panamá	0.78			**0.78**
Ormosia macrocalyx	Espadero		0.44		**0.44**
Albizia guachapele	Guachapelí	0.35			**0.35**

Scientific name	Common name	2023	2024	2025	Total
Pachira quinata	Cedro espino		0.23		**0.23**
Ceiba pentandra	Ceibo			0.22	**0.22**
Assisted regeneration	Assisted regeneration	50.95			**50.95**
TOTAL	—	**205.43**	**22.10**	**16.93**	**244.46**

Table 8. Planted area (ha) by species and year of establishment — Forestal Filo del Tallo S.A. Source: Futuro Forestal forestry database.

3.3 Land use by farm

The following tables present the land use of each farm, identified by its property registration number (Farm No.). Each table details the species planted, the initial planting distance and the resulting density (trees per hectare), the reforested area by species and year of planting, and the remaining land-use classes of the farm (assisted natural regeneration, protection and stream areas, pasture, roads, firebreaks and other uses). The farms are grouped by owner and management unit.

3.3.1 Waldmenschen S.A.

Claritas unit

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			—	
Total, reforested				**0.00**	**0.00**
Pasture					29.40
Assisted natural regeneration					5.74
Protection area					2.65
Stream area					2.38
Artificial lake					0.07
Total area					**40.24**

Table 9. Land use of Farm No. 2796 – Agustin Banda (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			—	
Total, reforested				**0.00**	**0.00**
Pasture					0.60
Total area					**0.60**

Table 10. Land use of Farm No. 3119 – Agustin Banda (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			—	
Total, reforested				**0.00**	**0.00**
Pasture					24.20
Assisted natural regeneration					5.57
Protection area					3.44
Stream area					4.34
Artificial lake					0.09
Total area					**37.64**

Table 11. Land use of Farm No. 4152 – Agustin Banda (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2023	2025	
Rosewood	*Dalbergia retusa*	3x4	833	16.39		**16.39**
Teak	*Tectona grandis*	4x5	500		9.93	**9.93**
Bullywood	*Terminalia amazonia*	3x4	833	6.79		**6.79**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	5.42		**5.42**
Mahogany	*Swietenia macrophylla*	3x4	833	4.09		**4.09**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.76		**3.76**
Almendro	*Dipteryx oleifera*	3x4	833	2.04		**2.04**
Spanish cedar	*Cedrela odorata*	3x4	833	1.89		**1.89**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.36		**1.36**
Balsam tree	*Myroxylon balsamum*	3x4	833	0.64		**0.64**
Total, reforested				**42.38**	**9.93**	**52.31**
Assisted natural regeneration						5.82
Stream area						1.30
Artificial lake						0.25
Roads						0.76
Camp and infrastructure						0.35
Firebreaks, fences and other uses						0.28
Total area						**61.07**

Table 12. Land use of Farm No. 30394427 – Clamades Villareal (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2021	2024	
Rosewood	*Dalbergia retusa*	3x4	833	13.89		**13.89**
Teak	*Tectona grandis*	4x5	500	5.78	3.20	**8.98**
Goncalo alves	*Astronium graveolens*	3x4	833	5.83		**5.83**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	2.99		**2.99**
Spanish cedar	*Cedrela odorata*	3x4	833	0.73		**0.73**
Balsam tree	*Myroxylon balsamum*	3x4	833	0.56		**0.56**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		0.35	**0.35**
Genipap	*Genipa americana*	3x4	833		0.06	**0.06**
Total, reforested				**29.78**	**3.61**	**33.39**
Assisted natural regeneration						4.01
Protection area						3.85
Stream area						1.03
Artificial lake						0.30
Roads						0.27
Firebreaks, fences and other uses						0.41
Total area						**43.26**

Table 13. Land use of Farm No. 30123319 – Claritas 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2021	2024	
Teak	*Tectona grandis*	4x5	500	9.80	3.22	**13.02**
Rosewood	*Dalbergia retusa*	3x4	833	12.31		**12.31**
Spanish cedar	*Cedrela odorata*	3x4	833	2.98		**2.98**
Guayabo	*Terminalia oblonga*	3x4	833	0.28	2.15	**2.43**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.41	0.56	**0.97**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.44		**0.44**
Ormosia	*Ormosia macrocalyx*	3x4	833		0.27	**0.27**
Genipap	*Genipa americana*	3x4	833		0.04	**0.04**
Teak and Spanish cedar	*Tectona grandis and Cedrela odorata*	4x5	500	0.02		**0.02**
Total, reforested				**26.24**	**6.24**	**32.48**
Assisted natural regeneration						5.67
Stream area						0.59
Artificial lake						0.16
Roads						0.34
Firebreaks, fences and other uses						0.56
Total area						**39.80**

Table 14. Land use of Farm No. 30124630 – Claritas 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2021	
Rosewood	*Dalbergia retusa*	3x4	833	7.60	**7.60**
Spanish cedar	*Cedrela odorata*	3x4	833	2.72	**2.72**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.44	**1.44**
Goncalo alves	*Astronium graveolens*	3x4	833	0.81	**0.81**
Macawood	*Platymiscium pinnatum*	3x4	833	0.60	**0.60**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.43	**0.43**
Total, reforested				**13.60**	**13.60**
Assisted natural regeneration					2.19
Stream area					0.79
Artificial lake					0.13
Total area					**16.71**

Table 15. Land use of Farm No. 218060 – Claritas 2 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2024	
Rosewood	*Dalbergia retusa*	3x4	833	9.52	**9.52**
Total, reforested				**9.52**	**9.52**
Pasture					29.88
Assisted natural regeneration					1.43
Artificial lake					0.15
Firebreaks, fences and other uses					1.23
Total area					**42.21**

Table 16. Land use of Farm No. 235668 – Claritas 3 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2024	
Rosewood	*Dalbergia retusa*	3x4	833	0.38	1.15	**1.53**
Breadnut	*Brosimum alicastrum*	3x4	833	0.46		**0.46**
Balsam tree	*Myroxylon balsamum*	3x4	833	0.14		**0.14**
Total, reforested				**0.98**	**1.15**	**2.13**
Assisted natural regeneration						0.85
Firebreaks, fences and other uses						0.08
Total area						**3.06**

Table 17. Land use of Farm No. 190371 – Contenedores (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2018	2022	
Rosewood	*Dalbergia retusa*	3x4	833		5.75	**5.75**
Mahogany	*Swietenia macrophylla*	3x4	833		1.73	**1.73**
Spanish cedar	*Cedrela odorata*	3x4	833		1.34	**1.34**
Almendro	*Dipteryx oleifera*	3x4	833		1.14	**1.14**
Teak	*Tectona grandis*	4x5	500	0.99		**0.99**
Balsam tree	*Myroxylon balsamum*	3x4	833		0.36	**0.36**
Total, reforested				**0.99**	**10.32**	**11.31**
Assisted natural regeneration						4.74
Protection area						2.31
Roads						0.66
Firebreaks, fences and other uses						0.27
Total area						**19.29**

Table 18. Land use of Farm No. 190400 – Contenedores (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Spanish cedar	*Cedrela odorata*	3x4	833	1.12	**1.12**
Rosewood	*Dalbergia retusa*	3x4	833	0.96	**0.96**
Total, reforested				**2.08**	**2.08**
Assisted natural regeneration					0.17
Artificial lake					0.19
Firebreaks, fences and other uses					0.15
Total area					**2.59**

Table 19. Land use of Farm No. 190401 – Contenedores (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.45	**4.45**
Rosewood and West Indian elm	*Dalbergia retusa and Guazuma ulmifolia*	3x4	833	1.34	**1.34**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.77	**0.77**
Spanish cedar	*Cedrela odorata*	3x4	833	0.52	**0.52**
Mahogany	*Swietenia macrophylla*	3x4	833	0.46	**0.46**
Total, reforested				**7.54**	**7.54**
Assisted natural regeneration					1.56
Firebreaks, fences and other uses					1.32
Total area					**10.42**

Table 20. Land use of Farm No. 30361092 – Corazon Nativo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2021	
Teak	*Tectona grandis*	4x5	500	9.13	**9.13**
Rosewood	*Dalbergia retusa*	3x4	833	7.85	**7.85**
Goncalo alves	*Astronium graveolens*	3x4	833	3.48	**3.48**
Spanish cedar	*Cedrela odorata*	3x4	833	3.29	**3.29**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	3.15	**3.15**
Guayabo	*Terminalia oblonga*	3x4	833	2.06	**2.06**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.71	**1.71**
Total, reforested				**30.67**	**30.67**
Pasture					1.49
Assisted natural regeneration					8.08
Stream area					3.01
Artificial lake					0.25
Roads					0.28
Firebreaks, fences and other uses					0.21
Total area					**43.99**

Table 21. Land use of Farm No. 1866 – Dario Castro (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2023	
Rosewood	*Dalbergia retusa*	3x4	833	6.16	**6.16**
Almendro	*Dipteryx oleifera*	3x4	833	4.88	**4.88**
Mahogany	*Swietenia macrophylla*	3x4	833	3.21	**3.21**
Goncalo alves	*Astronium graveolens*	3x4	833	1.64	**1.64**
Total, reforested				**15.89**	**15.89**
Assisted natural regeneration					7.95
Stream area					0.51
Artificial lake					0.04
Firebreaks, fences and other uses					0.15
Total area					**24.54**

Table 22. Land use of Farm No. 30418636 – Elia Castillo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood	*Dalbergia retusa*	3x4	833	13.31		**13.31**
Spanish cedar	*Cedrela odorata*	3x4	833	7.03		**7.03**
Almendro	*Dipteryx oleifera*	3x4	833	4.82	1.11	**5.93**
Macawood	*Platymiscium pinnatum*	3x4	833	1.32		**1.32**
Balsam tree	*Myroxylon balsamum*	3x4	833	1.18		**1.18**
Goncalo alves	*Astronium graveolens*	3x4	833		1.06	**1.06**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.67		**0.67**
Mahogany, Bullywood and Pithecellobium	*Swietenia macrophylla, Terminalia amazonia and Pithecellobium sp.*	3x4	833	0.45		**0.45**
Total, reforested				**28.78**	**2.17**	**30.95**
Assisted natural regeneration						10.58
Stream area						4.15
Roads						0.50
Firebreaks, fences and other uses						0.03
Total area						**46.21**

Table 23. Land use of Farm No. 960 – Espave (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2025	
Rosewood	*Dalbergia retusa*	3x4	833	5.29	0.16	**5.45**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.07		**4.07**
Almendro	*Dipteryx oleifera*	3x4	833		1.51	**1.51**
Teak	*Tectona grandis*	4x5	500	1.30		**1.30**
Total, reforested				**10.66**	**1.67**	**12.33**
Pasture						4.23
Assisted natural regeneration						3.89
Stream area						1.08
Artificial lake						0.04
Firebreaks, fences and other uses						0.01
Total area						**21.58**

Table 24. Land use of Farm No. 2627 – Genarino Peralta (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.25	**4.25**
Teak	*Tectona grandis*	4x5	500	3.55	**3.55**
Spanish cedar	*Cedrela odorata*	3x4	833	2.97	**2.97**
Almendro and Bullywood	*Dipteryx oleifera and Terminalia amazonia*	3x4	833	2.15	**2.15**
Rosewood and mixed natives	*Dalbergia retusa and mixed native species*	3x4	833	2.08	**2.08**
Mahogany	*Swietenia macrophylla*	3x4	833	0.99	**0.99**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.59	**0.59**
Almendro and Rosewood	*Dipteryx oleifera and Dalbergia retusa*	3x4	833	0.29	**0.29**
Total, reforested				**16.87**	**16.87**
Stream area					0.97
Artificial lake					0.10
Firebreaks, fences and other uses					0.68
Total area					**18.62**

Table 25. Land use of Farm No. 886 – Gindi Trujillo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Teak	*Tectona grandis*	4x5	500	12.13	**12.13**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.70	**3.70**
Total, reforested				**15.83**	**15.83**
Assisted natural regeneration					3.25
Stream area					4.31
Artificial lake					0.12
Firebreaks, fences and other uses					1.15
Total area					**24.66**

Table 26. Land use of Farm No. 30387827 – Joaquin Hernandez (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Teak	*Tectona grandis*	4x5	500	22.50		**22.50**
Almendro	*Dipteryx oleifera*	3x4	833	6.60	1.95	**8.55**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	4.92	0.69	**5.61**
Mahogany	*Swietenia macrophylla*	3x4	833	3.29		**3.29**
Spanish cedar	*Cedrela odorata*	3x4	833	2.44		**2.44**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.71		**0.71**
Total, reforested				**40.46**	**2.64**	**43.10**
Assisted natural regeneration						9.51
Artificial lake						0.15
Roads						0.67
Firebreaks, fences and other uses						0.37
Total area						**53.80**

Table 27. Land use of Farm No. 1962 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	2.15	**2.15**
Pink trumpet tree and Cativo	*Tabebuia rosea and Prioria copaifera*	3x4	833	1.91	**1.91**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	1.76	**1.76**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.19	**1.19**
Spanish cedar	*Cedrela odorata*	3x4	833	0.39	**0.39**
Mahogany	*Swietenia macrophylla*	3x4	833	0.27	**0.27**
Total, reforested				**7.67**	**7.67**
Pasture					2.61
Assisted natural regeneration					3.99
Stream area					2.13
Poorly drained area					0.45
Artificial lake					0.07
Roads					0.15
Camp and infrastructure					0.26
Firebreaks, fences and other uses					0.09
Total area					**17.42**

Table 28. Land use of Farm No. 30358613 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Teak	*Tectona grandis*	4x5	500	4.38		**4.38**
Rosewood and Salmwood	*Dalbergia retusa and Cordia alliodora*	3x4	833	2.00		**2.00**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	1.76	0.19	**1.95**
Rosewood	*Dalbergia retusa*	3x4	833	1.70		**1.70**
Mahogany	*Swietenia macrophylla*	3x4	833	0.87		**0.87**
Total, reforested				**10.71**	**0.19**	**10.90**
Assisted natural regeneration						3.46
Stream area						1.26
Poorly drained area						0.34
Roads						0.19
Firebreaks, fences and other uses						0.04
Total area						**16.19**

Table 29. Land use of Farm No. 30358742 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2024	
Rosewood and Salmwood	*Dalbergia retusa and Cordia alliodora*	3x4	833	3.48	2.40	4.21	**10.09**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.66			**4.66**
Salmwood	*Cordia alliodora*	3x4	833	0.47			**0.47**
Total, reforested				**8.61**	**2.40**	**4.21**	**15.22**
Assisted natural regeneration							2.13
Stream area							0.27
Roads							0.13
Firebreaks, fences and other uses							0.17
Total area							**17.92**

Table 30. Land use of Farm No. 30359029 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Pink trumpet tree and Cativo	*Tabebuia rosea and Prioria copaifera*	3x4	833	5.46		**5.46**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.49	0.02	**3.51**
Spanish cedar	*Cedrela odorata*	3x4	833	0.48		**0.48**
Rosewood	*Dalbergia retusa*	3x4	833	0.39		**0.39**
Total, reforested				**9.82**	**0.02**	**9.84**
Assisted natural regeneration						2.93
Stream area						1.90
Poorly drained area						2.13
Roads						0.14
Camp and infrastructure						0.08
Total area						**17.02**

Table 31. Land use of Farm No. 30359110 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	1.61	1.36	**2.97**
Teak	*Tectona grandis*	4x5	500	2.39		**2.39**
Rosewood	*Dalbergia retusa*	3x4	833	2.10		**2.10**
Pink trumpet tree and Cativo	*Tabebuia rosea and Prioria copaifera*	3x4	833	1.01		**1.01**
Total, reforested				**7.11**	**1.36**	**8.47**
Pasture						0.73
Assisted natural regeneration						4.06
Stream area						1.01
Poorly drained area						1.92
Roads						0.09
Total area						**16.28**

Table 32. Land use of Farm No. 30359842 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	7.67	**7.67**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.62	**1.62**
Mahogany	*Swietenia macrophylla*	3x4	833	1.33	**1.33**
Total, reforested				**10.62**	**10.62**
Assisted natural regeneration					4.22
Poorly drained area					1.66
Artificial lake					0.09
Roads					0.36
Firebreaks, fences and other uses					0.53
Total area					**17.48**

Table 33. Land use of Farm No. 30359853 – La Esperanza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2021	
Rosewood	*Dalbergia retusa*	3x4	833	1.87	**1.87**
Goncalo alves	*Astronium graveolens*	3x4	833	0.07	**0.07**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.06	**0.06**
Total, reforested				**2.00**	**2.00**
Assisted natural regeneration					0.28
Firebreaks, fences and other uses					0.24
Total area					**2.52**

Table 34. Land use of Farm No. DpP – La Ponderosa (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2020	2021	
Spanish cedar	*Cedrela odorata*	3x4	833	4.88		**4.88**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.18	0.53	**1.71**
Rosewood, Spanish cedar and Mahogany	*Dalbergia retusa, Cedrela odorata and Swietenia macrophylla*	3x4	833	0.84		**0.84**
Almendro	*Dipteryx oleifera*	3x4	833	0.05		**0.05**
Total, reforested				**6.95**	**0.53**	**7.48**
Assisted natural regeneration						1.33
Artificial lake						0.22
Firebreaks, fences and other uses						0.29
Total area						**9.32**

Table 35. Land use of Farm No. 218957 – La Ponderosa (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2021	
Rosewood	*Dalbergia retusa*	3x4	833	4.85	**4.85**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	2.89	**2.89**
Goncalo alves	*Astronium graveolens*	3x4	833	1.48	**1.48**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.44	**1.44**
Spanish cedar	*Cedrela odorata*	3x4	833	0.54	**0.54**
Teak	*Tectona grandis*	4x5	500	0.02	**0.02**
Total, reforested				**11.22**	**11.22**
Assisted natural regeneration					0.96
Artificial lake					0.16
Firebreaks, fences and other uses					0.75
Total area					**13.09**

Table 36. Land use of Farm No. 235655 – La Ponderosa (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2020	2021	
Teak	*Tectona grandis*	4x5	500		6.07	**6.07**
Rosewood	*Dalbergia retusa*	3x4	833		4.62	**4.62**
Spanish cedar	*Cedrela odorata*	3x4	833	3.54		**3.54**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	2.67		**2.67**
Almendro	*Dipteryx oleifera*	3x4	833	0.03	0.82	**0.85**
Rosewood, Spanish cedar and Mahogany	*Dalbergia retusa, Cedrela odorata and Swietenia macrophylla*	3x4	833	0.42		**0.42**
Goncalo alves	*Astronium graveolens*	3x4	833	0.32		**0.32**
Total, reforested				**6.98**	**11.51**	**18.49**
Assisted natural regeneration						6.99
Artificial lake						0.04
Firebreaks, fences and other uses						0.78
Total area						**26.30**

Table 37. Land use of Farm No. 280254 – La Ponderosa (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2024	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.98		**4.98**
Teak	*Tectona grandis*	4x5	500	3.54	0.69	**4.23**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		1.11	**1.11**
Rosewood and Salmwood	*Dalbergia retusa and Cordia alliodora*	3x4	833	1.11		**1.11**
Rosewood	*Dalbergia retusa*	3x4	833		0.08	**0.08**
Total, reforested				**9.63**	**1.88**	**11.51**
Assisted natural regeneration						1.13
Artificial lake						0.03
Firebreaks, fences and other uses						2.08
Total area						**14.75**

Table 38. Land use of Farm No. 218047 – Las 15 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2021	2022	
Rosewood	*Dalbergia retusa*	3x4	833	6.46	3.10	**9.56**
Spanish cedar	*Cedrela odorata*	3x4	833	3.16		**3.16**
Balsam tree	*Myroxylon balsamum*	3x4	833		0.39	**0.39**
Mahogany	*Swietenia macrophylla*	3x4	833		0.31	**0.31**
Total, reforested				**9.62**	**3.80**	**13.42**
Assisted natural regeneration						3.27
Poorly drained area						0.02
Firebreaks, fences and other uses						0.04
Total area						**16.75**

Table 39. Land use of Farm No. 30358872 – Limite (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2021	
Rosewood	*Dalbergia retusa*	3x4	833	13.25	**13.25**
Total, reforested				**13.25**	**13.25**
Assisted natural regeneration					7.63
Stream area					5.74
Firebreaks, fences and other uses					0.01
Total area					**26.63**

Table 40. Land use of Farm No. 3479 – Raul Castro (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood	*Dalbergia retusa*	3x4	833	8.80		**8.80**
Teak	*Tectona grandis*	4x5	500	5.16		**5.16**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	4.21		**4.21**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.83		**3.83**
Mahogany	*Swietenia macrophylla*	3x4	833	2.26		**2.26**
Spanish cedar	*Cedrela odorata*	3x4	833	1.12		**1.12**
Pink trumpet tree and Spanish cedar	*Tabebuia rosea and Cedrela odorata*	3x4	833		0.17	**0.17**
Total, reforested				**25.38**	**0.17**	**25.55**
Assisted natural regeneration						9.87
Artificial lake						0.32
Roads						0.71
Total area						**36.45**

Table 41. Land use of Farm No. 217884 – Raul Espinoza (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2024	
Teak	*Tectona grandis*	4x5	500	7.48		**7.48**
Rosewood	*Dalbergia retusa*	3x4	833	6.53		**6.53**
Almendro	*Dipteryx oleifera*	3x4	833	5.12		**5.12**
Almendro and Bullywood	*Dipteryx oleifera and Terminalia amazonia*	3x4	833	3.66		**3.66**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.77		**2.77**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	2.58		**2.58**
Spanish cedar	*Cedrela odorata*	3x4	833	2.36		**2.36**
Mixed natives	Various native species	3x4	833	1.29		**1.29**
Guayabo	*Terminalia oblonga*	3x4	833		1.20	**1.20**
Total, reforested				**31.79**	**1.20**	**32.99**
Assisted natural regeneration						2.72
Stream area						0.84
Artificial lake						0.10
Roads						0.49
Camp and infrastructure						0.11
Firebreaks, fences and other uses						0.47
Total area						**37.72**

Table 42. Land use of Farm No. 3905 – Tello 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Pink lapacho	*Tabebuia impetiginosa*	3x4	833		3.37	**3.37**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833		2.90	**2.90**
Rosewood	*Dalbergia retusa*	3x4	833		1.86	**1.86**
Almendro	*Dipteryx oleifera*	3x4	833		1.74	**1.74**
Mahogany	*Swietenia macrophylla*	3x4	833		1.58	**1.58**
Canarywood	*Centrolobium yavizanum*	3x4	833		1.09	**1.09**
Spanish cedar	*Cedrela odorata*	3x4	833		0.36	**0.36**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.16		**0.16**
Mixed natives	Various native species	3x4	833	0.01		**0.01**
Total, reforested				**0.17**	**12.90**	**13.07**
Assisted natural regeneration						3.91
Stream area						1.73
Firebreaks, fences and other uses						0.34
Total area						**19.05**

Table 43. Land use of Farm No. 313219 – Tello 2 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2024	
Teak	*Tectona grandis*	4x5	500	2.87	3.04	**5.91**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	0.23	4.61	**4.84**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.55	1.19	**2.74**
Tapirira	*Tapirira guianensis*	3x4	833		0.96	**0.96**
Total, reforested				**4.65**	**9.80**	**14.45**
Assisted natural regeneration						2.74
Stream area						0.64
Poorly drained area						0.08
Artificial lake						0.43
Roads						0.42
Firebreaks, fences and other uses						0.39
Total area						**19.15**

Table 44. Land use of Farm No. 3123 – Tello 3 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	14.06	**14.06**
Teak	*Tectona grandis*	4x5	500	8.87	**8.87**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	5.99	**5.99**
Almendro	*Dipteryx oleifera*	3x4	833	4.30	**4.30**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.42	**1.42**
Spanish cedar	*Cedrela odorata*	3x4	833	1.33	**1.33**
Mahogany	*Swietenia macrophylla*	3x4	833	1.30	**1.30**
Rosewood	*Dalbergia retusa*	3x4	833	0.39	**0.39**
Total, reforested				**37.66**	**37.66**
Assisted natural regeneration					3.35
Artificial lake					0.06
Roads					0.64
Firebreaks, fences and other uses					1.33
Total area					**43.04**

Table 45. Land use of Farm No. 6087 – Teofilo Herrera (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	6.05		**6.05**
Almendro	*Dipteryx oleifera*	3x4	833		4.63	**4.63**
Rosewood	*Dalbergia retusa*	3x4	833	0.34	2.14	**2.48**
Total, reforested				**6.39**	**6.77**	**13.16**
Pasture						0.79
Assisted natural regeneration						8.54
Artificial lake						0.03
Total area						**22.52**

Table 46. Land use of Farm No. 4869 – Ubaldino Consuegra (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2023	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.92	**3.92**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	2.87	**2.87**
Almendro	*Dipteryx oleifera*	3x4	833	2.20	**2.20**
Spanish cedar	*Cedrela odorata*	3x4	833	1.80	**1.80**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.62	**1.62**
Mahogany	*Swietenia macrophylla*	3x4	833	0.96	**0.96**
Rosewood	*Dalbergia retusa*	3x4	833	0.01	**0.01**
Total, reforested				**13.38**	**13.38**
Assisted natural regeneration					2.11
Stream area					1.35
Roads					0.09
Firebreaks, fences and other uses					0.07
Total area					**17.00**

Table 47. Land use of Farm No. 6276 – Uri (ha). Source: Futuro Forestal land-use tables, 2026.

Lastenia unit

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	8.11	3.23		**11.34**
Rosewood	*Dalbergia retusa*	3x4	833		3.61		**3.61**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.73	1.99	0.56	**3.28**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833		3.12		**3.12**
Almendro	*Dipteryx oleifera*	3x4	833		2.32		**2.32**
Mahogany	*Swietenia macrophylla*	3x4	833		2.12		**2.12**
Bullywood	*Terminalia amazonia*	3x4	833		1.06		**1.06**
Trial plots (Zurich)	Various species	3x4	833	0.85			**0.85**
Total, reforested				**9.69**	**17.45**	**0.56**	**27.70**
Pasture							0.17
Assisted natural regeneration							8.05
Stream area							0.75
Poorly drained area							0.18
Roads							0.43
Camp and infrastructure							0.09
Firebreaks, fences and other uses							0.01
Total area							**37.38**

Table 48. Land use of Farm No. 1289 – Altos del Cristo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.90	13.03	**15.93**
Rosewood	*Dalbergia retusa*	3x4	833		6.33	**6.33**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		5.88	**5.88**
Bullywood	*Terminalia amazonia*	3x4	833		1.16	**1.16**
Trial plots (Zurich)	Various species	3x4	833	1.00		**1.00**
Total, reforested				**3.90**	**26.40**	**30.30**
Assisted natural regeneration						6.64
Stream area						2.09
Poorly drained area						0.11
Low secondary growth						0.52
Roads						0.42
Firebreaks, fences and other uses						0.13
Total area						**40.21**

Table 49. Land use of Farm No. 1663 – Altos del Cristo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood	*Dalbergia retusa*	3x4	833		4.05	**4.05**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	0.57	1.05	**1.62**
Almendro	*Dipteryx oleifera*	3x4	833		1.16	**1.16**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833		0.10	**0.10**
Total, reforested				**0.57**	**6.36**	**6.93**
Assisted natural regeneration						3.38
Roads						0.17
Firebreaks, fences and other uses						0.07
Total area						**10.55**

Table 50. Land use of Farm No. 2162 – Altos del Cristo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood	*Dalbergia retusa*	3x4	833	0.73	**0.73**
Total, reforested				**0.73**	**0.73**
Pasture					16.79
Assisted natural regeneration					10.38
Poorly drained area					2.81
Artificial lake					0.15
Roads					0.53
Firebreaks, fences and other uses					0.16
Total area					**31.55**

Table 51. Land use of Farm No. 30150308 – Carlos Solis (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2023	2025	
Rosewood	*Dalbergia retusa*	3x4	833	22.18		**22.18**
Almendro	*Dipteryx oleifera*	3x4	833	1.06	6.40	**7.46**
Spanish cedar	*Cedrela odorata*	3x4	833		2.48	**2.48**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		1.11	**1.11**
Mahogany	*Swietenia macrophylla*	3x4	833	0.99		**0.99**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.85		**0.85**
Total, reforested				**25.08**	**9.99**	**35.07**
Assisted natural regeneration						4.97
Protection area						6.00
Artificial lake						0.18
Roads						0.38
Firebreaks, fences and other uses						0.22
Total area						**46.82**

Table 52. Land use of Farm No. 444101 – Jose Gabriel Garcia Ureña (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	16.24	**16.24**
Spanish cedar	*Cedrela odorata*	3x4	833	3.95	**3.95**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.82	**1.82**
Teak	*Tectona grandis*	4x5	500	1.55	**1.55**
Total, reforested				**23.56**	**23.56**
Assisted natural regeneration					13.68
Poorly drained area					10.64
Artificial lake					0.20
Roads					0.66
Camp and infrastructure					0.15
Firebreaks, fences and other uses					0.14
Total area					**49.03**

Table 53. Land use of Farm No. 1284 – Lastenia 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2022	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.68	**3.68**
Almendro	*Dipteryx oleifera*	3x4	833	1.08	**1.08**
Total, reforested				**4.76**	**4.76**
Assisted natural regeneration					34.15
Poorly drained area					10.03
Artificial lake					0.20
Roads					0.10
Total area					**49.24**

Table 54. Land use of Farm No. 2453 – Lastenia 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	5.28	1.29		**6.57**
Teak	*Tectona grandis*	4x5	500	6.05			**6.05**
Almendro	*Dipteryx oleifera*	3x4	833	2.46	1.85	1.69	**6.00**
Guayabo	*Terminalia oblonga*	3x4	833			4.45	**4.45**
Spanish cedar	*Cedrela odorata*	3x4	833	4.03		0.30	**4.33**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.32			**3.32**
Salmwood	*Cordia alliodora*	3x4	833		2.19		**2.19**
Rosewood	*Dalbergia retusa*	3x4	833		1.87		**1.87**
Total, reforested				**21.14**	**7.20**	**6.44**	**34.78**
Assisted natural regeneration							7.86
Protection area							2.36
Stream area							0.57
Artificial lake							0.14
Roads							0.41
Firebreaks, fences and other uses							0.13
Total area							**46.25**

Table 55. Land use of Farm No. 6159 – Lastenia 2 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	15.49		**15.49**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	2.30	2.34	**4.64**
Guayabo	*Terminalia oblonga*	3x4	833		2.98	**2.98**
Spanish cedar	*Cedrela odorata*	3x4	833	0.52		**0.52**
Almendro	*Dipteryx oleifera*	3x4	833		0.49	**0.49**
Total, reforested				**18.31**	**5.81**	**24.12**
Assisted natural regeneration						21.27
Poorly drained area						3.15
Artificial lake						0.16
Roads						0.13
Camp and infrastructure						0.06
Firebreaks, fences and other uses						0.48
Total area						**49.37**

Table 56. Land use of Farm No. 342926 – Lastenia 3 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2025	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.79	7.47	**8.26**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	6.10		**6.10**
Teak	*Tectona grandis*	4x5	500	2.62		**2.62**
Mahogany	*Swietenia macrophylla*	3x4	833	1.97	0.62	**2.59**
Spanish cedar	*Cedrela odorata*	3x4	833	1.40		**1.40**
Guayabo and Rosewood	*Terminalia oblonga and Dalbergia retusa*	3x4	833		0.11	**0.11**
Total, reforested				**12.88**	**8.20**	**21.08**
Assisted natural regeneration						2.28
Stream area						1.09
Artificial lake						0.32
Roads						0.32
Camp and infrastructure						0.12
Firebreaks, fences and other uses						2.47
Total area						**27.68**

Table 57. Land use of Farm No. 30163457 – Lastenia 4 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Rosewood	*Dalbergia retusa*	3x4	833	27.39			**27.39**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	8.13		6.92	**15.05**
Guayabo	*Terminalia oblonga*	3x4	833			7.76	**7.76**
Spanish cedar	*Cedrela odorata*	3x4	833	3.18		0.90	**4.08**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.95			**2.95**
Rosewood and Guayabo	*Dalbergia retusa and Terminalia oblonga*	3x4	833	1.34			**1.34**
Bullywood	*Terminalia amazonia*	3x4	833	1.22			**1.22**
Balsam tree	*Myroxylon balsamum*	3x4	833	0.86			**0.86**
Mahogany	*Swietenia macrophylla*	3x4	833	0.72			**0.72**
Almendro	*Dipteryx oleifera*	3x4	833		0.48		**0.48**
Salmwood	*Cordia alliodora*	3x4	833		0.13		**0.13**
Total, reforested				**45.79**	**0.61**	**15.58**	**61.98**
Pasture							0.21
Assisted natural regeneration							29.26
Artificial lake							0.26
Roads							0.44
Camp and infrastructure							0.39
Firebreaks, fences and other uses							0.95
Total area							**93.49**

Table 58. Land use of Farm No. 2719 – Lastenia 5 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			—	
Total, reforested				**0.00**	**0.00**
Pasture					90.25
Assisted natural regeneration					6.61
Firebreaks, fences and other uses					0.03
Total area					**96.89**

Table 59. Land use of Farm No. 316283 – Luis de Gracia (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2023	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.54	**2.54**
Total, reforested				**2.54**	**2.54**
Firebreaks, fences and other uses					0.76
Total area					**3.30**

Table 60. Land use of Farm No. 920 – Marcelino Guerra (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2023	
Rosewood	*Dalbergia retusa*	3x4	833	3.39	**3.39**
Almendro	*Dipteryx oleifera*	3x4	833	1.16	**1.16**
Salmwood	*Cordia alliodora*	3x4	833	0.87	**0.87**
Total, reforested				**5.42**	**5.42**
Assisted natural regeneration					1.74
Artificial lake					0.02
Roads					0.08
Firebreaks, fences and other uses					0.09
Total area					**7.35**

Table 61. Land use of Farm No. 30336549 – Marcelino Guerra (ha). Source: Futuro Forestal land-use tables, 2026.

Nicanor unit

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2024	2025	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	11.24		**11.24**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	6.34		**6.34**
Abarco	*Cariniana pyriformis*	3x4	833	2.54		**2.54**
Rosewood	*Dalbergia retusa*	3x4	833	2.30		**2.30**
Spanish cedar	*Cedrela odorata*	3x4	833		1.52	**1.52**
Mahogany	*Swietenia macrophylla*	3x4	833	0.64		**0.64**
Spanish cedar and Tapirira	*Cedrela odorata and Tapirira guianensis*	3x4	833		0.37	**0.37**
Canarywood	*Centrolobium yavizanum*	3x4	833	0.18		**0.18**
Total, reforested				**23.24**	**1.89**	**25.13**
Assisted natural regeneration						15.26
Poorly drained area						0.11
Artificial lake						0.03
Roads						0.41
Firebreaks, fences and other uses						0.01
Total area						**40.95**

Table 62. Land use of Farm No. 1336 – Margarito Banda (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2023	2024	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	5.77	6.34	**12.11**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	6.08	0.11	**6.19**
Rosewood	*Dalbergia retusa*	3x4	833	0.91		**0.91**
Total, reforested				**12.76**	**6.45**	**19.21**
Assisted natural regeneration						5.94
Stream area						0.22
Artificial lake						0.14
Roads						0.26
Firebreaks, fences and other uses						0.01
Total area						**25.78**

Table 63. Land use of Farm No. 1339 – Margarito Banda (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2022	2023	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	10.00		**10.00**
Teak	*Tectona grandis*	4x5	500	3.45		**3.45**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	1.57		**1.57**
Bullywood	*Terminalia amazonia*	3x4	833	0.98	0.53	**1.51**
Rosewood	*Dalbergia retusa*	3x4	833		1.32	**1.32**
Spanish cedar	*Cedrela odorata*	3x4	833	1.12		**1.12**
Mahogany	*Swietenia macrophylla*	3x4	833	0.23	0.45	**0.68**
Almendro	*Dipteryx oleifera*	3x4	833	0.37		**0.37**
Rosewood and Ormosia	*Dalbergia retusa and Ormosia sp.*	3x4	833	0.27		**0.27**
Salmwood	*Cordia alliodora*	3x4	833		0.25	**0.25**
Total, reforested				**17.99**	**2.55**	**20.54**
Assisted natural regeneration						11.28
Stream area						2.01
Artificial lake						0.05
Low secondary growth						1.80
Roads						0.34
Camp and infrastructure						0.30
Firebreaks, fences and other uses						0.02
Total area						**36.34**

Table 64. Land use of Farm No. 1182 – Nicanor 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	5.44	2.68		**8.12**
Teak	*Tectona grandis*	4x5	500	4.06			**4.06**
Rosewood	*Dalbergia retusa*	3x4	833		3.11		**3.11**
Mahogany	*Swietenia macrophylla*	3x4	833		2.84		**2.84**
Spanish cedar	*Cedrela odorata*	3x4	833	2.32			**2.32**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.69			**0.69**
Guayabo	*Terminalia oblonga*	3x4	833			0.54	**0.54**
Total, reforested				**12.51**	**8.63**	**0.54**	**21.68**
Assisted natural regeneration							13.96
Artificial lake							0.14
Roads							0.32
Firebreaks, fences and other uses							0.09
Total area							**36.19**

Table 65. Land use of Farm No. 5553 – Nicanor 2 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Teak	*Tectona grandis*	4x5	500	10.59			**10.59**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		8.09		**8.09**
Rosewood	*Dalbergia retusa*	3x4	833		6.30		**6.30**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833		2.96		**2.96**
Almendro	*Dipteryx oleifera*	3x4	833		1.72		**1.72**
Spanish cedar	*Cedrela odorata*	3x4	833		1.49		**1.49**
Salmwood	*Cordia alliodora*	3x4	833		0.79		**0.79**
Guayabo	*Terminalia oblonga*	3x4	833			0.64	**0.64**
Mahogany	*Swietenia macrophylla*	3x4	833		0.56		**0.56**
Total, reforested				**10.59**	**21.91**	**0.64**	**33.14**
Assisted natural regeneration							11.17
Stream area							1.38
Artificial lake							0.03
Roads							0.87
Camp and infrastructure							0.86
Firebreaks, fences and other uses							0.14
Total area							**47.59**

Table 66. Land use of Farm No. 1519 – Nicanor 3 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2022	2023	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.27	6.79		**9.06**
Pink trumpet tree	*Tabebuia rosea*	3x4	833		7.31		**7.31**
Teak	*Tectona grandis*	4x5	500	4.82			**4.82**
Rosewood	*Dalbergia retusa*	3x4	833		2.08		**2.08**
Mahogany	*Swietenia macrophylla*	3x4	833		1.35		**1.35**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833		1.20		**1.20**
Goncalo alves	*Astronium graveolens*	3x4	833		1.01		**1.01**
Guayabo	*Terminalia oblonga*	3x4	833			0.79	**0.79**
Spanish cedar	*Cedrela odorata*	3x4	833		0.76		**0.76**
Total, reforested				**7.09**	**20.50**	**0.79**	**28.38**
Assisted natural regeneration							18.72
Artificial lake							0.26
Roads							0.53
Firebreaks, fences and other uses							0.07
Total area							**47.96**

Table 67. Land use of Farm No. 1781 – Nicanor 4 (ha). Source: Futuro Forestal land-use tables, 2026.

R2E unit (El Oso)

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	**Scientific name**			**2024**	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	9.28	**9.28**
Rosewood	*Dalbergia retusa*	3x4	833	5.88	**5.88**
Teak	*Tectona grandis*	4x5	500	4.35	**4.35**
Goncalo alves	*Astronium graveolens*	3x4	833	2.07	**2.07**
Canarywood	*Centrolobium yavizanum*	3x4	833	0.65	**0.65**
Mahogany	*Swietenia macrophylla*	3x4	833	0.47	**0.47**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	0.47	**0.47**
Ormosia	*Ormosia macrocalyx*	3x4	833	0.44	**0.44**
Guayabo	*Terminalia oblonga*	3x4	833	0.36	**0.36**
Abarco	*Cariniana pyriformis*	3x4	833	0.19	**0.19**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	0.06	**0.06**
Total, reforested				**24.22**	**24.22**
Pasture					9.42
Assisted natural regeneration					5.62
Protection area					2.96
Stream area					3.96
Artificial lake					0.19
Roads					0.36
Firebreaks, fences and other uses					0.52
Total area					**47.25**

Table 68. Land use of Farm No. 3712 – El Oso (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2024	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	8.33	**8.33**
Rosewood	*Dalbergia retusa*	3x4	833	4.73	**4.73**
Teak	*Tectona grandis*	4x5	500	4.24	**4.24**
Almendro	*Dipteryx oleifera*	3x4	833	3.61	**3.61**
Almendro and Bullywood	*Dipteryx oleifera and Terminalia amazonia*	3x4	833	2.96	**2.96**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	2.17	**2.17**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.68	**1.68**
Guayabo	*Terminalia oblonga*	3x4	833	1.04	**1.04**
Mahogany and Tapirira	*Swietenia macrophylla and Tapirira guianensis*	3x4	833	0.93	**0.93**
Sapodilla	*Manilkara zapota*	3x4	833	0.55	**0.55**
Pink trumpet tree and Guayabo	*Tabebuia rosea and Terminalia oblonga*	3x4	833	0.22	**0.22**
Total, reforested				**30.46**	**30.46**
Pasture					21.08
Assisted natural regeneration					4.76
Stream area					1.36
Artificial lake					0.26
Roads					0.54
Camp and infrastructure					0.26
Firebreaks, fences and other uses					0.50
Total area					**59.22**

Table 69. Land use of Farm No. 4902 – El Oso (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2024	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	0.42	**0.42**
Ormosia	*Ormosia macrocalyx*	3x4	833	0.30	**0.30**
Mahogany	*Swietenia macrophylla*	3x4	833	0.26	**0.26**
Total, reforested				**0.98**	**0.98**
Pasture					38.37
Assisted natural regeneration					2.40
Artificial lake					0.17
Total area					**41.92**

Table 70. Land use of Farm No. 470912 – El Oso (ha). Source: Futuro Forestal land-use tables, 2026.

Colón unit

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	**Scientific name**			**2019**	
Mixed natives	Various native species	3x4	833	20.62	**20.62**
Bullywood and Rosewood	*Terminalia amazonia and Dalbergia retusa*	3x4	833	4.74	**4.74**
Almendro and Rosewood	*Dipteryx oleifera and Dalbergia retusa*	3x4	833	0.47	**0.47**
Total, reforested				**25.83**	**25.83**
Assisted natural regeneration					15.16
Stream area					7.78
Roads					0.28
Camp and infrastructure					0.11
Firebreaks, fences and other uses					0.47
Total area					**49.63**

Table 71. Land use of Farm No. DpG1 – Gatun 1 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	**Scientific name**			**2023**	
Crabwood	*Carapa guianensis*	3x4	833	10.44	**10.44**
Mixed natives	Various native species	3x4	833	7.45	**7.45**
Bullywood	*Terminalia amazonia*	3x4	833	6.33	**6.33**
Mixed natives	*Dipteryx oleifera, Terminalia amazonia and Jacaranda copaia*	3x4	833	4.19	**4.19**
Almendro	*Dipteryx oleifera*	3x4	833	1.45	**1.45**
Mixed natives	*Dipteryx oleifera, Manilkara bidentata and Swietenia macrophylla*	3x4	833	0.63	**0.63**
Mixed natives	*Calophyllum brasiliense, Dipteryx oleifera and Terminalia amazonia*	3x4	833	0.48	**0.48**
Mixed natives	*Calophyllum brasiliense, Simarouba amara and Dipteryx oleifera*	3x4	833	0.42	**0.42**
Mixed natives	*Calophyllum brasiliense, Simarouba amara and Vochysia ferruginea*	3x4	833	0.29	**0.29**
Total, reforested				**31.68**	**31.68**
Assisted natural regeneration					8.65
Stream area					4.49
Roads					0.10
Firebreaks, fences and other uses					4.05
Total area					**48.97**

Table 72. Land use of Farm No. 4516 – Gatun 2 (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year	Reforested area/species (ha)
Common name	Scientific name			2019	
Mixed natives	*Aspidosperma spruceanum, Manilkara bidentata, Calophyllum brasiliense, Calophyllum longifolium, Carapa guianensis, Dipteryx oleifera and Simarouba amara*	3x4	833	5.19	**5.19**
Total, reforested				**5.19**	**5.19**
Assisted natural regeneration					0.02
Protection area					41.54
Firebreaks, fences and other uses					0.16
Total area					**46.91**

Table 73. Land use of Farm No. 6704 – La Conexión (ha). Source: Futuro Forestal land-use tables, 2026.

Agua Fría unit

Species planted		Initial dist. (m)	Trees/ha	Planting year				Reforested area/species (ha)
Common name	Scientific name			2013	2015	2016	2018	
Teak	*Tectona grandis*	4x5	500	15.91				**15.91**
Rosewood	*Dalbergia retusa*	3x4	833		1.88	0.32		**2.20**
Fustic	*Maclura tinctoria*	3x4	833		0.26		0.10	**0.36**
Total, reforested				**15.91**	**2.14**	**0.32**	**0.10**	**18.47**
Assisted natural regeneration								6.85
Artificial lake								0.06
Firebreaks, fences and other uses								0.01
Total area								**25.39**

Table 74. Land use of Farm No. 2015 – Reina (ha). Source: Futuro Forestal land-use tables, 2026.

3.3.2 Forestal Filo del Tallo S.A.

Filo del Tallo unit

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2023	2024	2025	
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	15.82			**15.82**
Rosewood	*Dalbergia retusa*	3x4	833	12.36		2.63	**14.99**
Spanish cedar	*Cedrela odorata*	3x4	833	9.13			**9.13**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	6.65		0.46	**7.11**
Bullywood	*Terminalia amazonia*	3x4	833	5.29			**5.29**
Suradan	*Hieronyma alchorneoides*	3x4	833	2.71			**2.71**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.55			**1.55**
Sapodilla	*Manilkara zapota*	3x4	833	1.48			**1.48**
Goncalo alves	*Astronium graveolens*	3x4	833	1.16			**1.16**
Canarywood	*Centrolobium yavizanum*	3x4	833	0.46	0.07	0.62	**1.15**
Mahogany	*Swietenia macrophylla*	3x4	833	0.68			**0.68**
Abarco	*Cariniana pyriformis*	3x4	833			0.14	**0.14**
Total, reforested				**57.29**	**0.07**	**3.85**	**61.21**
Assisted natural regeneration							22.98
Protection area							0.53
Stream area							9.73
Artificial lake							0.22
Roads							0.71
Firebreaks, fences and other uses							0.16
Total area							**95.54**

Table 75. Land use of Farm No. 1069 – Filo del Tallo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2023	2025	
Rosewood	*Dalbergia retusa*	3x4	833	6.62	0.61	**7.23**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	5.78	1.14	**6.92**
Almendro	*Dipteryx oleifera*	3x4	833	5.32		**5.32**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.85		**4.85**
Goncalo alves	*Astronium graveolens*	3x4	833	4.33		**4.33**
Mahogany	*Swietenia macrophylla*	3x4	833	2.59		**2.59**
Abarco	*Cariniana pyriformis*	3x4	833		1.60	**1.60**
Monkey pot	*Lecythis tuyrana*	3x4	833	0.83		**0.83**
Almendro and Bullywood	*Dipteryx oleifera and Terminalia amazonia*	3x4	833	0.58		**0.58**
Total, reforested				**30.90**	**3.35**	**34.25**
Assisted natural regeneration						7.12
Stream area						3.32
Artificial lake						0.05
Roads						0.38
Firebreaks, fences and other uses						0.16
Total area						**45.28**

Table 76. Land use of Farm No. 1427 – Filo del Tallo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2023	2024	2025	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	8.60			**8.60**
Rosewood	*Dalbergia retusa*	3x4	833	2.91	2.25	1.48	**6.64**
Spanish cedar	*Cedrela odorata*	3x4	833	5.32			**5.32**
Abarco	*Cariniana pyriformis*	3x4	833		0.36	2.85	**3.21**
Canarywood	*Centrolobium yavizanum*	3x4	833		2.57		**2.57**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.32			**1.32**
Breadnut	*Brosimum alicastrum*	3x4	833	0.95			**0.95**
Panama tree	*Sterculia apetala*	3x4	833	0.78			**0.78**
Goncalo alves	*Astronium graveolens*	3x4	833	0.49			**0.49**
Monkey pot	*Lecythis tuyrana*	3x4	833	0.39			**0.39**
Guachapele	*Albizia guachapele*	3x4	833	0.35			**0.35**
Sapodilla	*Manilkara zapota*	3x4	833	0.25			**0.25**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	0.15			**0.15**
Almendro	*Dipteryx oleifera*	3x4	833	0.08			**0.08**
Total, reforested				**21.59**	**5.18**	**4.33**	**31.10**
Assisted natural regeneration							4.69
Stream area							0.20
Artificial lake							0.40
Roads							0.35
Firebreaks, fences and other uses							0.01
Total area							**36.75**

Table 77. Land use of Farm No. 1668 – Filo del Tallo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year			Reforested area/species (ha)
Common name	Scientific name			2023	2024	2025	
Rosewood	*Dalbergia retusa*	3x4	833	18.09	1.02	0.03	**19.14**
Teak	*Tectona grandis*	4x5	500		5.74	2.34	**8.08**
Pink trumpet tree	*Tabebuia rosea*	3x4	833	3.12	2.21		**5.33**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833		4.43		**4.43**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	4.15			**4.15**
Almendro	*Dipteryx oleifera*	3x4	833	0.82	2.33		**3.15**
Abarco	*Cariniana pyriformis*	3x4	833		0.19	2.41	**2.60**
Sapodilla	*Manilkara zapota*	3x4	833	2.46			**2.46**
Mahogany	*Swietenia macrophylla*	3x4	833	0.65			**0.65**
Ormosia	*Ormosia macrocalyx*	3x4	833		0.44		**0.44**
Canarywood	*Centrolobium yavizanum*	3x4	833		0.26		**0.26**
Spiny cedar	*Pachira quinata*	3x4	833		0.23		**0.23**
Kapok	*Ceiba pentandra*	3x4	833			0.22	**0.22**
Monkey pot	*Lecythis tuyrana*	3x4	833	0.14			**0.14**
Goncalo alves	*Astronium graveolens*	3x4	833	0.03			**0.03**
Total, reforested				**29.46**	**16.85**	**5.00**	**51.31**
Assisted natural regeneration							12.98
Protection area							6.32
Stream area							3.90
Artificial lake							0.27
Roads							0.59
Firebreaks, fences and other uses							0.03
Total area							**75.40**

Table 78. Land use of Farm No. 2001 – Filo del Tallo (ha). Source: Futuro Forestal land-use tables, 2026.

Species planted		Initial dist. (m)	Trees/ha	Planting year		Reforested area/species (ha)
Common name	Scientific name			2023	2025	
Pink trumpet tree	*Tabebuia rosea*	3x4	833	4.02	0.40	**4.42**
Rosewood and Bullywood	*Dalbergia retusa and Terminalia amazonia*	3x4	833	3.50		**3.50**
Spanish cedar	*Cedrela odorata*	3x4	833	2.08		**2.08**
Almendro	*Dipteryx oleifera*	3x4	833	1.65		**1.65**
Goncalo alves	*Astronium graveolens*	3x4	833	1.32		**1.32**
Pink lapacho	*Tabebuia impetiginosa*	3x4	833	1.24		**1.24**
Mahogany	*Swietenia macrophylla*	3x4	833	0.79		**0.79**
Canarywood	*Centrolobium yavizanum*	3x4	833	0.64		**0.64**
Total, reforested				**15.24**	**0.40**	**15.64**
Assisted natural regeneration						3.18
Artificial lake						0.08
Roads						0.29
Total area						**19.19**

Table 79. Land use of Farm No. 3754 – Filo del Tallo (ha). Source: Futuro Forestal land-use tables, 2026.

4. Silvicultural Activities Carried Out in 2025

The silvicultural activities carried out during the 2025 period cover both the maintenance of plantations established in previous years and the establishment of new plantations and the replanting of areas under recovery. The main tasks carried out are described below, grouped according to their nature.

4.1 Plantation maintenance

Maintenance tasks are carried out throughout the year according to the phenological state of the individuals, climatic conditions and the competitive pressure of accompanying vegetation. The activities carried out are described below:

Weed control: Removal of vegetation that competes with the planted trees for light, water and nutrients. It is carried out in different ways depending on the moment of the cycle: strip clearing, maintenance ring weeding and clearing between rows.

Maintenance ring weeding (treerondeo): Removal with a machete of competing vegetation within a radius of approximately one meter around the planted tree, allowing light to reach the individual and reducing humidity caused by competition.

Strip clearing between rows: Alternated with tree rondeo to optimize costs without compromising the release of the planted individuals.

Cutting of vines and lianas: Removal of climbing plants that wrap around the trees, preventing deformations and competition for light.

Fern control: At sites with a high presence of ferns, control is carried out with a machete, since these constitute aggressive and costly competition to manage for young trees.

Clearing: Cutting of branches of shrubs and vegetation that cast high shade over the planted trees, especially important for light-demanding species.

Release of trees: Removal of competition derived from natural regeneration over the planted individuals of value.

4.2 Silvicultural management

Silvicultural management activities seek to guide the development of the trees towards commercial forms and to reduce losses due to competition, pests or form defects.

Apex management: Applied mainly to Terminalia amazonia, a species that tends to form multiple apices. The secondary apex is selected and cut to favor the dominant apex and maintain the straightness of the stem.

Shoot removal (basal resprouts): Removal of resprouts at the base of the tree that compete with the main stem, especially in teak and species prone to developing suckers.

Teak pruning: Removal of low branches in Tectona grandis plantations to form a clean stem. It is carried out progressively as the commercial height advances.

High pruning: Removal of branches above 7 meters to obtain knot-free wood in the upper commercial sections.

Pruning of teak suckers: Removal of new shoots on the commercial stem while still tender, with the aim of maintaining wood quality.

Crown lifting: Removal of low branches on young trees to induce growth towards commercial height.

During 2025, pruning and crown-lifting tasks were carried out in plantations of Forestal Filo del Tallo S.A., with the aim of promoting growth in commercial height, improving stem quality and reducing the incidence of undesired branches.



Figure 3. Pruning work in a young plantation — Forestal Filo del Tallo S.A., March 28, 2025.



Figure 4. Operational staff carrying out pruning with height tools — FFT, March 29, 2025.



Figure 5. View of the plantation after the pruning work — FFT, March 29, 2025.



Figure 6. Maintenance pruning in a plantation — FFT, May 16, 2025.

4.3 Phytosanitary control

Phytosanitary control involves the surveillance and management of pests and diseases affecting the tropical forest plantations under management.

Pest and disease control: Permanent surveillance of pest populations and diseases, with emphasis on leafcutter ants (Atta sp.), Hypsipyla grandella in species of the Meliaceae family (Cedrela odorata and Swietenia macrophylla), gummosis in Terminalia amazonia and localized damage by beetles in Carapa guianensis.

Management of Hypsipyla grandella: Control is carried out manually by removing the affected apices with pruning shears, eliminating the larva and favoring healthy resprouting.

Control of leafcutter ants (Atta atta): Manual application of Mirex bait on the identified nests, complemented by continuous patrolling and an action plan to prevent the establishment of new nests.

As evidence of phytosanitary management in the units of Forestal Filo del Tallo S.A., leafcutter ant control activities (Atta spp.) were documented in young plantations, as well as supervision of the health status of the trees.



Figure 7. Evidence of leafcutter ant activity (Atta spp.) — FFT, Farm T069, Lot T924, June 13, 2025.



Figure 8. Application of bait for leafcutter ant control — FFT, Lot T924, June 13, 2025.



Figure 9. Supervision of the health status of a tree in a plantation — FFT, Farm 1427, Lot D71a23, June 13, 2025.

4.4 Establishment and replanting

Replacement (replanting): At the end of the dry season, the field technicians carry out a review of the plantations to estimate mortality and the percentage of replacement required. Effective replacement is carried out once the rainy season has begun, ensuring adequate moisture conditions for the establishment of the new individuals.

Manual hole opening: Excavation of the substrate to create a microenvironment of aerated, loose soil that facilitates the adaptation of the plant.

Establishment clearing: Task prior to hole digging, aimed at clearing weeds from the area where the hole will be opened.

Lime application: Application of calcareous compounds to regulate the pH of the site. It is carried out only when the soil pH is below 5, applied around the seedling.

Fertilization: Application of fertilizers according to the requirements of the site and the species, generally in the establishment phase and in selected subsequent maintenance operations.

During 2025, marking, staking and planting tasks were carried out in the operational units of Forestal Filo del Tallo S.A., as well as planting activities on various farms of Waldmenschen S.A., notably the work at

Finca Clamades and the Lastenia Unit. Likewise, assisted natural regeneration tasks were carried out to take advantage of the forest dynamics and complement the established plantations.



Figure 10. Staff carrying out marking and staking prior to planting — FFT, Farm 500, June 23, 2025.



Figure 11. Operational staff during a planting day — Finca Clamades, Waldmenschen S.A., August 8, 2025.



Figure 12. Progress of planting at Finca Clamades, Waldmenschen S.A., August 8, 2025.



Figure 13. Recently established seedling at Finca Clamades, Waldmenschen S.A., August 8, 2025.



Figure 14. Planting in the Lastenia Unit, Waldmenschen S.A., September 3, 2025.



Figure 15. Assisted natural regeneration area in the Lastenia Unit, Waldmenschen S.A., October 22, 2025.

4.5 Soil conservation and fire prevention

Soil conservation: Construction of physical barriers to reduce surface runoff and water erosion during rainfall events, especially at sites with slopes.

Firebreaks: Clearing of edges and perimeter strips approximately 8 meters wide, removing combustible material (leaves, dry branches) to prevent the spread of fires.

Surveillance: Permanent patrolling, particularly intensified during the dry season, for the early detection of fire outbreaks and suspicious movements in conflict areas.

Sweeping firebreaks: Periodic maintenance of the condition of the firebreaks, removing leaf litter and accumulated fuel.

Maintenance of perimeter fences: Repair of fences to prevent the entry of livestock into the planted areas.

As part of the preventive actions against forest fires, on February 12, 2025 a training day for staff was held at Farm Claritas 3 on the preparation of defense lines, the handling of firefighting tools and procedures for acting in the event of a fire.



Figure 16. Training on the use of chainsaws and equipment for defense lines — Farm Claritas 3, February 12, 2025.



Figure 17. Presentation of tools for combating forest fires — Farm Claritas 3, February 12, 2025.



Figure 18. Practical demonstration of the use of manual tools — Farm Claritas 3, February 12, 2025.



Figure 19. Practical exercise of preparing defense lines — Farm Claritas 3, February 12, 2025.

4.6 New technologies for early fire detection

Continuing along the line of forest fire management and control, during the 2025 period a new technology oriented to satellite monitoring and the early detection of heat sources was incorporated into the management of the properties of Waldmenschen S.A. and Forestal Filo del Tallo S.A.

A system of early detection based on a satellite monitoring platform called Satellites on Fire, which is currently in use and makes it possible to quickly and promptly identify possible risk hotspots, both within and in the vicinity of the properties under management. Thanks to the alerts that the platform sends to the mobile devices of the technical and operational team, it is possible to carry out immediate inspections, mobilize personnel and tools to the reported site and activate response protocols before a hotspot evolves into a larger-scale event.

Additionally, the platform incorporates artificial intelligence tools that make it possible to simulate the possible advance of a fire outbreak based on environmental and fuel variables. This functionality facilitates the mobilization of teams and the efficient assignment of personnel in each situation, optimizing response times and the effectiveness of containment work.



Figure 20. Screenshot of the mobile device with the application Satellites on Fire, used for the early detection of heat sources on the properties.

4.7 Training and certification

Technical training: During the period, training days were held for staff on silvicultural management topics, including pruning of Cocobolo and Almendro, planting techniques, control of Hypsipyla grandella, management of natural regeneration, fire control and first aid.

FSC training: Staff were given training related to the Forest Stewardship Council, covering topics such as what FSC certification is, the use and management of agrochemicals, personal protective equipment, first aid, protection of water sources and activities in forest nurseries, among others.

FSC Audit – August 2025

On August 19, 2025, an FSC audit was carried out in the operational units, including field verification of plantations, inspection of staff lodging facilities, dining areas and the chemical products warehouse. The audit confirmed compliance with the operational and worker welfare standards established by the Forest Stewardship Council (FSC).



Figure 21. Tour of the audit team in a plantation during the FSC audit, August 19, 2025.



Figure 22. Inspection of the dining area and rest facilities of the staff, FSC audit, August 19, 2025.



Figure 23. Inspection of staff lodging facilities (dormitories), FSC audit, August 19, 2025.



Figure 24. Inspection of the chemical products warehouse and safety signage, FSC audit, August 19, 2025.

FSC Training – March 2026

On March 19, 2026, a training day was held for the staff of the Colón Operational Unit, addressing the topics of Group Management, Personal Protective Equipment (PPE) and Administration. The activity included participatory sessions supported by flip charts and audiovisual material, ending with a group feedback session with the whole team.



Figure 25. Training session for field staff — Group Management, Colón Operational Unit, March 19, 2026.



Figure 26. Participatory dynamic with a flip chart: identification of silvicultural activities and team roles, March 19, 2026.



Figure 27. Training with audiovisual support on PPE and administrative procedures, March 19, 2026.



Figure 28. Team participating in the FSC training day, Colón Operational Unit, March 19, 2026.

5. Project Progress Status by Owner

Below is a general description of the status of the plantations at the close of the 2025 period, organized by owner. The detail by individual farm and by management unit will be incorporated once the monitoring cycle has been completed, including the dasometric data of the Permanent Monitoring Plots (PPM).

5.1 Waldmenschen S.A.

The properties of Waldmenschen S.A. distributed across the units of Claritas, Lastenia, Nicanor, Agua Fría, Metetí and Colón present a heterogeneous progress status depending on the year of establishment of the plantations, the species composition and the edaphoclimatic conditions of each site.

The oldest plantations, established between 2012 and 2017 in the Agua Fría unit (Finca La Reina), show consolidated development, with good stem quality in the teak individuals and adequate growth in native species, including managed natural regeneration of Tabebuia rosea, Cedrela odorata and Astronium graveolens.

The plantations established between 2020 and 2024 in the Claritas, Lastenia and Nicanor units are in an initial to intermediate growth phase. During 2025, the recovery plan for areas affected by fires and pests (mainly Hypsipyla grandella on Cedrela odorata) was continued, incorporating alternative species of high commercial value and rapid growth.

In the Colón unit, the farms Gatún 1 (planted with native species) and Gatún 2 (established in 2023) show growth in line with the adaptability characteristics of the species to the site. Species such as Dipteryx oleifera, Carapa guianensis, Terminalia amazonia, Tapirira guianensis and Calophyllum brasiliense maintain development in line with expectations. Finca Conexión, established in 2019 with native species, has progressed satisfactorily in its consolidation. During 2025, the activities in the Colón unit concentrated on strip clearing, vine cutting, clearing, apex management, pruning, fertilization (Gatún 2) and firebreaks, in addition to monitoring the conflict with squatters on some farms.



Figure 29. Teak plantation (Tectona grandis) at Finca La Ponderosa — Waldmenschen S.A., August 6, 2025.

5.2 Forestal Filo del Tallo S.A.

The Filo del Tallo operational unit, owned by Forestal Filo del Tallo S.A., comprises five farms located in the province of Darién, with a total polygon area of 272.16 hectares. The plantations of this unit were

established mainly during 2023, with complementary planting areas in 2024 and 2025, reaching a total planted area of 193.51 hectares.

During 2025, the maintenance tasks of the young plantations were carried out, including strip clearing, maintenance ring weeding, clearing, leafcutter ant control and maintenance of the plots Freiburg, experimental plantations destined for a long-term silvicultural research project. In areas adjacent to the plots Freiburg, as well as at sites with available space and affected areas, infill planting was carried out with selected species.

6. Monitoring and Permanent Monitoring Plots (PPM)

The Permanent Monitoring Plots (PPM) constitute the main tool for monitoring the dasometric growth and development of the forest plantations under the management of Waldmenschen S.A. and Forestal Filo del Tallo S.A. The PPM are established following criteria of representativeness by species, management unit and year of planting, and make it possible to obtain information on diameter at breast height (DBH), total height, mortality and indicators derived from growth, volume and biomass.

6.1 Monitoring results development 2025

The results dasometric data of the 2025 monitoring cycle will be incorporated in this section, including:

- Average DBH by species and year of planting.
- Average height by species and year of planting.
- Mean annual increment (MAI) and current annual growth.
- Mortality and survival percentage by site.
- Comparison with the results of the previous monitoring cycle.
- Estimated standing commercial volume.

Claritas

- *Claritas 1*

Claritas 1 - *Tectona grandis* - 2021

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Claritas 1	Teak	*Tectona grandis*	2021	2023	*Apr-23*	2023	1.7	3.46	3.30	N/A	2.02	1.93
Claritas 1	Teak	*Tectona grandis*	2021	2024	*Apr-24*	2024	2.7	5.88	6.97	N/A	2.19	2.60
Claritas 1	Teak	*Tectona grandis*	2021	2025	*Feb-25*	2025	3.5	12.93	10.41	3.47	3.67	2.96

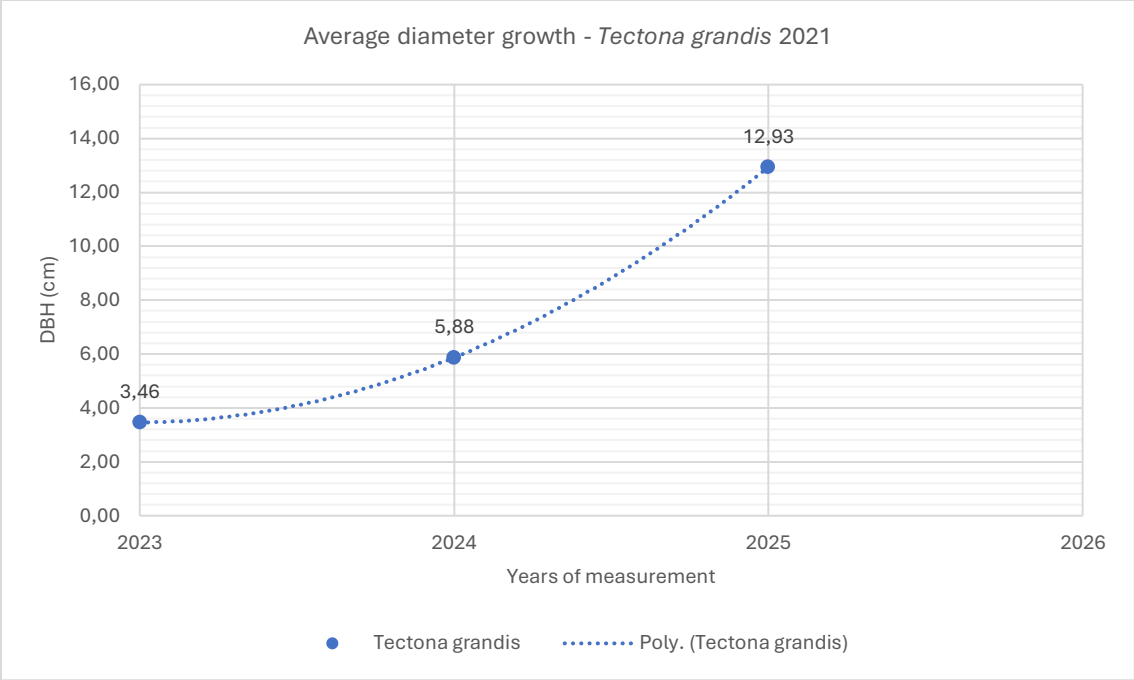


Chart 1. Average diameter growth of Teak 2021, Clarita 1.

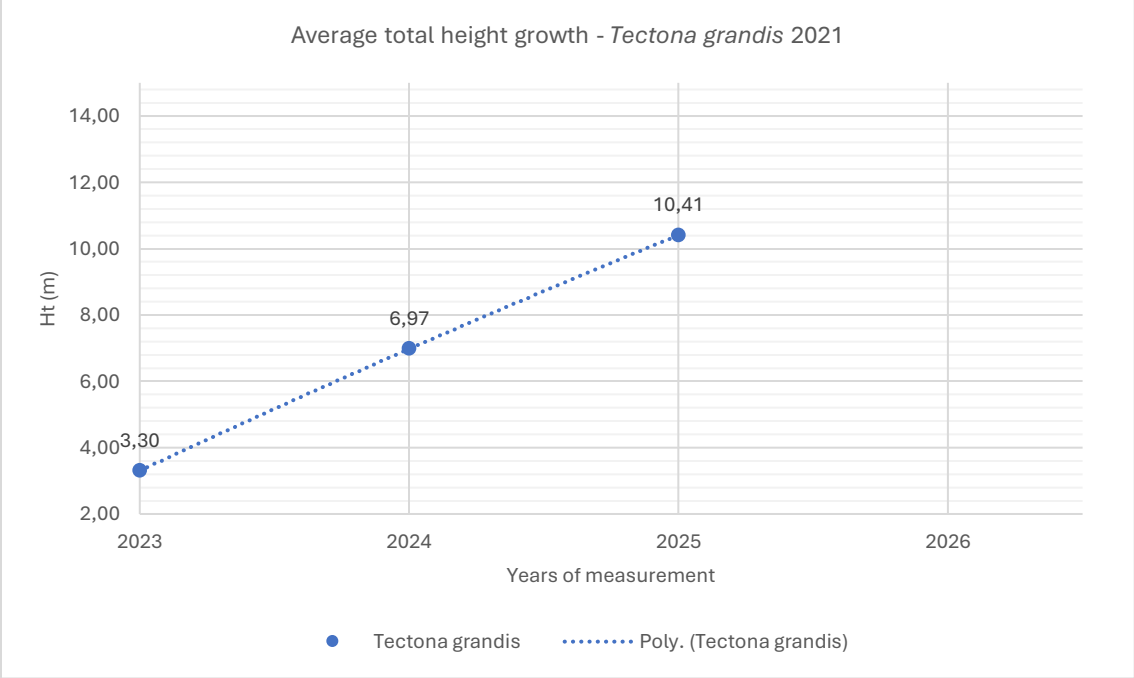


Chart 2. Average total height growth of Teak 2021, Clarita 1.

Claritas 1 - *Astronium graveolens* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 1	Ron ron	*Astronium graveolens*	2021	2023	*Apr-23*	2023	1.7	NA	1.05	N/A	NA	0.62
Claritas 1	Ron ron	*Astronium graveolens*	2021	2024	*May-24*	2024	2.8	2.00	2.40	N/A	0.71	0.86
Claritas 1	Ron ron	*Astronium graveolens*	2021	2025	*Feb-25*	2025	3.5	3.19	2.87	N/A	0.91	0.82

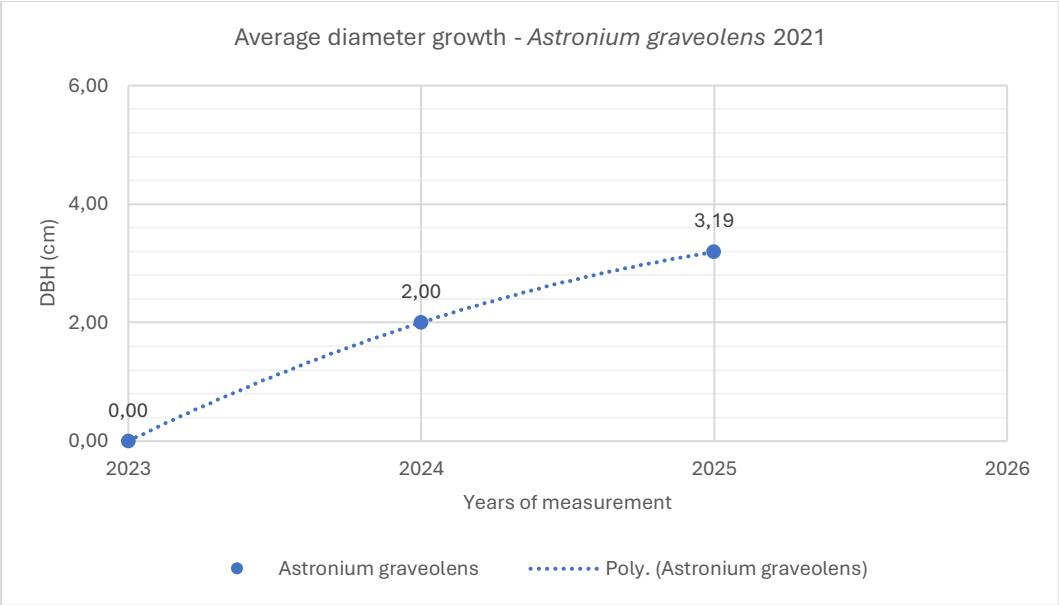


Chart 3. Average diameter growth of Ron ron 2021, Clarita 1.

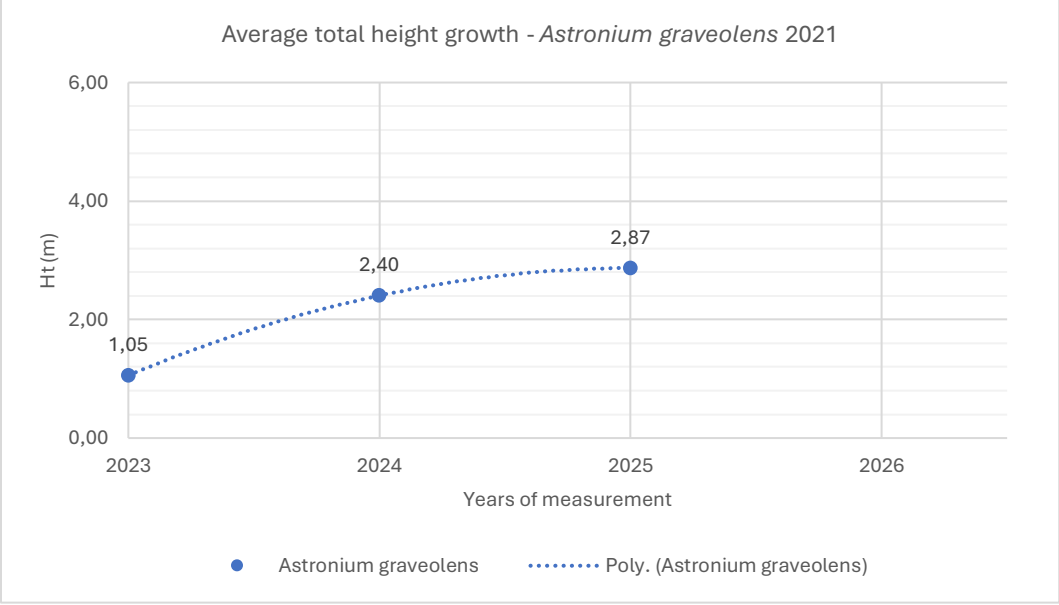


Chart 4. Average total height growth of Ron ron 2021, Clarita 1.

Claritas 1 - *Cedrela odorata* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 1	Spanish cedar	*Cedrela odorata*	2021	2023	*Apr-23*	2023	1.7	NA	0.71	N/A	NA	0.41
Claritas 1	Spanish cedar	*Cedrela odorata*	2021	2024	*Jun-24*	2024	2.9	NA	0.90	N/A	NA	0.32
Claritas 1	Spanish cedar	*Cedrela odorata*	2021	2025	*Feb-25*	2025	3.5	2.18	1.78	N/A	0.62	0.50

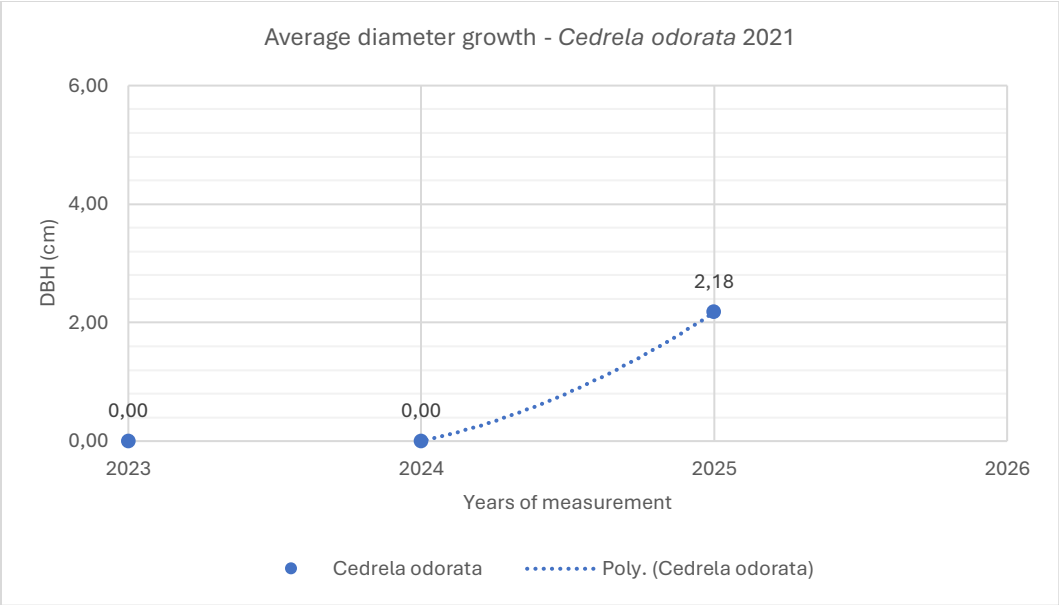


Chart 5.Average diameter growth of Spanish cedar 2021, Clarita 1.

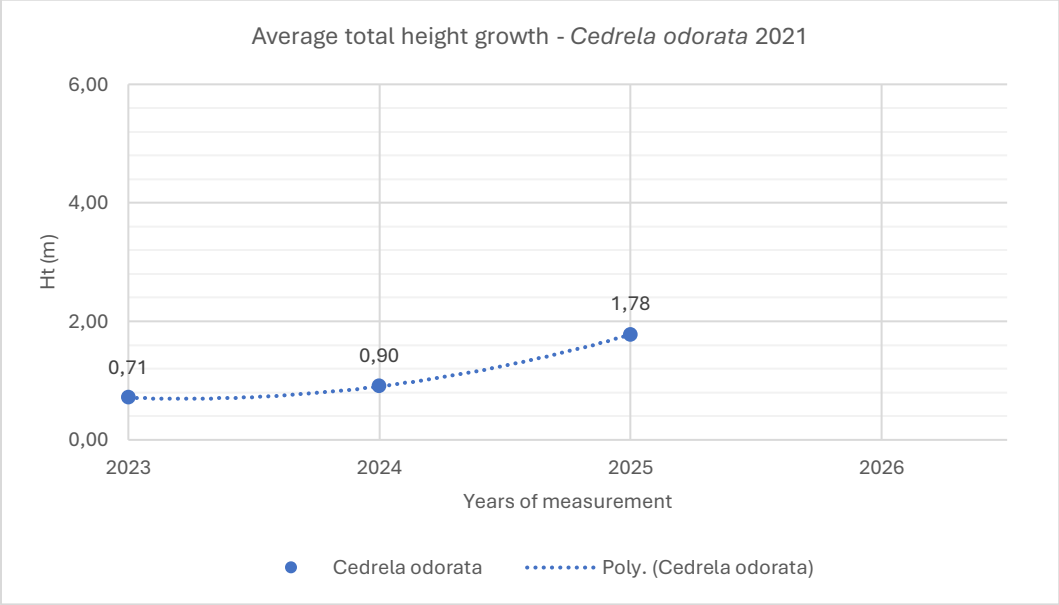


Chart 6. Average total height growth of Spanish cedar 2021, Clarita 1.

Claritas 1 - *Dalbergia retusa* - 2021											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Claritas 1	Cocobolo	*Dalbergia retusa*	2021	2023	*Apr-23*	2023	1.7	2.71	3.41	1.58	1.99
Claritas 1	Cocobolo	*Dalbergia retusa*	2021	2024	*May-24*	2024	2.8	4.79	4.25	1.71	1.52
Claritas 1	Cocobolo	*Dalbergia retusa*	2021	2025	*Feb-25*	2025	3.5	6.16	5.10	1.75	1.45

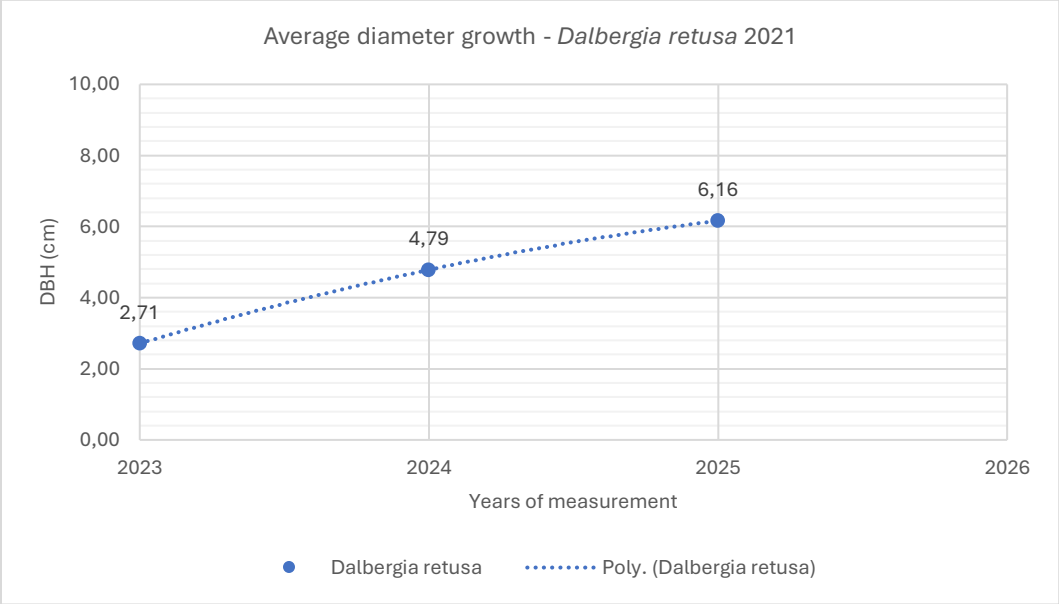


Chart 7. Average diameter growth of Cocobolo 2021, Clarita 1.

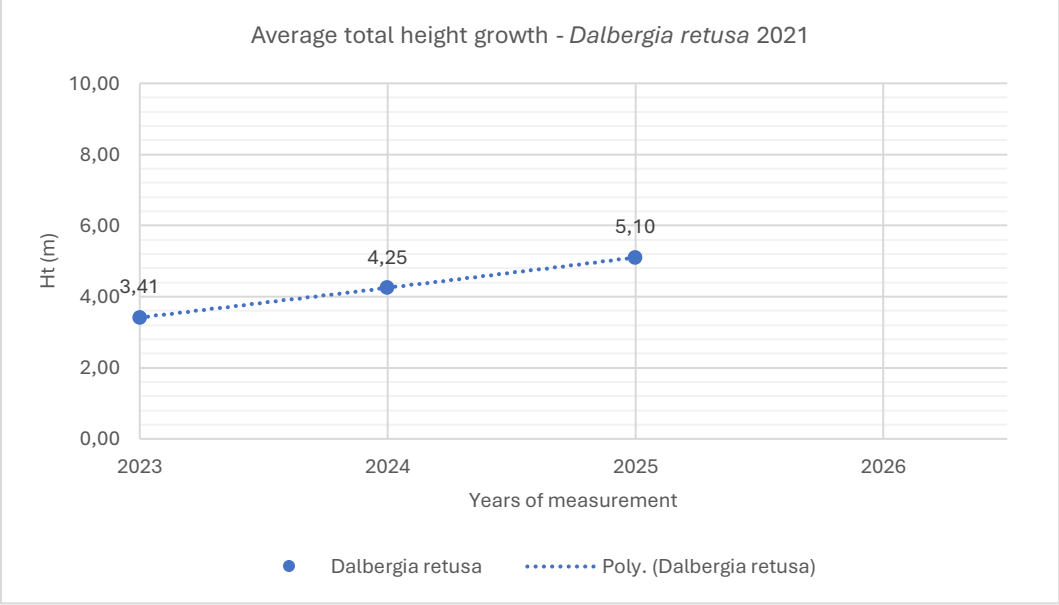


Chart 8. Average total height growth of Cocobolo 2021, Clarita 1.

Claritas 1 - *Tabebuia impetiginosa* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 1	Guayacán morado	*Tabebuia impetiginosa*	2021	2023	*Apr-23*	2023	1.7	1.51	2.00	N/A	0.88	1.17
Claritas 1	Guayacán morado	*Tabebuia impetiginosa*	2021	2024	*Jun-24*	2024	2.9	2.16	2.59	N/A	0.75	0.90
Claritas 1	Guayacán morado	*Tabebuia impetiginosa*	2021	2025	*May-25*	2025	3.8	2.31	2.68	N/A	0.61	0.71

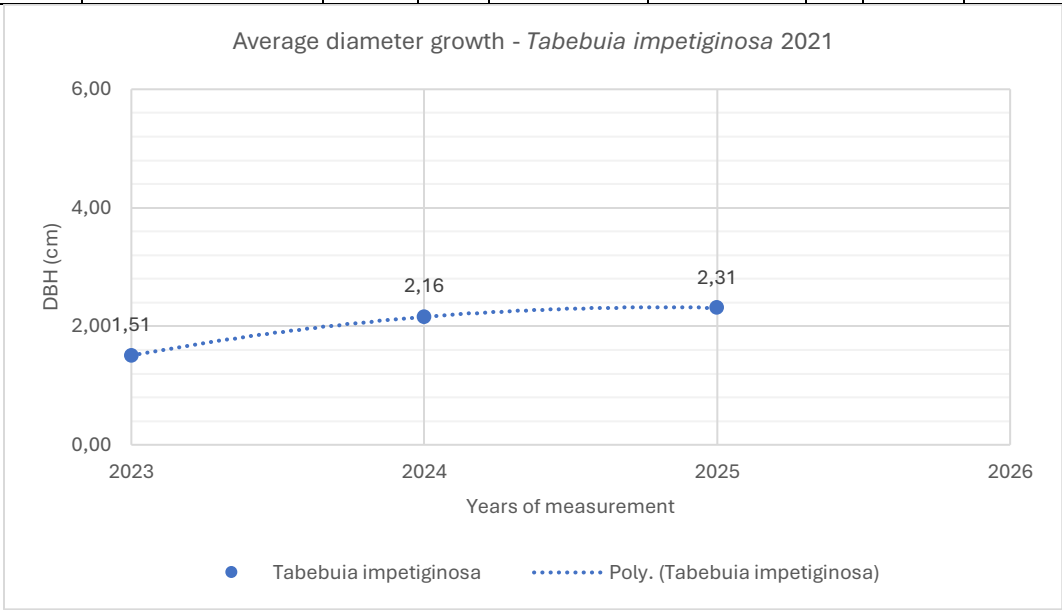


Chart 9. Average diameter growth of Guayacán morado 2021, Clarita 1.

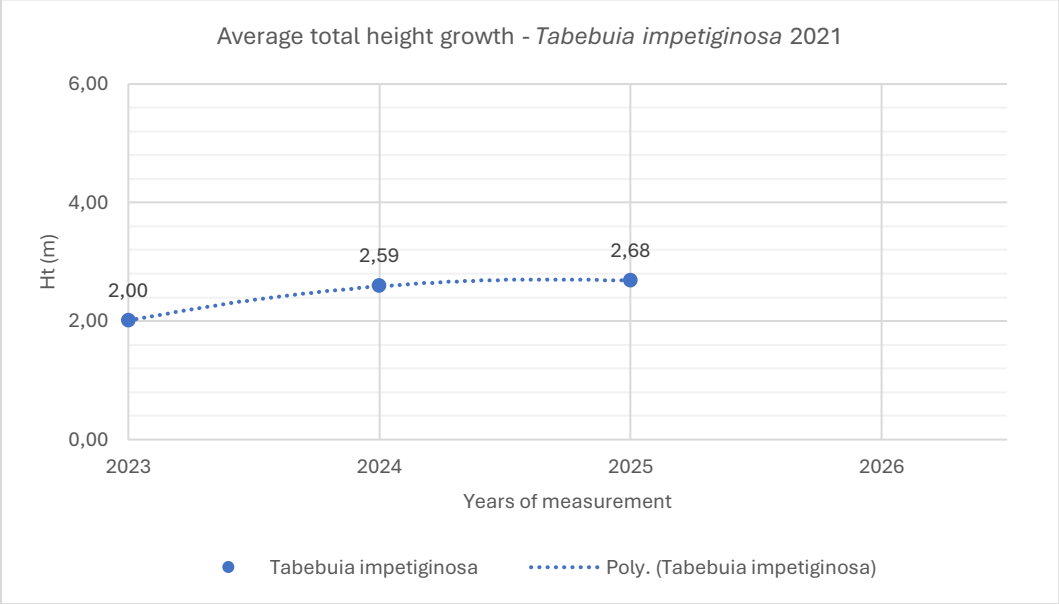
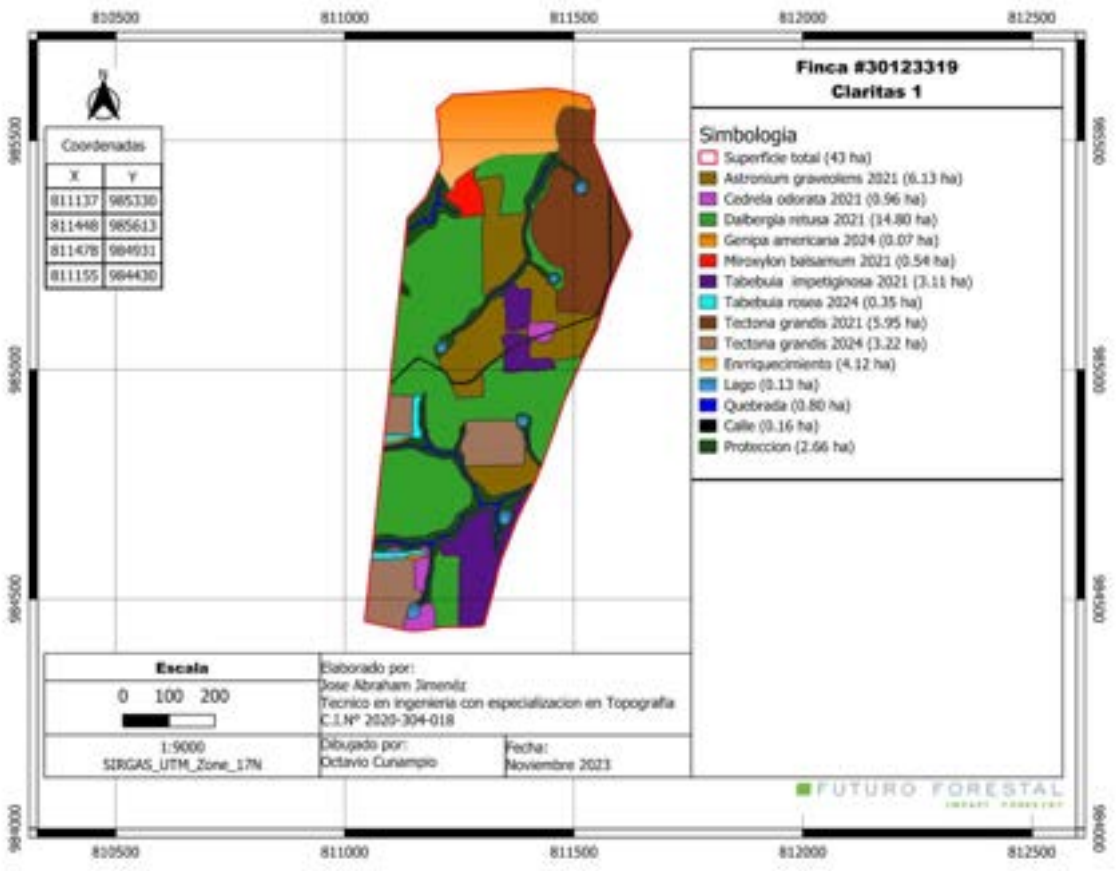


Chart 10. Average total height growth of Guayacán morado 2021, Clarita 1.



Map 1. Claritas 1 — Farm 30123319.

- *Claritas 2*

Claritas 2 - *Cedrela odorata* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 2	Spanish cedar	*Cedrela odorata*	2021	2023	*Apr-23*	2023	1.7	NA	0.52	N/A	NA	0.30
Claritas 2	Spanish cedar	*Cedrela odorata*	2021	2024	*Mar-24*	2024	2.6	1.63	1.51	N/A	0.62	0.57
Claritas 2	Spanish cedar	*Cedrela odorata*	2021	2025	*Feb-25*	2025	3.5	1.70	1.60	N/A	0.48	0.45

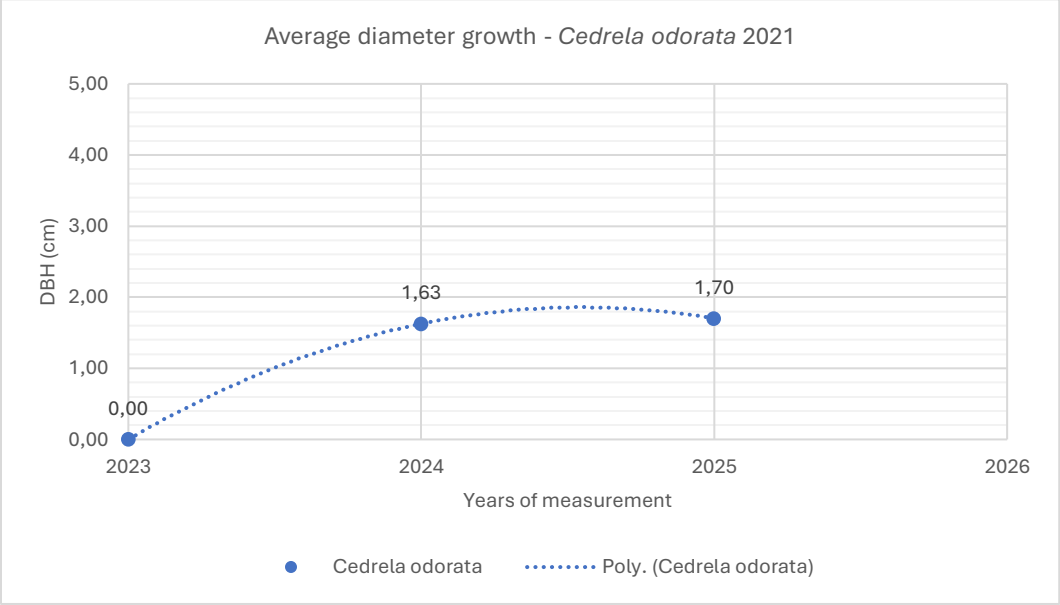


Chart 11. Average diameter growth of Spanish cedar 2021, Clarita 2.

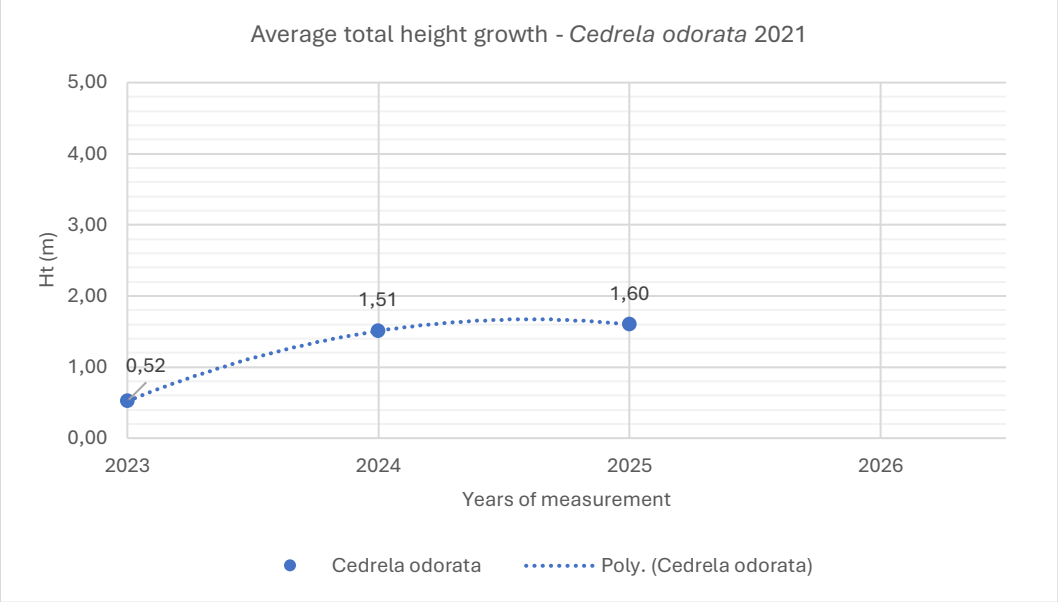


Chart 12. Average total height growth of Spanish cedar 2021, Clarita 2.

Claritas 2 - *Dalbergia retusa* - 2021											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Claritas 2	Cocobolo	*Dalbergia retusa*	2021	2023	*Apr-23*	2023	1.7	1.55	2.43	0.90	1.42
Claritas 2	Cocobolo	*Dalbergia retusa*	2021	2024	*Jun-24*	2024	2.9	2.83	3.34	0.99	1.17
Claritas 2	Cocobolo	*Dalbergia retusa*	2021	2025	*Feb-25*	2025	3.5	3.61	3.67	1.02	1.04

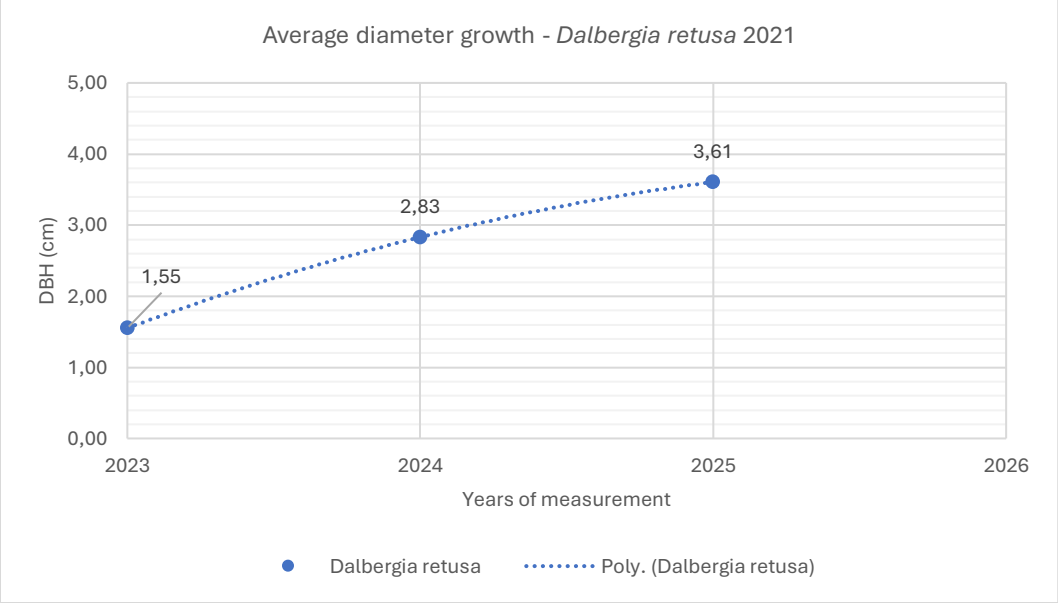


Chart 13. Average diameter growth of Cocobolo 2021, Clarita 2.

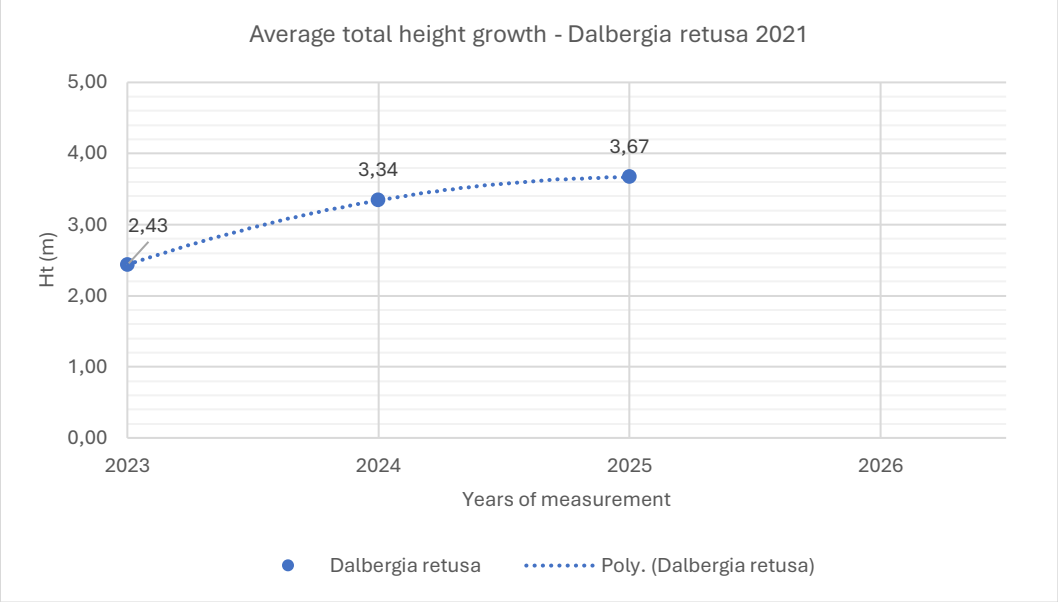


Chart 14. Average total height growth of Cocobolo 2021, Clarita 2.

Claritas 2 - *Platymiscium pinnatum* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 2	Quira	*Platymiscium pinnatum*	2021	2023	*Apr-23*	2023	1.7	1.10	1.78	N/A	0.64	1.04
Claritas 2	Quira	*Platymiscium pinnatum*	2021	2024	*Mar-24*	2024	2.6	1.65	2.38	N/A	0.63	0.91
Claritas 2	Quira	*Platymiscium pinnatum*	2021	2025	*Feb-25*	2025	3.5	2.55	3.12	N/A	0.73	0.89

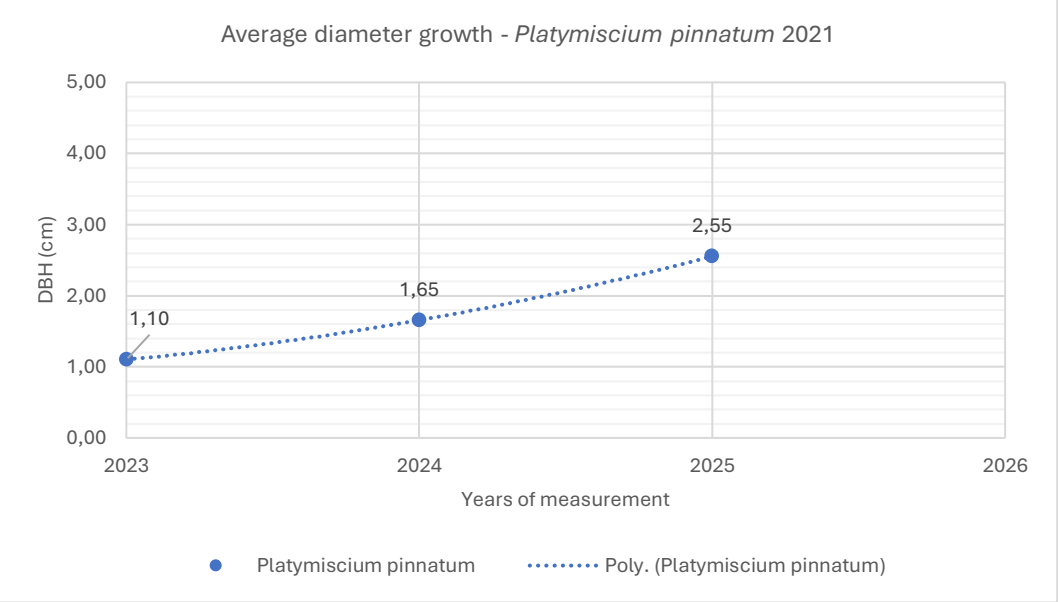


Chart 15. Average diameter growth of Quira 2021, Clarita 2.

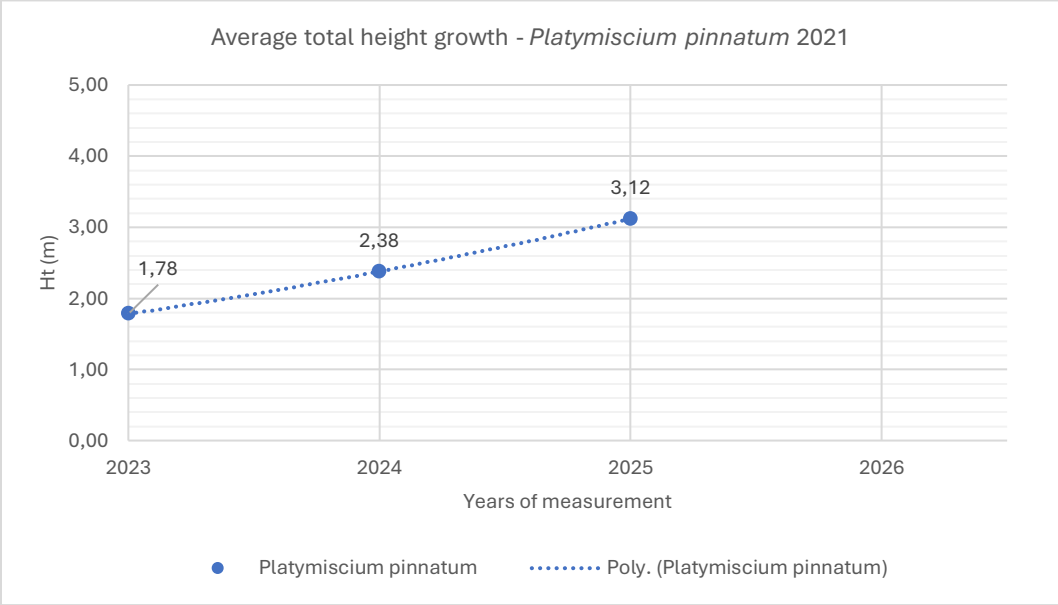


Chart 16. Average total height growth of Quira 2021, Clarita 2.

Claritas 2 - *Tabebuia impetiginosa* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 2	Guayacán morado	*Tabebuia impetiginosa*	2021	2023	*Apr-23*	2023	1.7	NA	0.35	N/A	NA	0.20
Claritas 2	Guayacán morado	*Tabebuia impetiginosa*	2021	2024	*Jun-24*	2024	2.9	1.66	2.19	N/A	0.58	0.76
Claritas 2	Guayacán morado	*Tabebuia impetiginosa*	2021	2025	*Feb-25*	2025	3.5	1.92	2.59	N/A	0.55	0.73

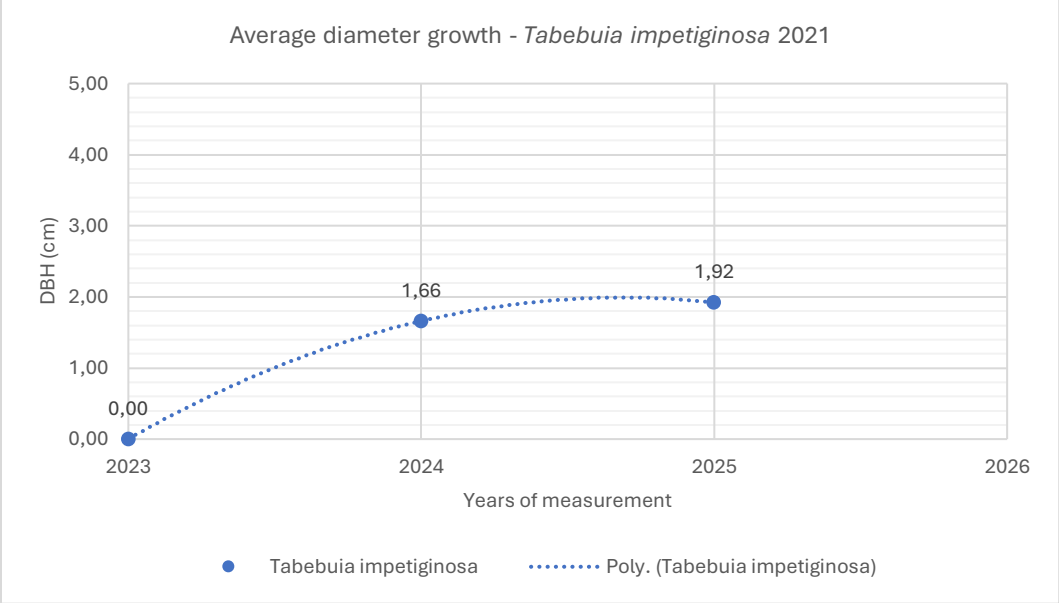


Chart 17. Average diameter growth of Guayacán morado 2021, Clarita 2.

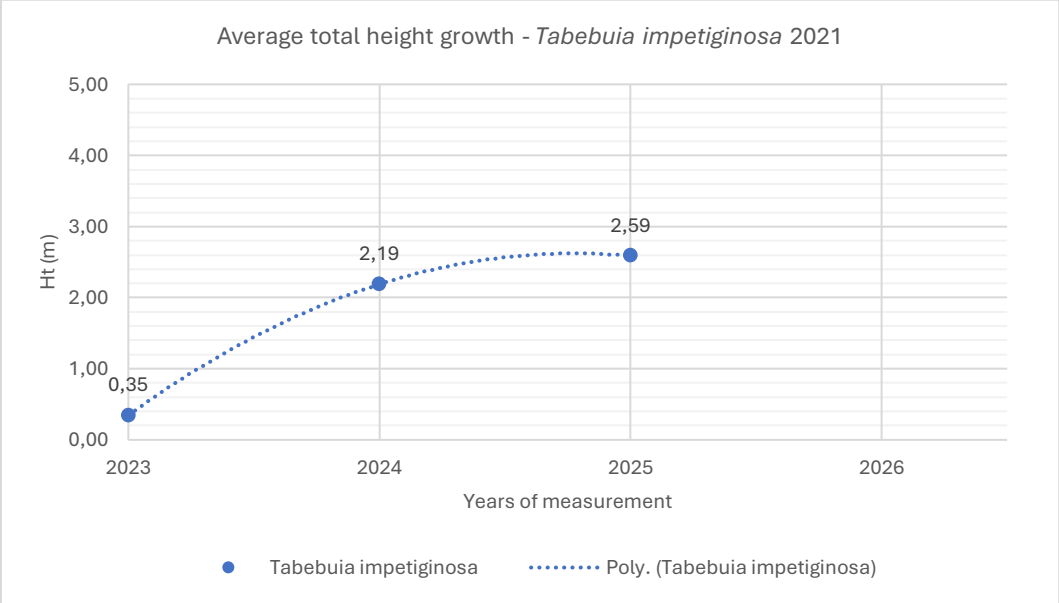


Chart 18. Average total height growth of Guayacán morado 2021, Clarita 2.

Claritas 2 - *Tabebuia rosea* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Claritas 2	Roble	*Tabebuia rosea*	2021	2023	*Apr-23*	2023	1.7	1.74	1.65	N/A	1.01	0.96
Claritas 2	Roble	*Tabebuia rosea*	2021	2024	*Mar-24*	2024	2.6	2.96	2.49	N/A	1.13	0.95
Claritas 2	Roble	*Tabebuia rosea*	2021	2025	*Feb-25*	2025	3.5	3.16	2.73	N/A	0.90	0.78

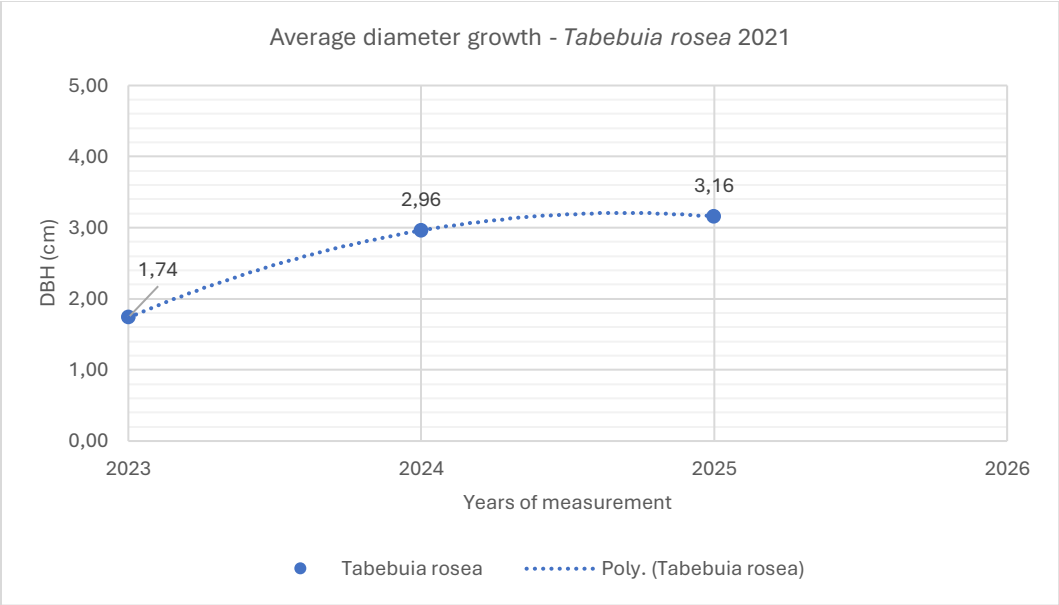


Chart 19. Average diameter growth of Roble 2021, Clarita 2.

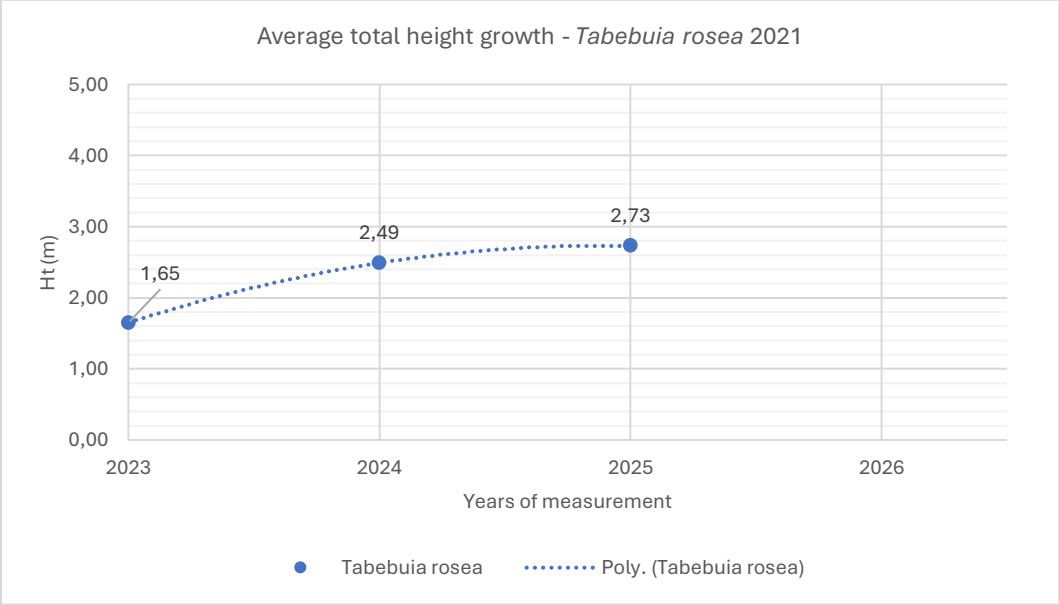
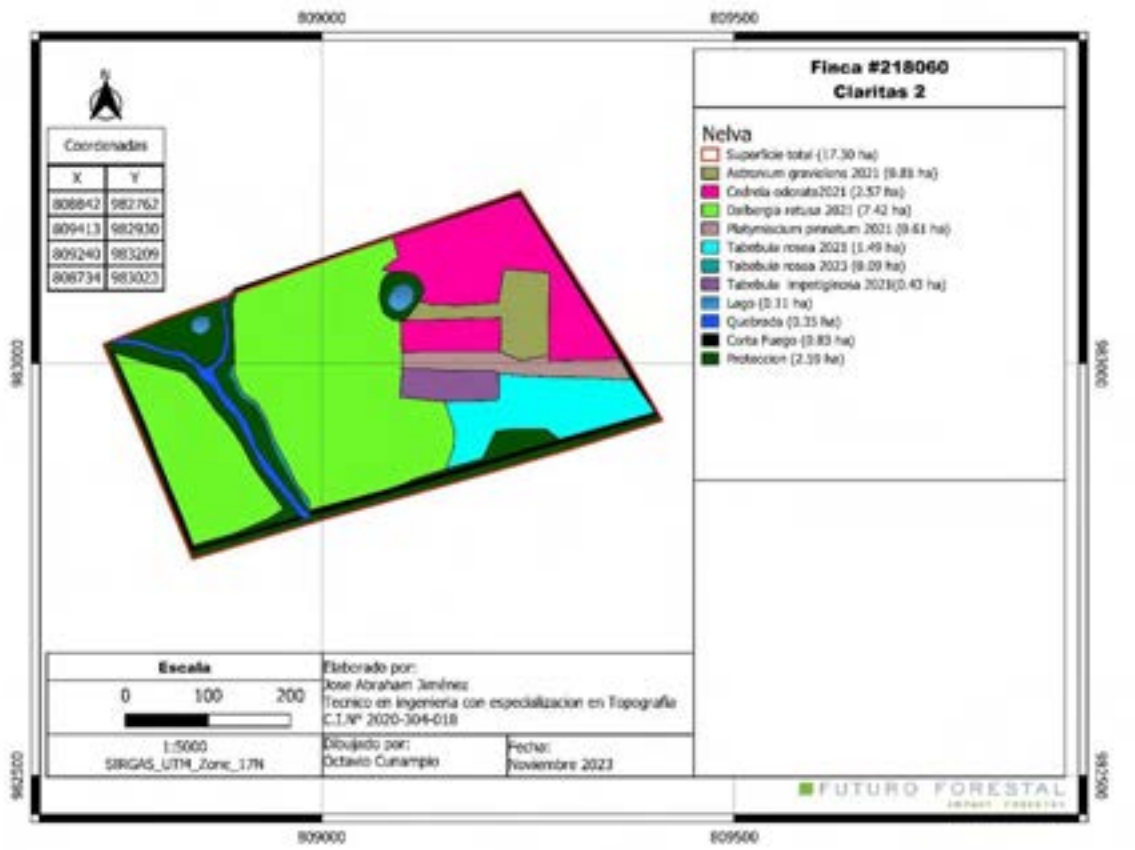


Chart 20. Average total height growth of Roble 2021, Clarita 2.



Map 2. Claritas 2 — Farm 218060.

- *Claritas 3*

Claritas 3 - *Dalbergia retusa* - 2021											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Claritas 3	Cocobolo	*Dalbergia retusa*	2021	2023	*Apr-23*	2023	1.7	NA	0.41	NA	0.24
Claritas 3	Cocobolo	*Dalbergia retusa*	2021	2024	*Mar-24*	2024	2.6	1.40	2.63	0.53	1.00
Claritas 3	Cocobolo	*Dalbergia retusa*	2021	2025	*Mar-25*	2025	3.6	2.24	2.96	0.62	0.81

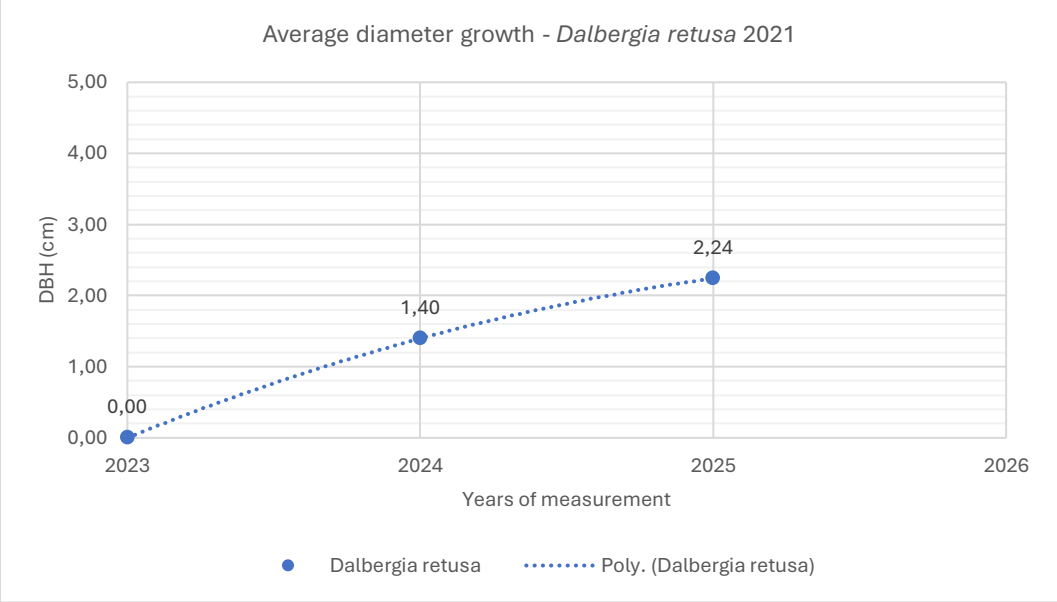


Chart 21. Average diameter growth of Cocobolo 2021, Clarita 3.

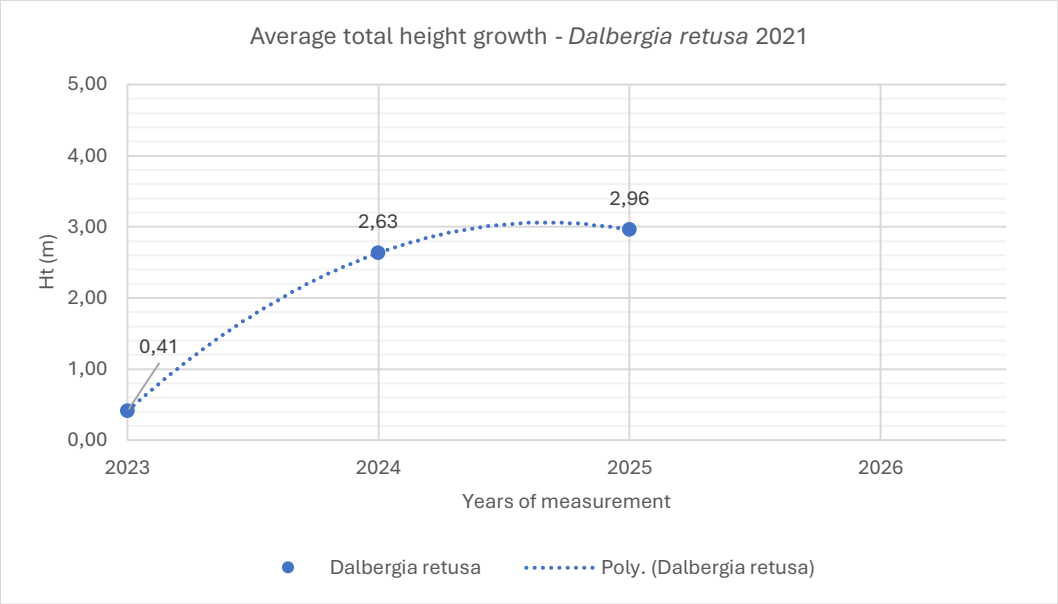
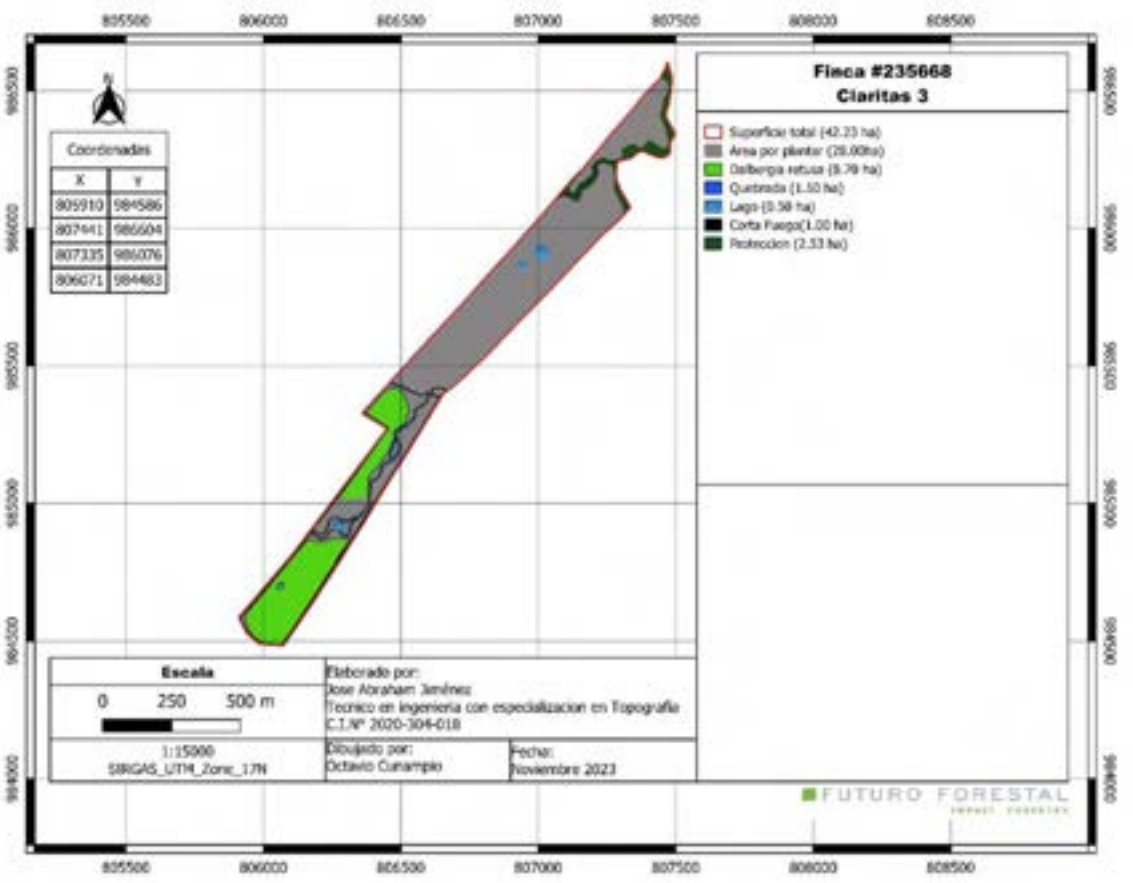


Chart 22. Average diameter growth of Cocobolo 2021, Clarita 3.



Map 3. Claritas 3 — Farm 235668.

- *Clamades*

Clamades - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Teak	*Tectona grandis*	2022	2025	*Mar-25*	2025	2.6	11.8	10.6	5.8	4.51	4.08

Clamades - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Spanish cedar	*Cedrela odorata*	2022	2025	*Mar-25*	2025	2.6	NA	0.6	N/A	N	0.22

Clamades - *Cedrela odorata* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Spanish cedar	*Cedrela odorata*	2023	2025	*Apr-25*	2025	1.7	1.9	1.2	N/A	1.12	0.74

Clamades - *Centrolobium yavizanum* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Amarillo guayaquil	*Centrolobium yavizanum*	2023	2025	*Apr-25*	2025	1.7	4.6	3.4	N/A	2.72	2.02

Clamades - *Dalbergia retusa* - 2022											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Clamades	Cocobolo	*Dalbergia retusa*	2022	2025	*Mar-25*	2025	2.6	4.9	4.3	1.86	1.63

Clamades - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Almendro	*Dipteryx oleifera*	2022	2025	*Mar-25*	2025	2.6	3.2	3.3	N/A	1.24	1.25

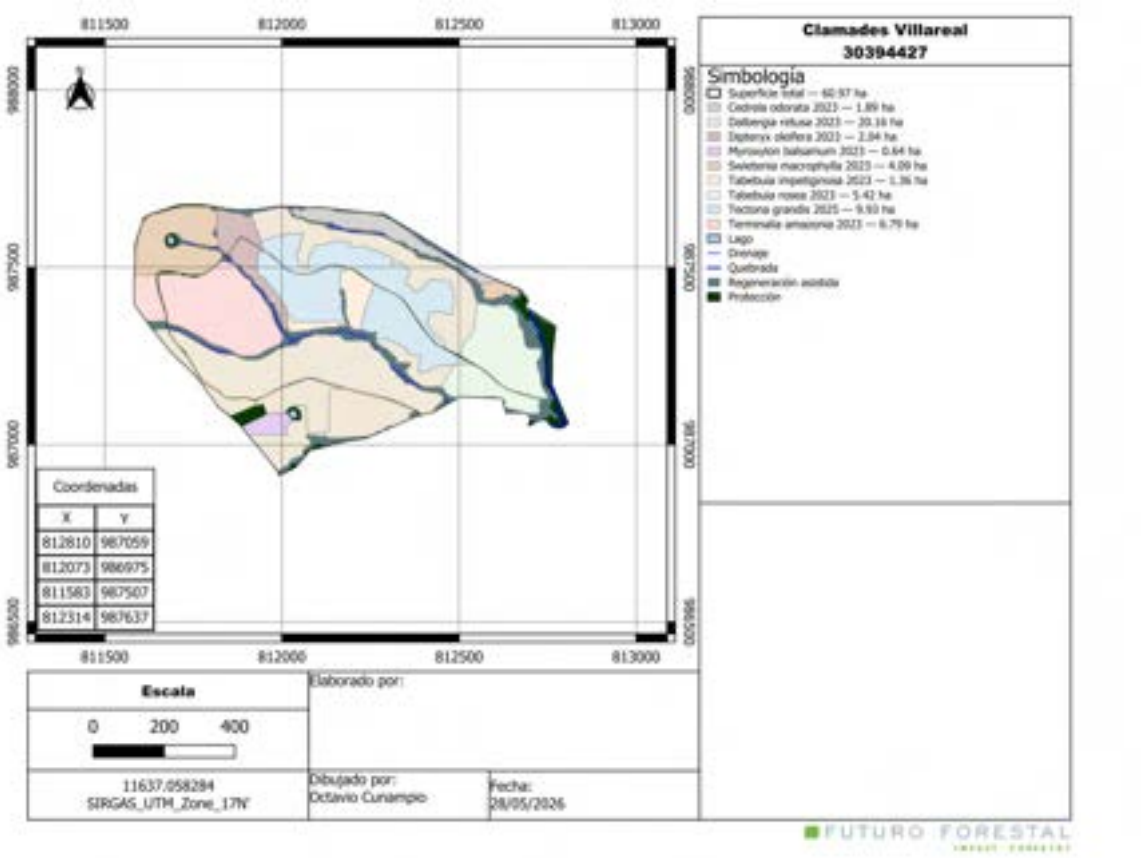
Clamades - *Dipteryx oleifera* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Almendro	*Dipteryx oleifera*	2023	2025	*Jan-25*	2025	1.5	1.4	1.1	N/A	0.97	0.74

Clamades - *Myroxylon balsamum* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Balsam	*Myroxylon balsamum*	2023	2025	*Jun-25*	2025	1.9	1.2	1.0	N/A	0.65	0.52

Clamades - *Swietenia macrophylla* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Mahogany	*Swietenia macrophylla*	2023	2025	*Jun-25*	2025	1.9	2.4	2.3	N/A	1.30	1.26

Clamades - *Tabebuia rosea* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Mahogany	*Tabebuia rosea*	2022	2025	*Mar-25*	2025	2.6	2.2	1.1	N/A	0.85	0.42

Clamades - *Tabebuia rosea* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Clamades	Mahogany	*Tabebuia rosea*	2023	2025	*Mar-25*	2025	1.6	3.1	2.1	N/A	1.89	1.28



Map 4. Clamades.

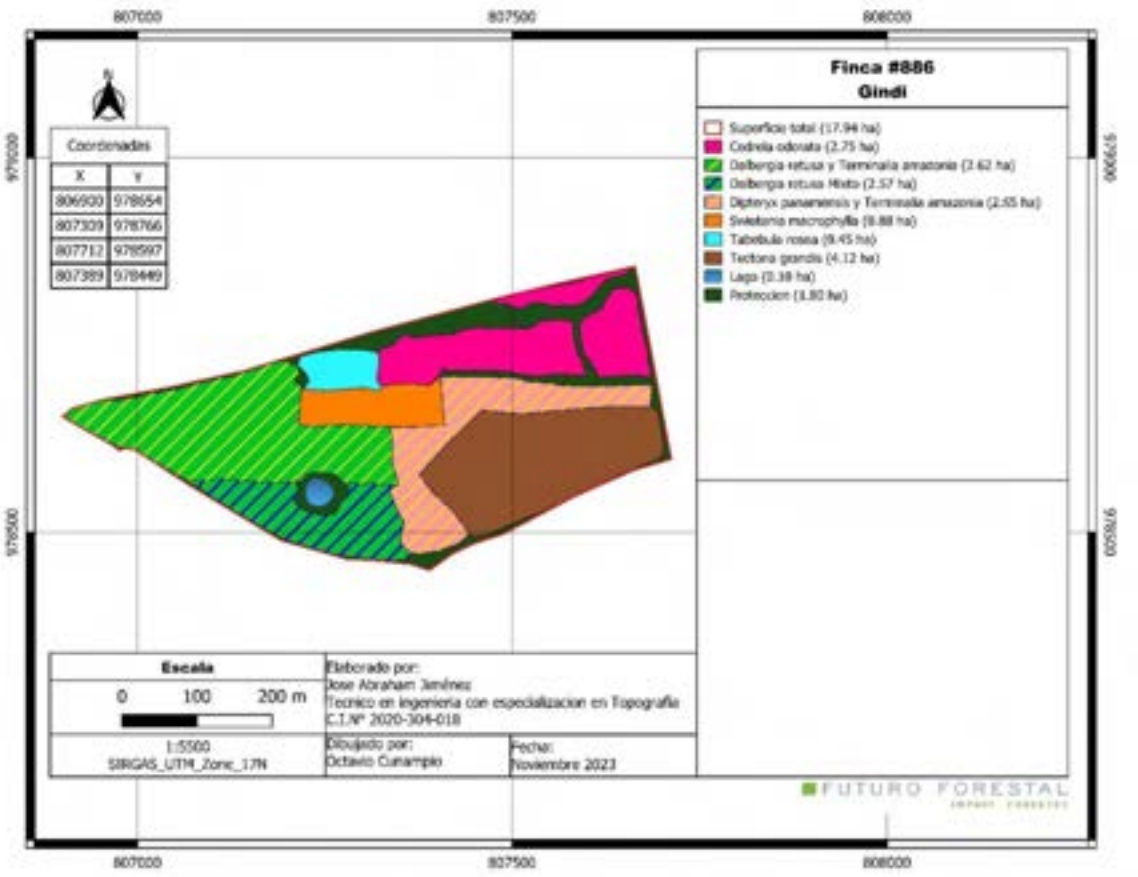
- *Gindi Trujillo*

Gindi Trujillo - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Gindi Trujillo	Spanish cedar	*Cedrela odorata*	2022	2024	*Jun-24*	2024	1.9	NA	0.6	N/A	N/A	0.34
Gindi Trujillo	Spanish cedar	*Cedrela odorata*	2022	2025	*Jan-25*	2025	2.5	2.2	1.2	N/A	0.90	0.50

Gindi Trujillo - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Gindi Trujillo	Almendro de montaña	*Dipteryx oleifera*	2022	2024	*Jun-24*	2024	1.9	1.5	0.6	N/A	0.77	0.30
Gindi Trujillo	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Jan-25*	2025	2.5	2.3	1.5	N/A	0.93	0.63

Gindi Trujillo - *Swietenia macrophylla* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Gindi Trujillo	Mahogany	*Swietenia macrophylla*	2022	2024	*Jun-24*	2024	1.9	1.5	1.1	N/A	0.78	0.59
Gindi Trujillo	Mahogany	*Swietenia macrophylla*	2022	2025	*Jan-25*	2025	2.5	2.1	1.5	N/A	0.87	0.59

Gindi Trujillo - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Gindi Trujillo	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	5.4	4.3	2.2	2.88	2.26
Gindi Trujillo	Teak	*Tectona grandis*	2022	2025	*Jan-25*	2025	2.4	9.9	6.6	2.2	4.06	2.74



Map 5. Gindi Trujillo — Farm 886.

- *Geronima Castro*

Geronima Castro - *Dalbergia retusa* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Geronima Castro	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.9	2.4	2.4	N/A	1.28	1.28
Geronima Castro	Cocobolo	*Dalbergia retusa*	2022	2025	*Mar-25*	2025	2.6	3.2	3.6	N/A	1.22	1.37

Geronima Castro - *Terminalia amazonia* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Geronima Castro	Amarillo	*Terminalia amazonia*	2022	2024	*Jun-24*	2024	1.9	NA	0.7	N/A		0.35
Geronima Castro	Amarillo	*Terminalia amazonia*	2022	2025	*Mar-25*	2025	2.6	1.4	2.4	N/A	0.53	0.92

- *Genarino Peralta*

Genarino Peralta - *Dalbergia retusa* - 2022											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Genarino Peralta	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.9	2.6	2.9	1.4	1.55
Genarino Peralta	Cocobolo	*Dalbergia retusa*	2022	2025	*Mar-25*	2025	2.6	3.7	3.8	1.4	1.43

Genarino Peralta - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Genarino Peralta	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	3.2	3.2	1.8	1.72	1.70
Genarino Peralta	Teak	*Tectona grandis*	2022	2025	*Mar-25*	2025	2.6	8.4	6.6	3.0	3.20	2.52

Genarino Peralta - *Terminalia amazonia* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Genarino Peralta	Amarillo	*Terminalia amazonia*	2022	2024	*Jun-24*	2024	1.9	NA	0.8	N/A	NA	0.44
Genarino Peralta	Amarillo	*Terminalia amazonia*	2022	2025	*Mar-25*	2025	2.6	1.5	2.5	N/A	0.58	0.95



Map 6. Genarino Peralta.

- *La Esperanza*

La Esperanza - *Cedrela odorata* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Esperanza	Spanish cedar	*Cedrela odorata*	2021	2025	*Feb-25*	2025	3.5	2.0	1.2	N/A	0.56	0.34

La Esperanza - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Esperanza	Spanish cedar	*Cedrela odorata*	2022	2025	*Feb-25*	2025	2.5	3.6	2.9	3.2	1.44	1.16

La Esperanza - *Dalbergia retusa* - 2021

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Cocobolo	*Dalbergia retusa*	2021	2025	*Feb-25*	2025	3.5	5.5	4.9	5.2	1.54	1.39

La Esperanza - *Dalbergia retusa* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	MAI DBH	MAI Ht
La Esperanza	Cocobolo	*Dalbergia retusa*	2022	2025	*Feb-25*	2025	2.5	4.8	4.2	1.90	1.68

La Esperanza - *Dalbergia retusa* - 2023

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Cocobolo	*Dalbergia retusa*	2023	2025	*Apr-25*	2025	1.7	2.0	2.3	N/A	1.20	1.34

La Esperanza - *Dipteryx oleifera* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Feb-25*	2025	2.5	2.0	2.0	N/A	0.80	0.78

La Esperanza - *Prioria copaifera* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Cativo	*Prioria copaifera*	2022	2025	*Feb-25*	2025	2.5	1.4	1.2	N/A	0.55	0.46

La Esperanza - *Tabebuia impetiginosa* - 2022

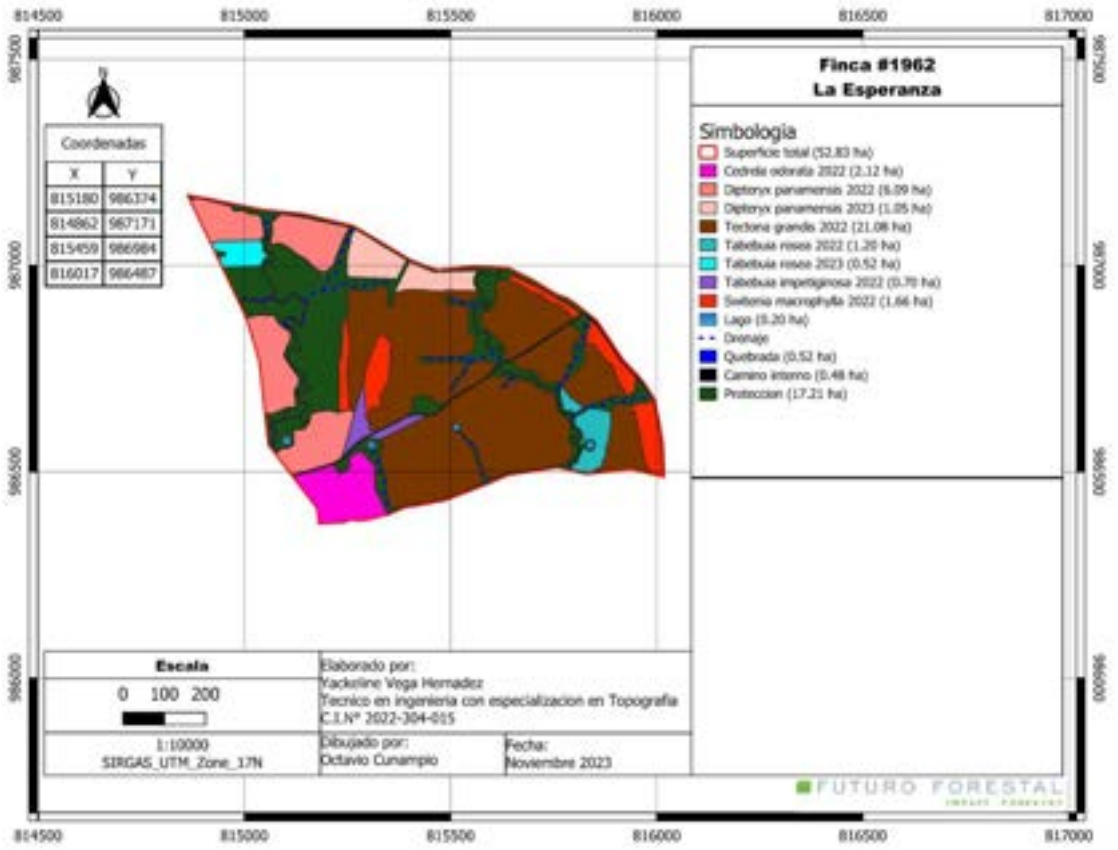
Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Guayacán morado	*Tabebuia impetiginosa*	2022	2025	*Jun-25*	2025	2.9	2.9	2.6	N/A	1.01	0.92

La Esperanza - *Swietenia macrophylla* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Mahogany	*Swietenia macrophylla*	2022	2025	*Feb-25*	2025	2.5	2.3	1.8	N/A	0.89	0.70

La Esperanza - *Tectona grandis* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
La Esperanza	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	7.1	5.9	2.7	3.81	3.20
La Esperanza	Teak	*Tectona grandis*	2022	2025	*Mar-25*	2025	2.6	11.6	9.4	3.3	4.51	3.62



Map 7. La Esperanza — Farm 1962.

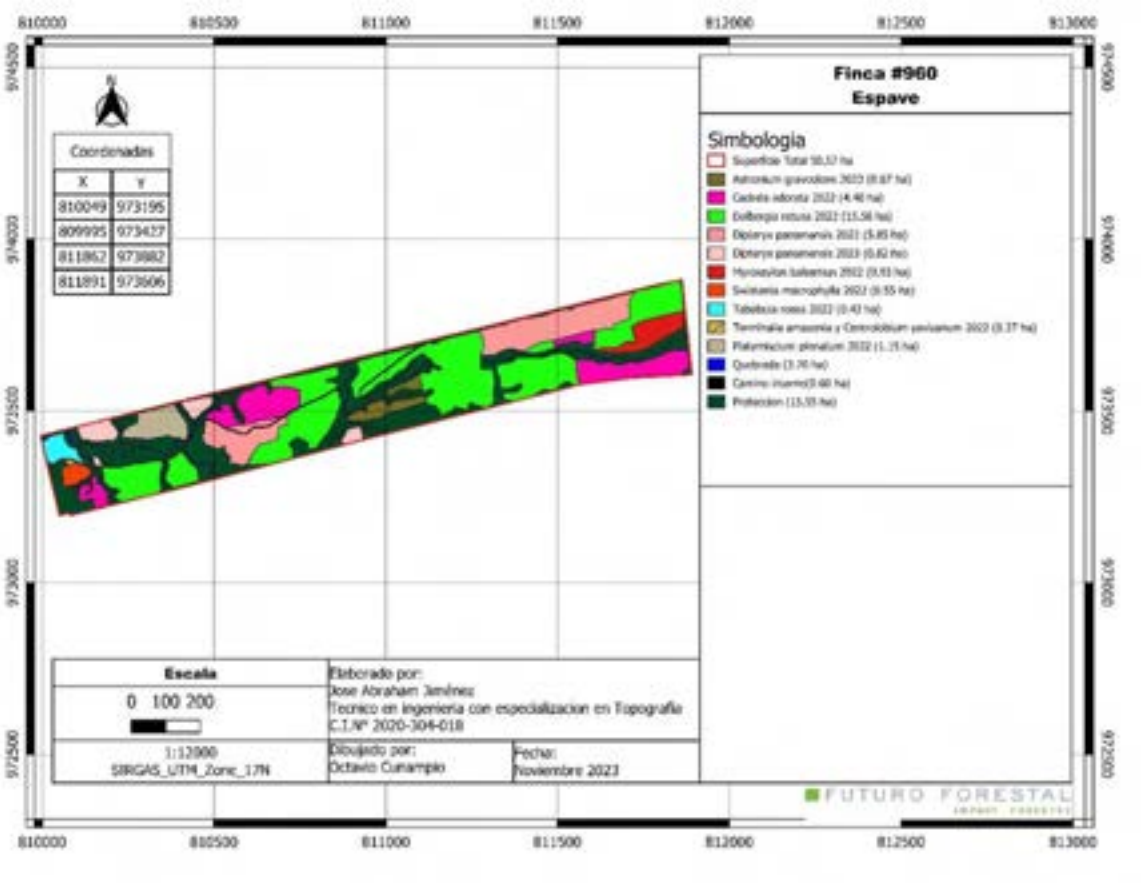
- *Espavé*

Espave - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Espavé	Spanish cedar	*Cedrela odorata*	2022	2024	*Jun-24*	2024	1.9	2.0	1.5	N/A	1.07	0.77
Espavé	Spanish cedar	*Cedrela odorata*	2022	2025	*Mar-25*	2025	2.6	3.0	2.5	N/A	1.14	0.97

Espave - *Dalbergia retusa* - 2022											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Espavé	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.9	2.5	2.9	1.33	1.56
Espavé	Cocobolo	*Dalbergia retusa*	2022	2025	*Feb-25*	2025	2.5	3.0	3.7	1.18	1.45

Espave - *Myroxylon balsamum* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Espavé	Balsam	*Myroxylon balsamum*	2022	2024	*Jun-24*	2024	1.9	NA	0.3	N/A	NA	0.15
Espavé	Balsam	*Myroxylon balsamum*	2022	2025	*Feb-25*	2025	2.5	NA	0.7	N/A	NA	0.29

Espave - *Platymiscium pinnatum* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Espavé	Quira	*Platymiscium pinnatum*	2022	2024	*Jun-24*	2024	1.9	2.2	2.9	N/A	1.17	1.57



Map 8. Espavé — Farm 960.

- *Castro*

Castro - *Astronium graveolens* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Ron Ron	*Astronium graveolens*	2021	2023	*Apr-23*	2023	1.7	1.26	2.04	N/A	0.73	1.17
Castro	Ron Ron	*Astronium graveolens*	2021	2024	*May-24*	2024	2.8	2.89	2.98	N/A	1.03	1.06
Castro	Ron Ron	*Astronium graveolens*	2021	2025	*Dec-24*	2024	3.4	3.46	3.04	N/A	1.03	0.91

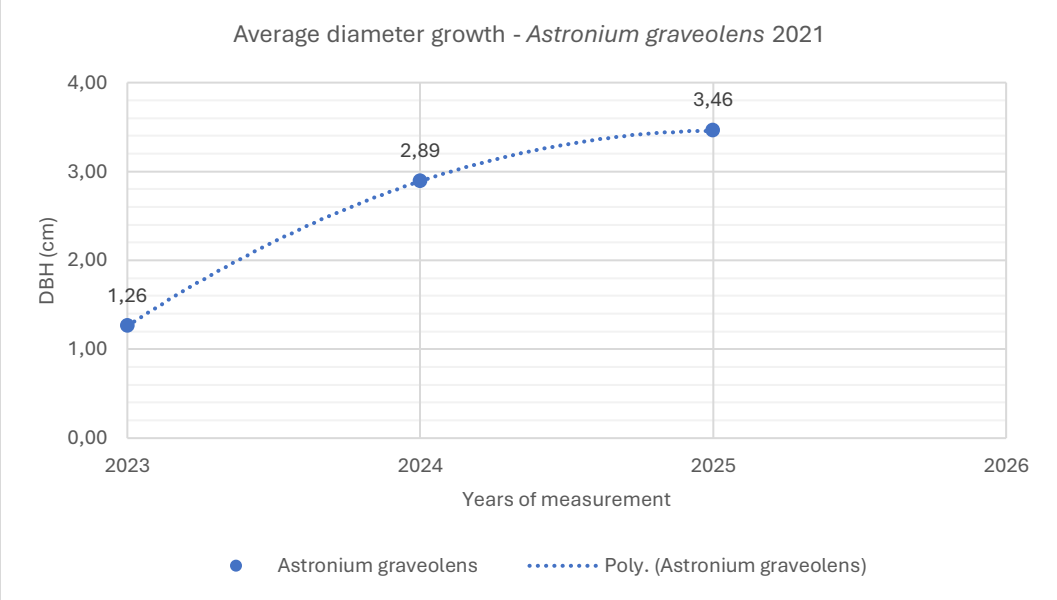


Chart 23. Average diameter growth of Ron ron 2021, Castro.

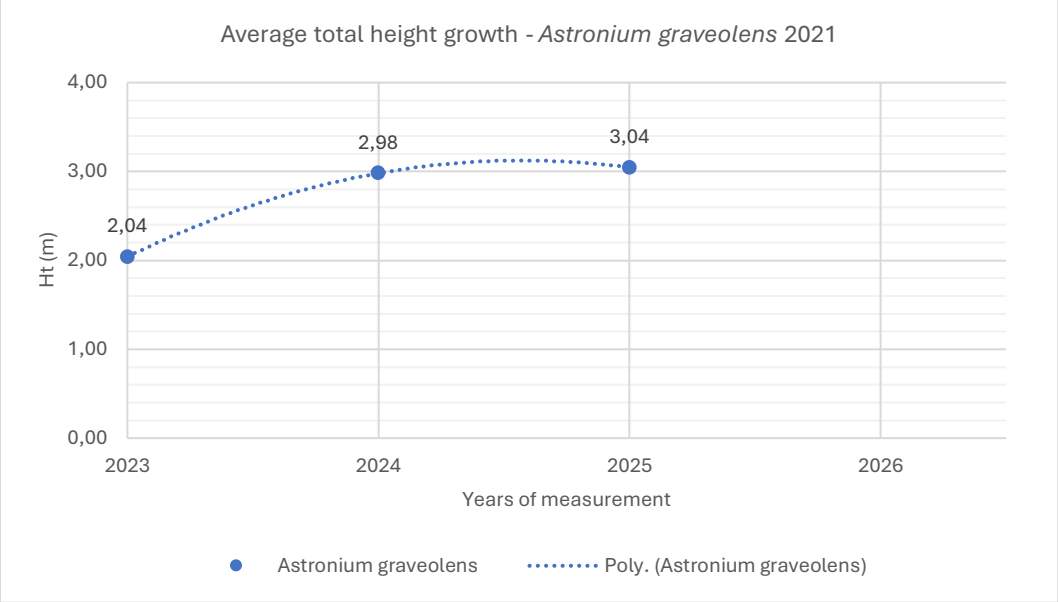


Chart 24. Average total height growth of Ron ron 2021, Castro.

Castro - *Cedrela odorata* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Spanish cedar	*Cedrela odorata*	2021	2023	*Apr-23*	2023	1.7	2.81	2.02	N/A	1.62	1.16
Castro	Spanish cedar	*Cedrela odorata*	2021	2024	*May-24*	2024	2.8	3.65	2.97	N/A	1.29	1.05
Castro	Spanish cedar	*Cedrela odorata*	2021	2025	*Dec-24*	2024	3.4	3.90	3.98	N/A	1.16	1.18

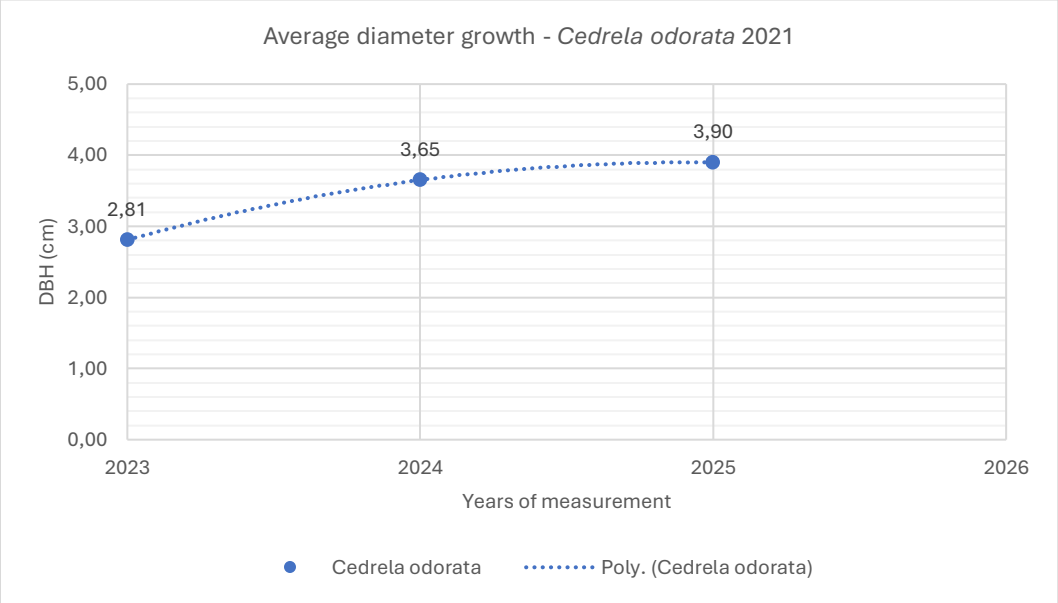


Chart 25. Average diameter growth of Spanish cedar 2021, Castro.

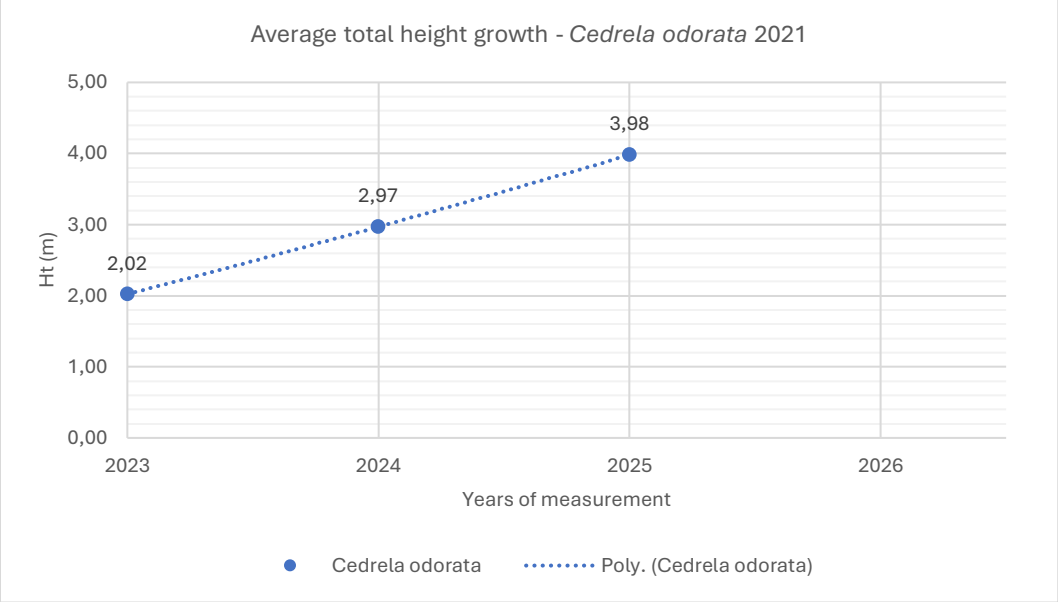


Chart 26. Average total height growth of Spanish cedar 2021, Castro.

Castro - *Dalbergia retusa* - 2021											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
Castro	Cocobolo	*Dalbergia retusa*	2021	2023	*Apr-23*	2023	1.7	1.92	2.98	1.10	1.71
Castro	Cocobolo	*Dalbergia retusa*	2021	2024	*May-24*	2024	2.8	3.40	4.01	1.21	1.42
Castro	Cocobolo	*Dalbergia retusa*	2021	2025	*Feb-25*	2025	3.6	2.56	3.00	0.72	0.84

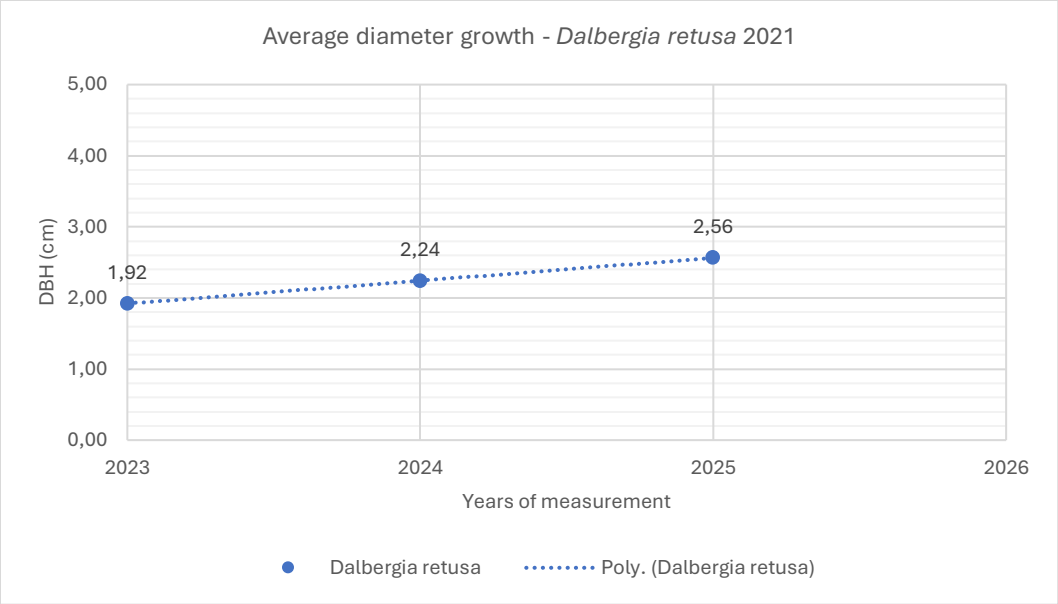


Chart 27. Average diameter growth of Cocobolo 2021, Castro.

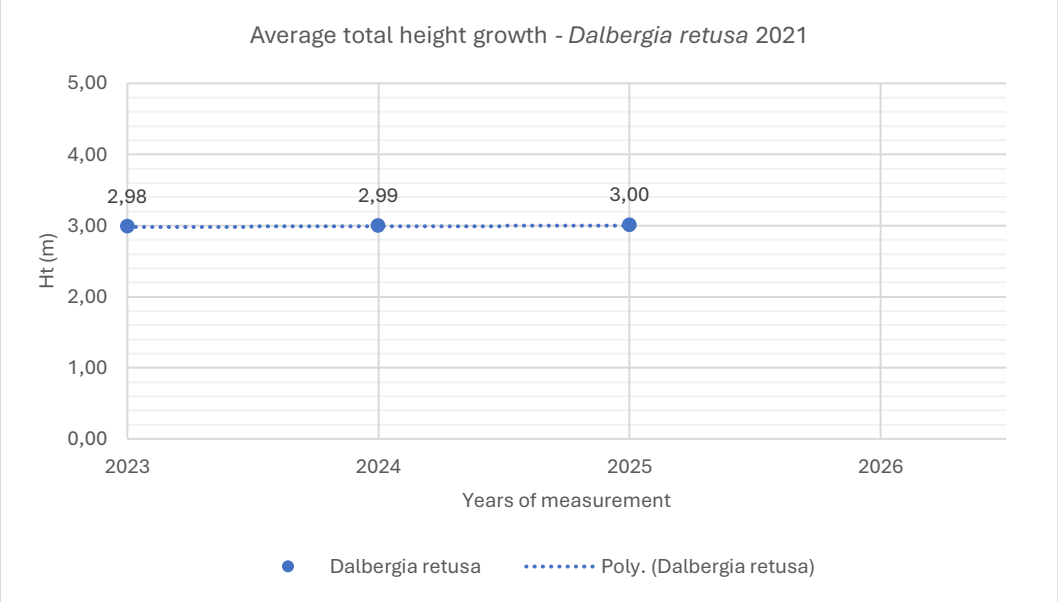


Chart 28. Average total height growth of Cocobolo 2021, Castro.

Castro - *Tabebuia impetiginosa* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Guayacán morado	*Tabebuia impetiginosa*	2021	2023	*Apr-23*	2023	1.7	0.00	0.39	N/A	0.00	0.22

Castro	Guayacán morado	*Tabebuia impetiginosa*	2021	2024	*May-24*	2024	2.8	1.84	2.72	N/A	0.66	0.97
Castro	Guayacán morado	*Tabebuia impetiginosa*	2021	2025	*Jan-25*	2025	3.5	2.13	2.82	N/A	0.62	0.81

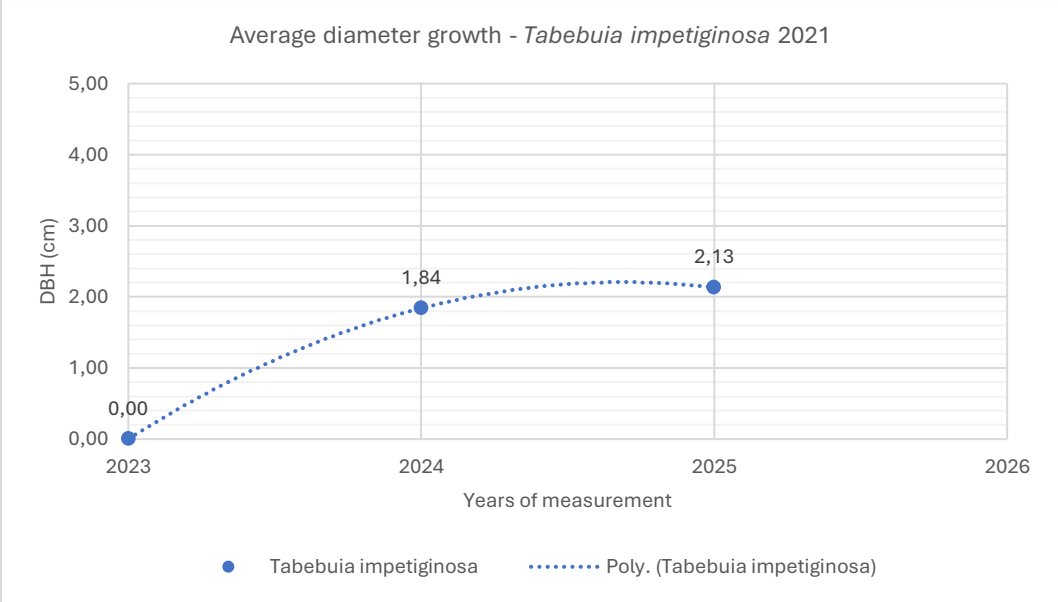


Chart 29. Average diameter growth of Guayacán morado 2021, Castro.

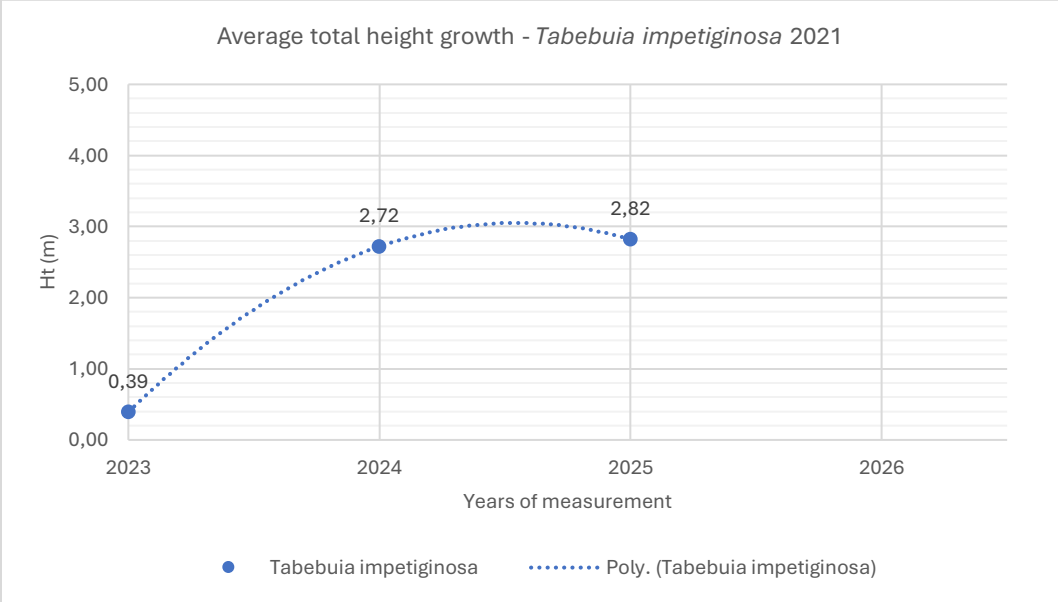


Chart 30. Average total height growth of Guayacán morado 2021, Castro.

Castro - *Tabebuia rosea* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Roble	*Tabebuia rosea*	2021	2023	*Apr-23*	2023	1.7	2.60	2.32	N/A	1.50	1.34
Castro	Roble	*Tabebuia rosea*	2021	2024	*May-24*	2024	2.8	5.38	3.87	N/A	1.91	1.38
Castro	Roble	*Tabebuia rosea*	2021	2025	*Dec-24*	2024	3.4	6.97	4.72	N/A	2.07	1.40

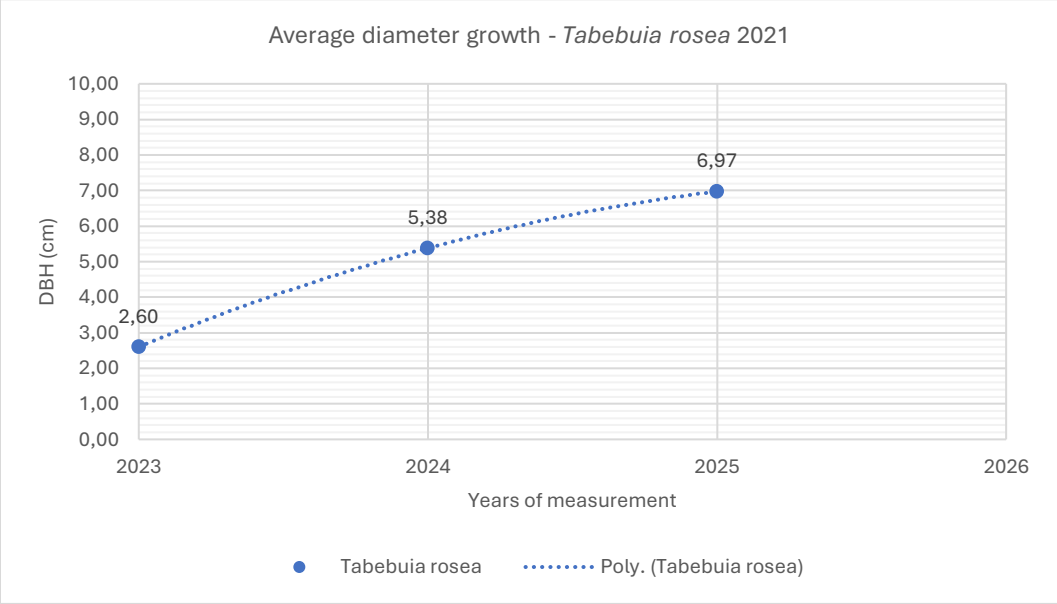


Chart 31. Average diameter growth of Roble 2021, Castro.

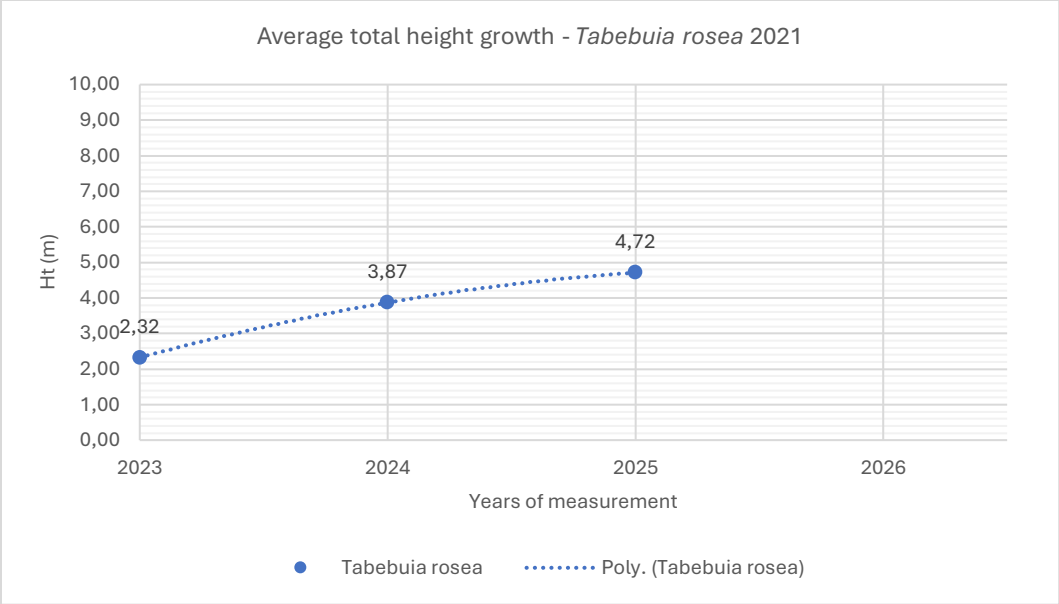


Chart 32. Average total height growth of Roble 2021, Castro.

Castro - *Tectona grandis* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Teak	*Tectona grandis*	2021	2023	*Apr-23*	2023	1.7	3.26	3.22	N/A	1.88	1.85
Castro	Teak	*Tectona grandis*	2021	2024	*May-24*	2024	2.8	9.19	8.19	3.41	3.26	2.90
Castro	Teak	*Tectona grandis*	2021	2025	*Dec-24*	2024	3.4	13.91	11.24	3.84	4.14	3.34

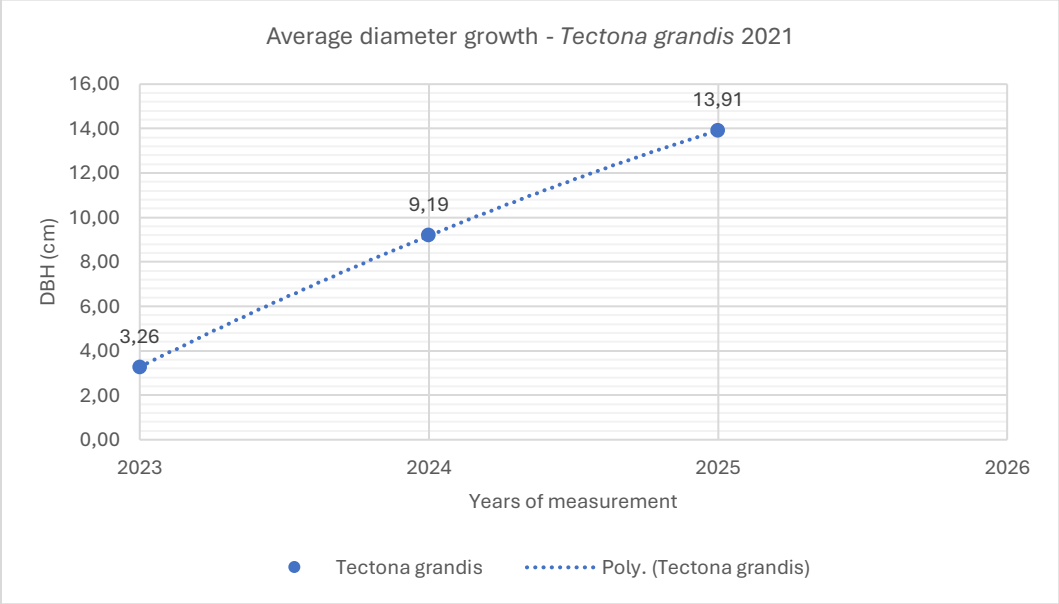


Chart 33. Average diameter growth of Teak 2021, Castro.

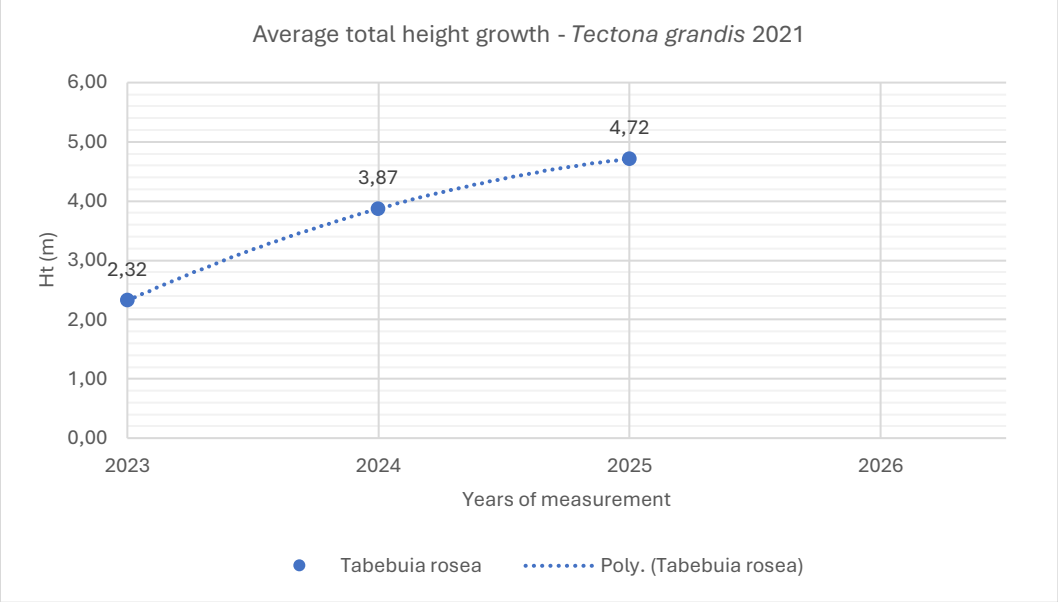


Chart 34. Average total height growth of Teak 2021, Castro.

Castro - *Terminalia oblonga* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Guayabo de charco	*Terminalia oblonga*	2021	2023	*Apr-23*	2023	1.7	2.01	2.39	N/A	1.16	1.37
Castro	Guayabo de charco	*Terminalia oblonga*	2021	2024	*Apr-24*	2024	2.7	4.86	4.13	N/A	1.77	1.51
Castro	Guayabo de charco	*Terminalia oblonga*	2021	2025	*Jan-25*	2025	3.5	7.70	5.95	N/A	2.22	1.72

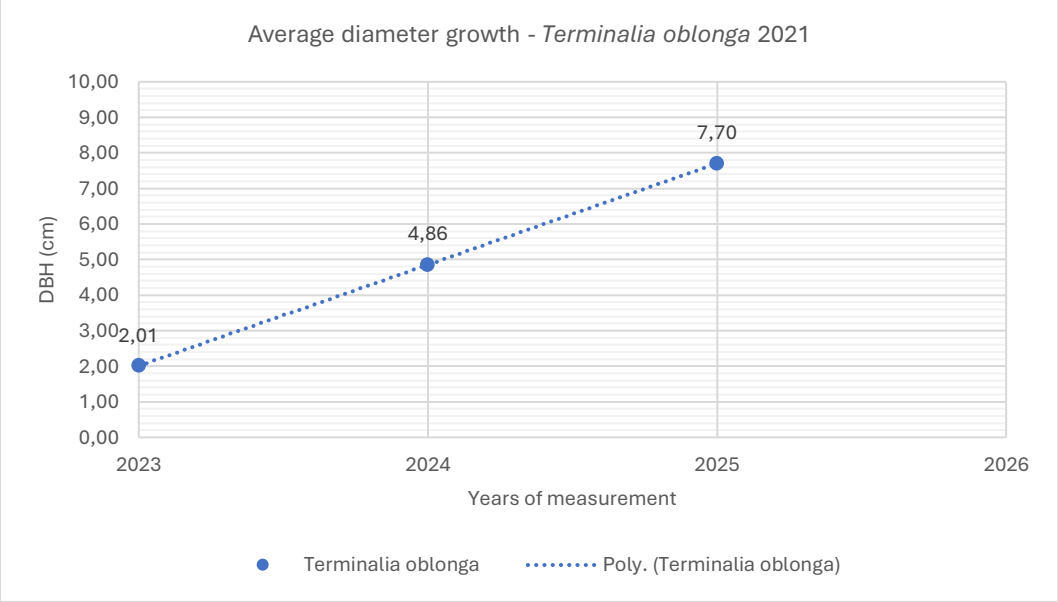


Chart 35. Average diameter growth of Guayabo de charco 2021, Castro.

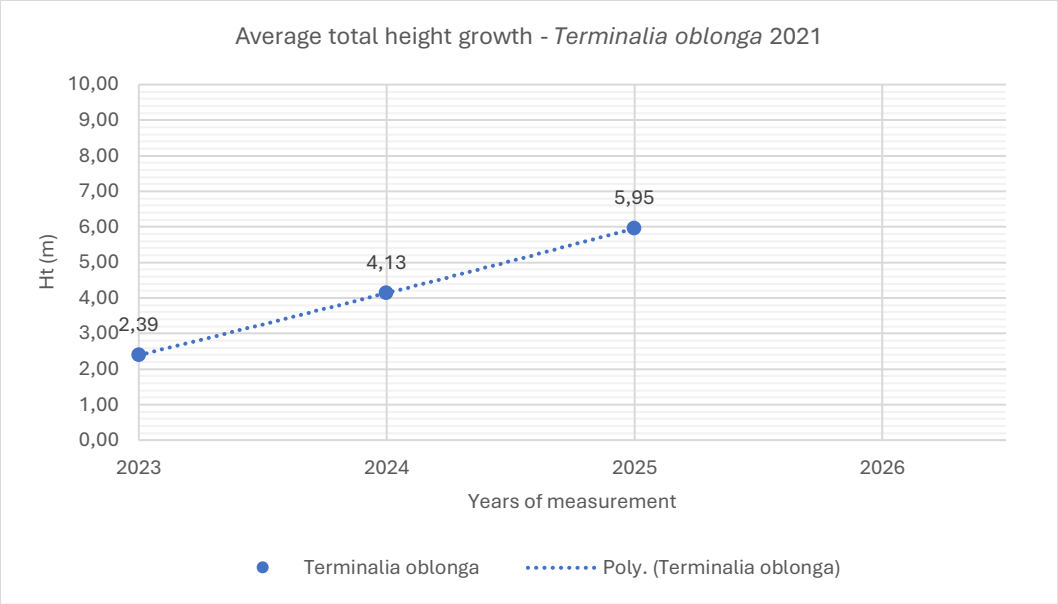
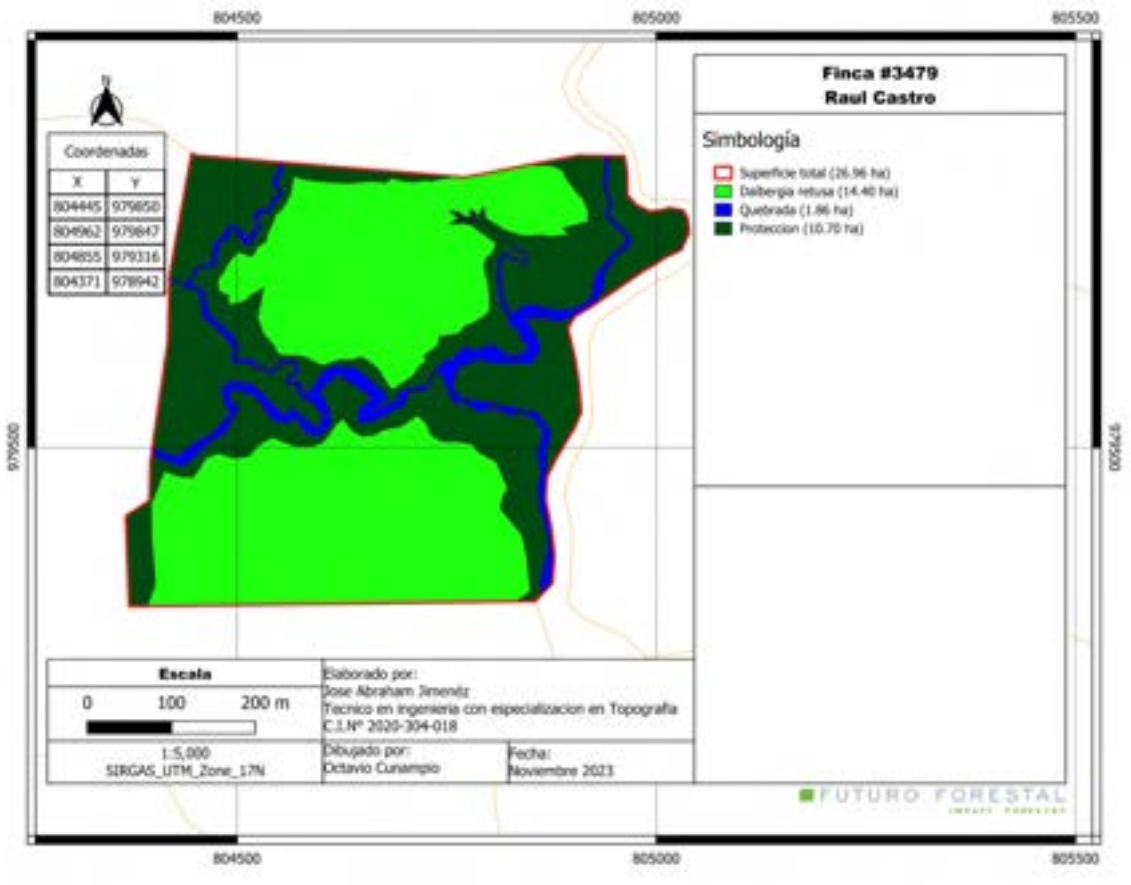


Chart 36. Average total height growth of Guayabo de charco 2021, Castro.

Castro - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Castro	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	3.19	3.12	1.76	1.71	1.67
Castro	Teak	*Tectona grandis*	2022	2025	*Dec-24*	2024	2.4	5.86	4.43	2.30	2.47	1.87



Map 9. Raul Castro — Farm 3479.

- *La Ponderosa*

La Ponderosa - *Tabebuia rosea* - 2020												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Roble	*Tabebuia rosea*	2020	2021	*Apr-21*	2021	0.7	0.00	0.48	N/A	0.00	0.65
La Ponderosa	Roble	*Tabebuia rosea*	2020	2022	*Jul-22*	2022	1.9	2.23	1.89	N/A	1.16	0.98
La Ponderosa	Roble	*Tabebuia rosea*	2020	2023	*Apr-23*	2023	2.7	3.77	3.03	N/A	1.38	1.11
La Ponderosa	Roble	*Tabebuia rosea*	2020	2024	*Mar-24*	2024	3.6	5.76	4.08	N/A	1.59	1.13
La Ponderosa	Roble	*Tabebuia rosea*	2020	2025	*Mar-25*	2025	4.6	8.47	5.49	N/A	1.83	1.19

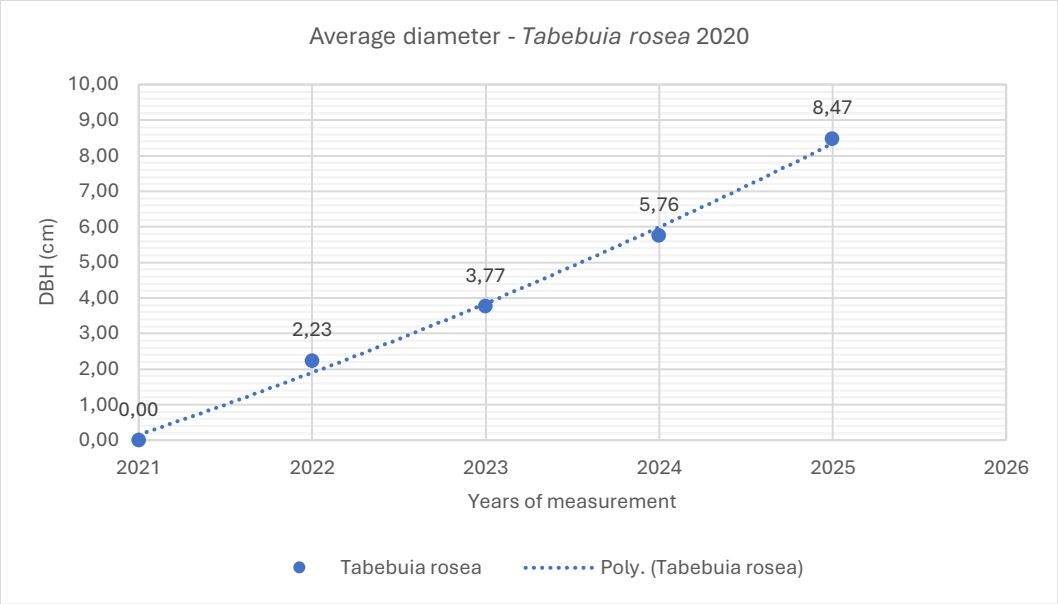


Chart 37. Average diameter growth of Roble 2021, La Ponderosa.

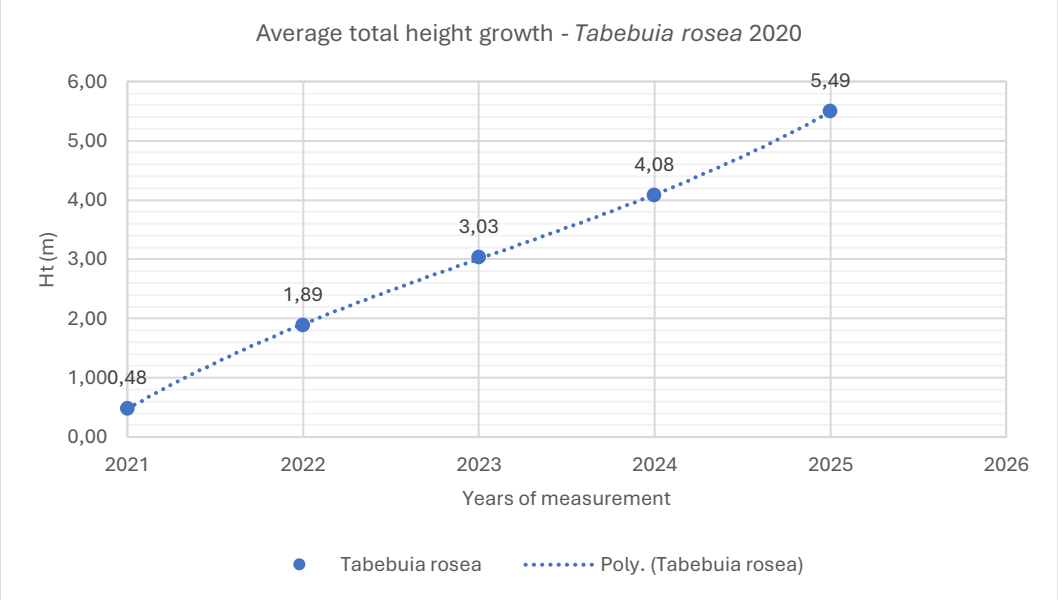


Chart 38. Average total height growth of Roble 2021, La Ponderosa.

La Ponderosa - *Astronium graveolens* - 2020												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Zorro	*Astronium graveolens*	2020	2021	*Apr-21*	2021	0.7	NA	0.44	N/A	0.00	0.59
La Ponderosa	Zorro	*Astronium graveolens*	2020	2022	*Jul-22*	2022	1.9	1.33	1.40	N/A	0.69	0.73

La Ponderosa	Zorro	*Astronium graveolens*	2020	2023	*Apr-23*	2023	2.7	2.05	2.50	N/A	0.75	0.92
La Ponderosa	Zorro	*Astronium graveolens*	2020	2024	*Mar-24*	2024	3.6	3.07	2.64	N/A	0.85	0.73
La Ponderosa	Zorro	*Astronium graveolens*	2020	2025	*Mar-25*	2025	4.6	4.71	3.86	N/A	1.02	0.83

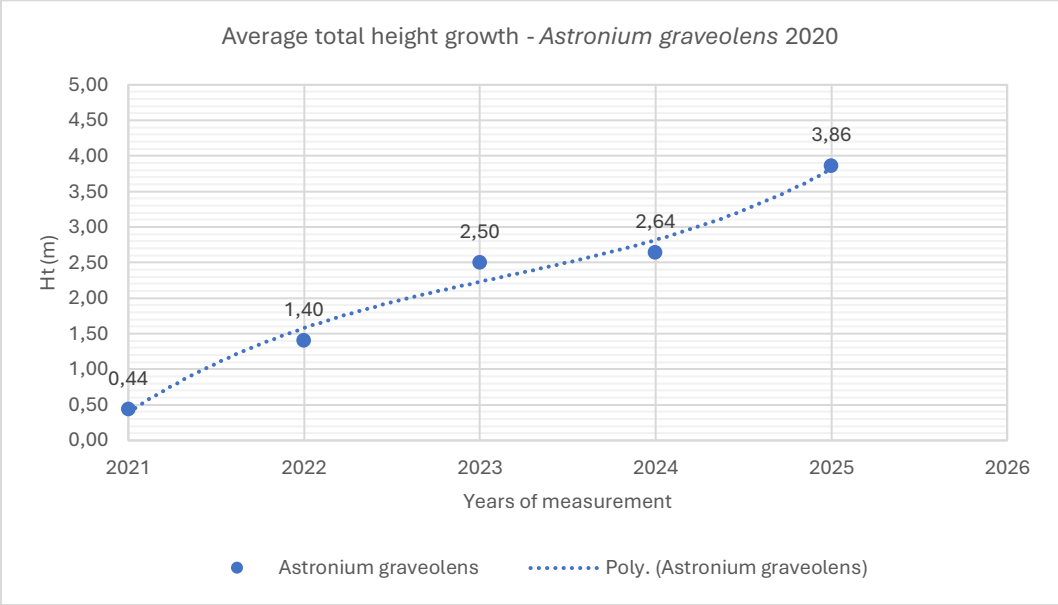


Chart 39. Average diameter growth of Ron ron 2020, La Ponderosa.

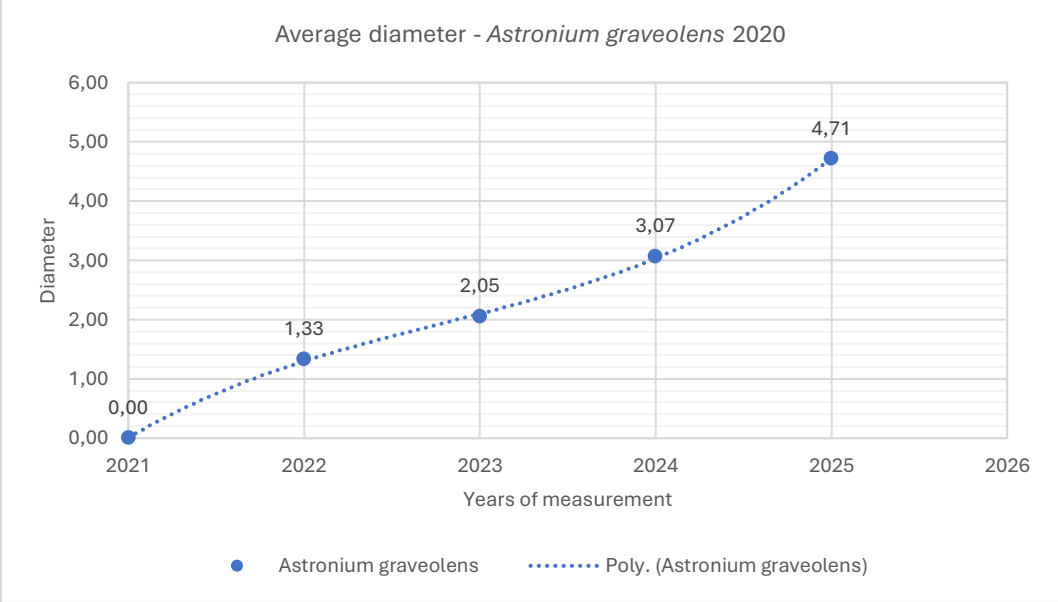


Chart 40. Average total height growth of Ron ron 2020, La Ponderosa.

La Ponderosa - *Dalbergia retusa* - 2020											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Cocobolo	*Dalbergia retusa*	2020	2021	*Apr-21*	2021	0.7	0.66	0.00	0.94	0.00
La Ponderosa	Cocobolo	*Dalbergia retusa*	2020	2022	*Jul-22*	2022	1.7	2.49	3.71	1.46	2.18
La Ponderosa	Cocobolo	*Dalbergia retusa*	2020	2023	*Apr-23*	2023	2.7	4.26	4.90	1.58	1.81
La Ponderosa	Cocobolo	*Dalbergia retusa*	2020	2024	*Mar-24*	2024	3.8	4.61	4.83	1.21	1.27
La Ponderosa	Cocobolo	*Dalbergia retusa*	2020	2025	*Apr-25*	2025	4.7	4.96	4.76	1.06	1.02

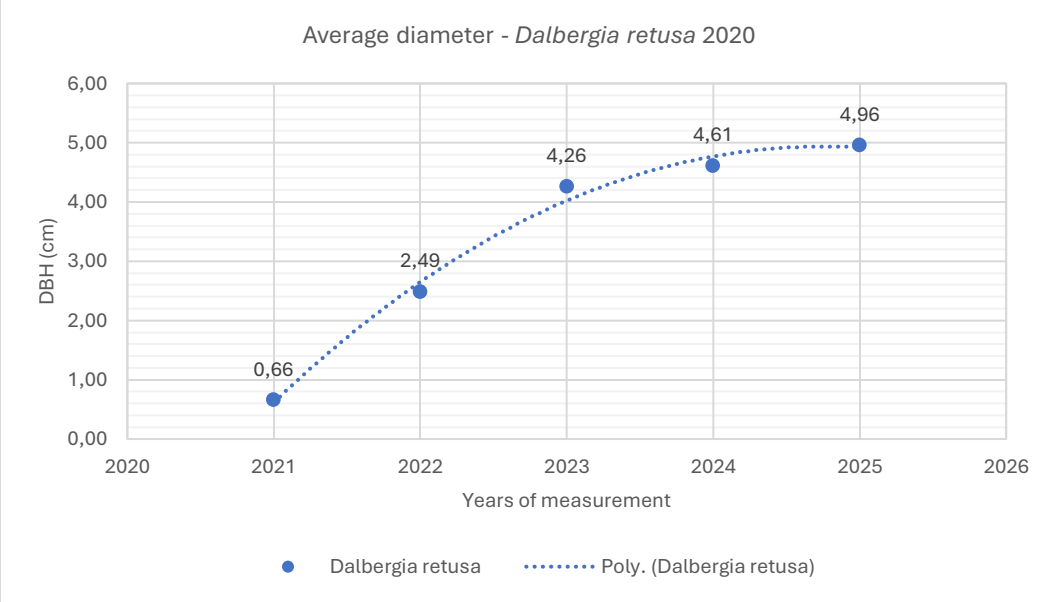


Chart 41. Average diameter growth of Cocobolo 2020, La Ponderosa.

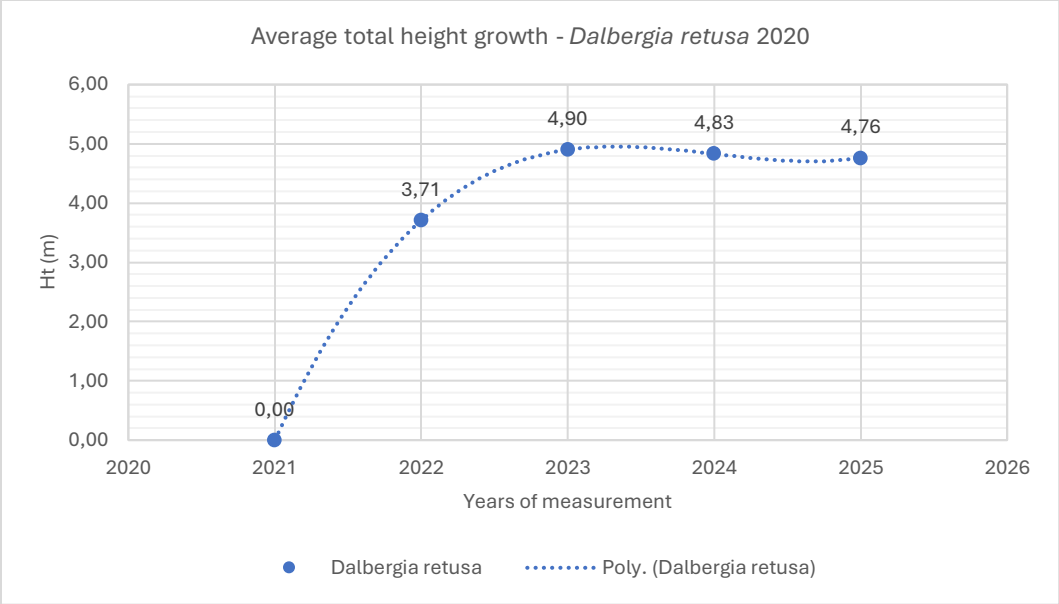


Chart 42. Average total height growth of Cocobolo 2020, La Ponderosa.

La Ponderosa - *Dalbergia retusa* - 2021											
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Cocobolo	*Dalbergia retusa*	2021	2023	*Apr-23*	2023	1.7	1.85	2.40	1.07	1.39
La Ponderosa	Cocobolo	*Dalbergia retusa*	2021	2024	*Mar-24*	2024	2.6	3.32	3.24	1.27	1.24
La Ponderosa	Cocobolo	*Dalbergia retusa*	2021	2025	*Mar-25*	2025	3.6	4.96	4.76	1.37	1.32

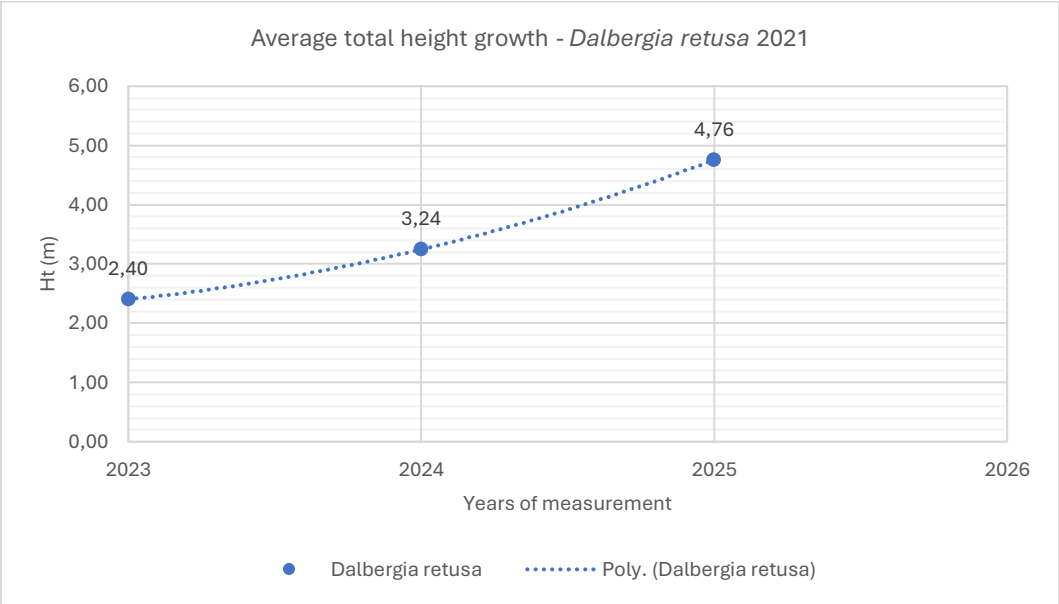


Chart 43. Average diameter growth of Cocobolo 2021, La Ponderosa.

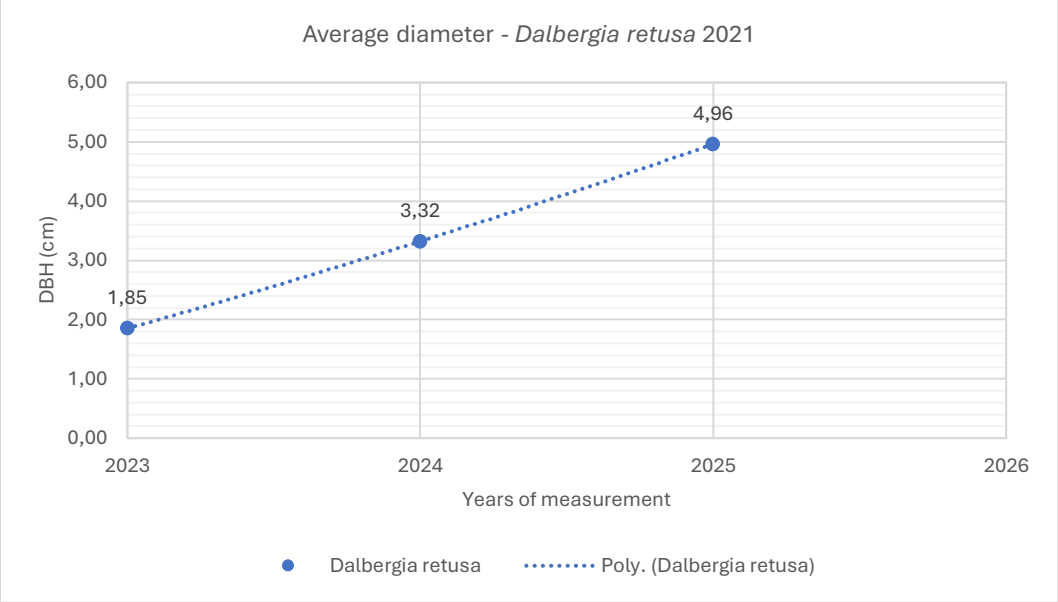


Chart 44. Average total height growth of Cocobolo 2021, La Ponderosa.

La Ponderosa - *Cedrela odorata* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Spanish cedar	*Cedrela odorata*	2021	2023	*Apr-23*	2023	1.7	2.03	1.14	N/A	1.17	0.66
La Ponderosa	Spanish cedar	*Cedrela odorata*	2021	2024	*Mar-24*	2024	2.6	2.58	1.38	N/A	0.99	0.53
La Ponderosa	Spanish cedar	*Cedrela odorata*	2021	2025	*Mar-25*	2025	3.6	3.61	2.70	N/A	1.00	0.74

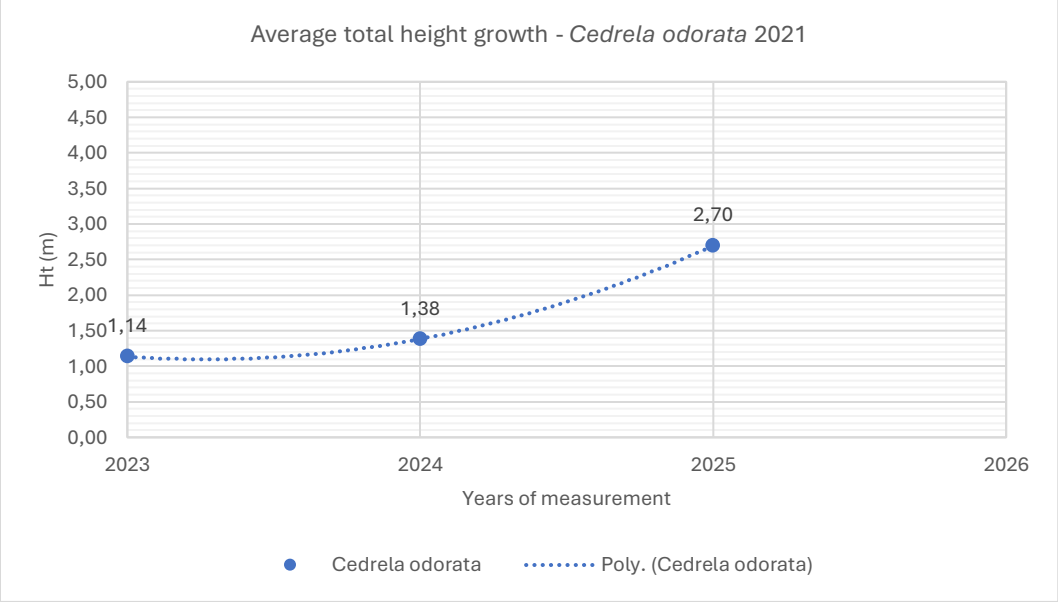


Chart 45. Average diameter growth of Spanish cedar 2021, La Ponderosa.

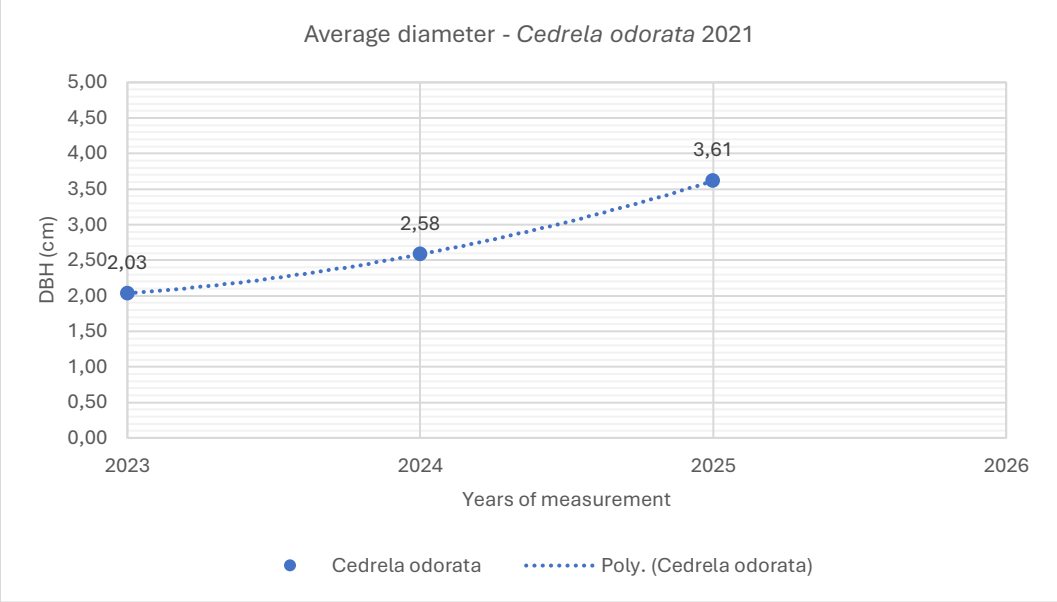


Chart 46. Average total height growth of Spanish cedar 2021, La Ponderosa.

La Ponderosa - *Dipteryx oleifera* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Almendro	*Dipteryx oleifera*	2021	2023	*Apr-23*	2023	1.7	1.8	0.8	N/A	1.04	0.47
La Ponderosa	Almendro	*Dipteryx oleifera*	2021	2024	*Apr-24*	2024	2.7	2.1	1.6	N/A	0.77	0.58
La Ponderosa	Almendro	*Dipteryx oleifera*	2021	2025	*Mar-25*	2025	3.6	2.6	2.6	N/A	0.72	0.71

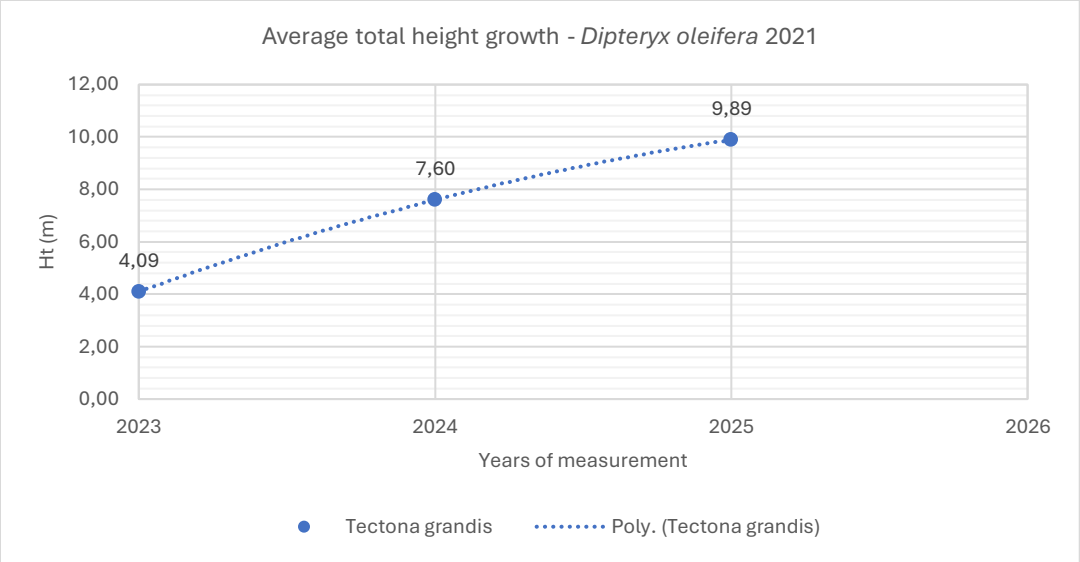


Chart 47. Average diameter growth of Almendro de montaña 2021, La Ponderosa.

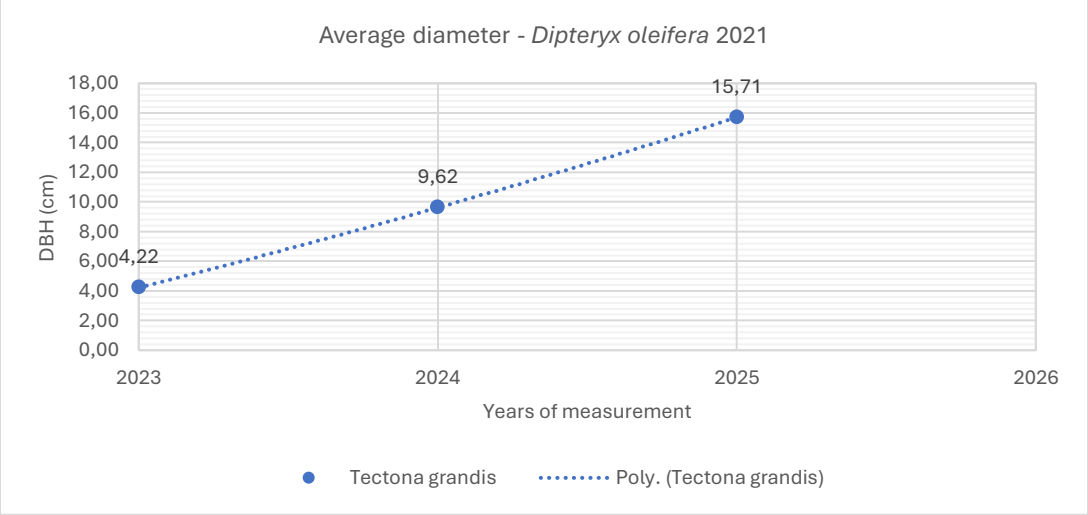


Chart 48. Average total height growth of Almendro de montaña 2021, La Ponderosa

La Ponderosa - *Tectona grandis* - 2021												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Teak	*Tectona grandis*	2021	2023	*Apr-23*	2023	1.7	4.22	4.09	N/A	2.48	2.41
La Ponderosa	Teak	*Tectona grandis*	2021	2024	*Mar-24*	2024	2.6	9.62	7.60	3.00	3.68	2.91
La Ponderosa	Teak	*Tectona grandis*	2021	2025	*Jan-25*	2025	3.5	15.71	9.89	5.21	4.51	2.84

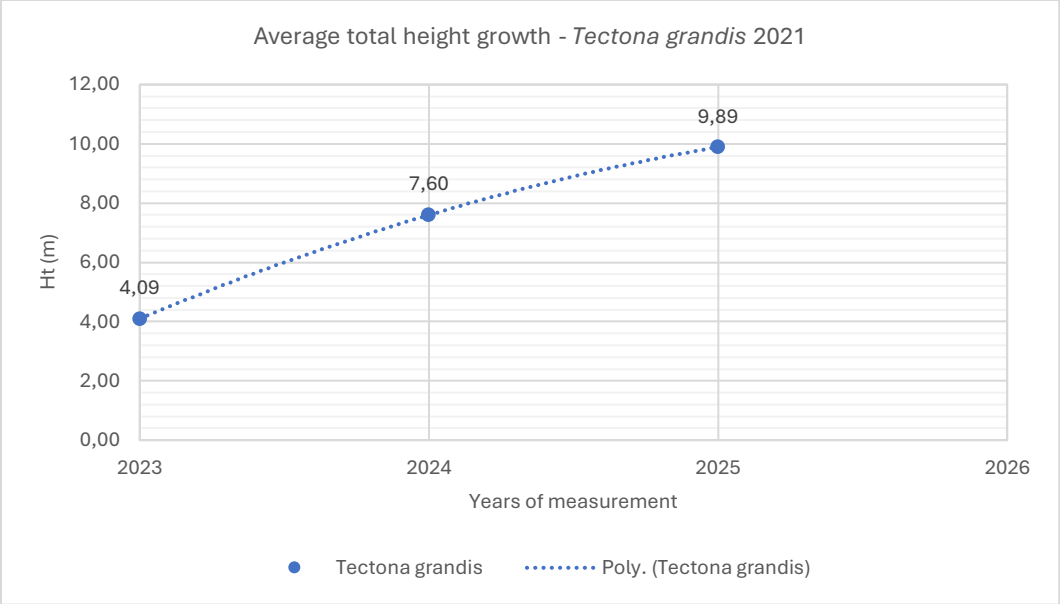


Chart 49. Average diameter growth of Teak 2021, La Ponderosa.

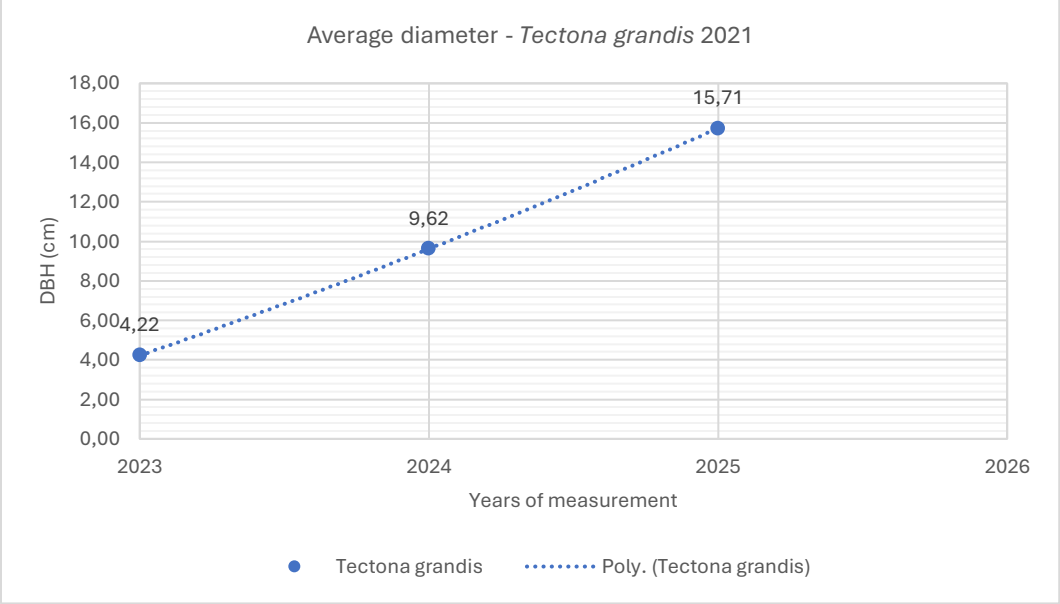
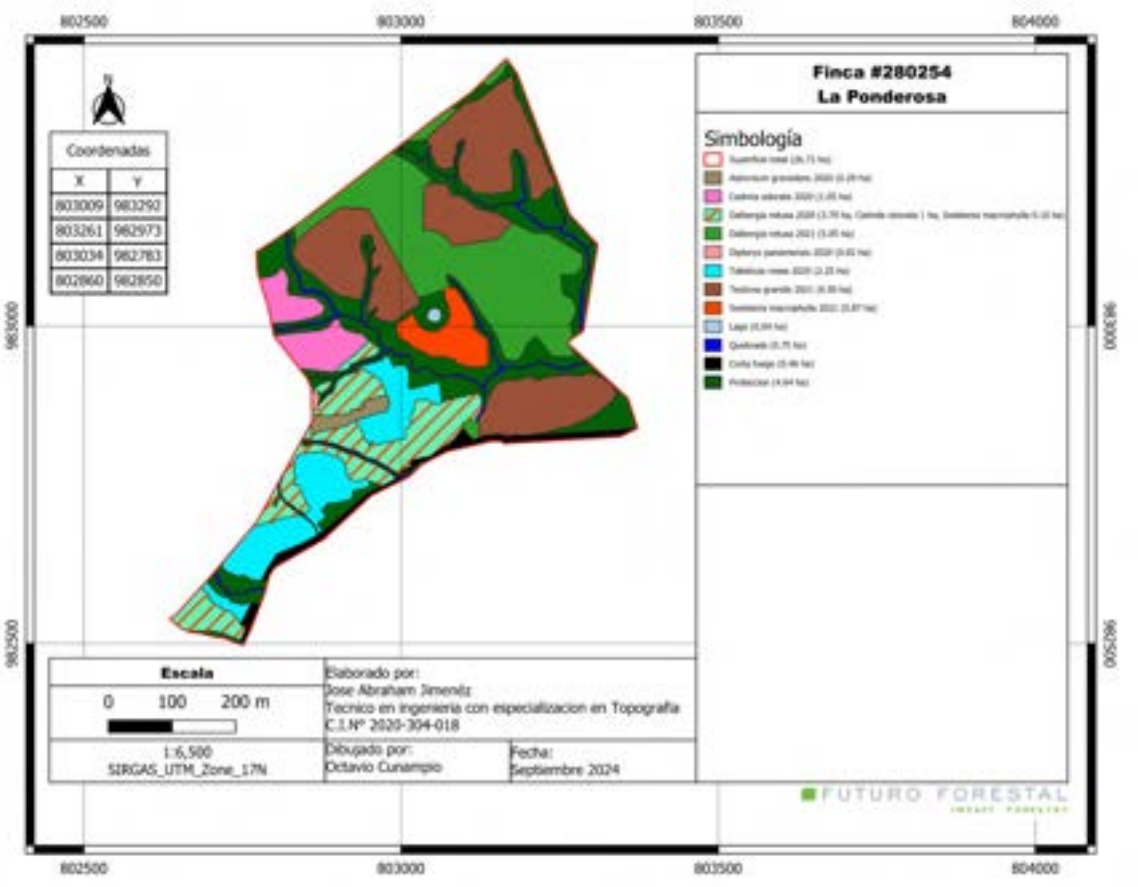


Chart 50. Average total height growth of Teak 2021, La Ponderosa.

La Ponderosa - *Swietenia macrophylla* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Mahogany	*Swietenia macrophylla*	2023	2025	*Apr-25*	2025	1.7	1.7	1.4	N/A	1.02	0.84

La Ponderosa - *Astronium graveolens* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
La Ponderosa	Zorro	*Astronium graveolens*	2023	2025	*Mar-25*	2025	1.7	1.5	2.0	N/A	0.92	1.21



Map 10. La Ponderosa — Farm 280254.

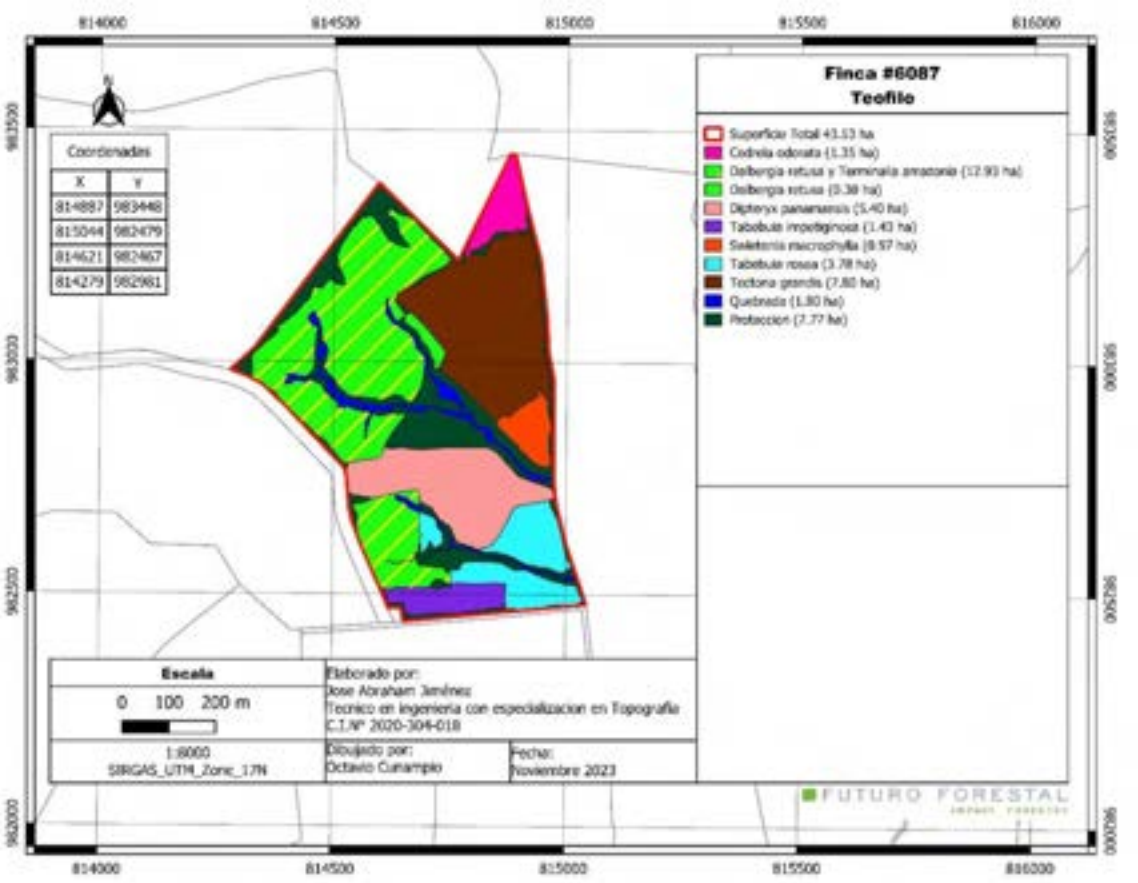
- *Teofilo Herrera*

Teofilo Herrera - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Teofilo Herrera	Almendro de montaña	*Dipteryx oleifera*	2022	2024	*Jun-24*	2024	1.9	1.7	0.6	N/A	0.89	0.34
Teofilo Herrera	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Mar-25*	2025	2.6	2.3	1.3	N/A	0.88	0.49

Teofilo Herrera - *Tabebuia rosea* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Teofilo Herrera	Roble	*Tabebuia rosea*	2022	2024	*Jun-24*	2024	1.9	1.6	1.2	N/A	0.85	0.66
Teofilo Herrera	Roble	*Tabebuia rosea*	2022	2025	*Mar-25*	2025	2.6	2.3	2.0	N/A	0.86	0.75

Teofilo Herrera - *Swietenia macrophylla* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Teofilo Herrera	Mahogany	*Swietenia macrophylla*	2022	2024	*Jun-24*	2024	1.9	1.6	0.6	N/A	0.85	0.32
Teofilo Herrera	Mahogany	*Swietenia macrophylla*	2022	2025	*Mar-25*	2025	2.6	2.0	1.4	N/A	0.76	0.55

Teofilo Herrera - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Teofilo Herrera	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	5.4	4.6	1.7	2.86	2.45
Teofilo Herrera	Teak	*Tectona grandis*	2022	2025	*Mar-25*	2025	2.6	11.1	7.3	2.7	4.22	2.79



Map 11. Teofilo Herrera — Farm 6087.

AOP 2025-CLARITAS																											
		January		February		March		April		May		June		July		August		September		October		November		December		Totals	
Code	ACTIVITY	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
E2	Trail clearing – staking	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
E4	Trail clearing	-	-	-	-	-	-	-	-	-	163	-	19	-	4	-	8	-	-	-	-	-	-	-	-	-	194
E7	Weed control – establishment ring weeding	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3
E8	Weed control – chemical – backpack sprayer	-	50	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	53
E11	Weed control – chemical – motor pump	-	-	-	-	-	-	-	8	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
E12	Weed control – manual – machete clearing	-	-	-	-	-	-	-	200	-	39	-	1	-	-	-	-	-	11	-	-	-	-	-	-	-	251
E15	Phytosanitary control – leafcutter ants	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
E18	Marking – stake preparation	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
E19	Marking - Collection of stakes	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
E22	Distribution of plants	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	-	12
E24	Hole digging – manual	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	23	-	-	-	-	-	-	-	-	-	39
E25	Initial fertilization	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	5
E26	Manual planting	-	-	-	-	-	-	-	-	-	-	-	-	-	18	-	20	-	-	-	-	-	-	-	-	-	38
E29	Replanting	-	-	-	-	-	-	-	-	2,832	-	18,387	-	-	-	-	15	-	54	-	-	-	7	-	-	21,219	76
E34	Marking – staking	-	-	-	-	-	-	-	-	-	36	-	2	-	11	-	2	-	-	-	-	-	-	-	-	-	51
M1	Weed control – chemical – backpack sprayer	14	-	-	-	-	-	88	18	88	96	45	133	92	251	79	320	49	385	88	171	83	210	-	114	624	1,698
M4	Weed control – chemical ring weeding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	5	-	20	-	-	-	-	-	31
M5	Weed control – chemical – Playo control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	5
M6	Weed control manual – machete clearing	9	-	129	-	14	23	129	39	52	13	-	253	119	382	68	459	-	139	89	140	39	160	-	62	647	1,670
M7	Weed control manual – maintenance ring weeding	-	19	3	-	3	6	3	10	4	14	15	-	8	1	-	49	-	73	23	41	-	41	65	12	123	266

M 8	Weed control manual – vine cutting	34	12	110	44	284	75	108	35	873	73	6,196	211	6,541	103	186	106	40	152	114	51	216	117	129	45	14,831	1,024
M 9	Weed control – mechanical - Güira	26	20	38	1	60	8	232	21	31	48	24	40	3	35	4	34	3	16	-	-	7	1	-	-	429	224
M 11	Phytosanitary control – chemical – Hypsipyla grandella	25	-	26	46	25	48	36	42	47	42	52	39	56	33	61	47	56	47	61	29	53	36	58	29	556	438
M 12	Phytosanitary control – chemical – fungi	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
M 13	Manual phytosanitary control – leafcutter ants	55	8	54	3	54	1	54	2	54	1	54	2	54	3	54	2	54	3	54	6	50	1	50	3	644	35
M 14	Manual phytosanitary control – Hypsipyla grandella	110	62	115	90	110	44	118	43	119	19	123	12	123	15	123	-	123	-	123	-	120	-	119	-	1,428	285
M 16	Granular fertilization	3	-	3	-	3	-	3	-	61	-	215	-	50	-	5	107	8	66	78	4	5	22	4	-	435	199
M 17	Desuckering	-	-	-	3	-	-	-	4	-	1	-	3	-	3	-	8	-	1	-	-	-	3	-	-	-	26
M 18	Formation pruning	156	26	189	45	205	200	78	31	16	48	40	73	374	72	115	38	35	73	40	27	27	61	403	9	1,678	703
M 23	Manual transport to yard	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
M 25	Straightening of plants	-	-	-	27	2	12	226	6	22	43	-	33	129	25	141	108	-	34	129	48	17	35	124	14	791	385
M 26	Clearing	-	-	-	23	53	498	11	137	39	114	-	77	14	106	50	131	45	83	-	41	-	132	108	63	320	1,405
M 27	Liming	-	-	-	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
M 31	Training	-	-	-	61	-	-	-	-	-	-	-	-	-	48	-	-	-	-	-	-	-	-	-	-	-	109
M 33	Organic ring weeding	15	25	-	2	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	33
M 35	Transport of supplies	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
M 36	Field irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
M 37	Contractor supervision	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4
M 38	Weed control – strip clearing	-	181	300	139	351	115	392	342	448	423	516	415	380	191	465	132	519	266	382	143	452	86	456	20	4,661	2,453
M 39	Weed control – chemical strip	-	-	-	-	18	-	256	-	266	73	482	182	249	89	292	-	472	30	250	6	288	49	401	7	2,974	436
M 40	Cocobolo resprout management	135	13	-	53	57	96	209	136	159	134	168	41	32	46	124	45	259	21	109	2	246	-	91	2	1,587	589
M 41	Sucker pruning	7	-	3	-	25	-	38	-	11	34	55	28	-	2	5	2	25	1	26	-	23	4	19	-	238	71
M 43	High pruning	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

M 45	Soil conservation	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
M 46	Fire CPC – maintain firebreaks	839	428	545	803	109	289	42	-	-	-	-	-	-	2	-	38	-	41	71	1	2	7	-	166	1,607	1,775
M 47	Fire CPC – mechanical	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	7
M 48	Fire CPC – sweep lanes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	13
M 50	Fire CPC – fire surveillance	-	-	-	44	-	78	-	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180
M 54	Worker paperwork	-	9	-	11	-	44	-	38	-	78	-	25	-	53	-	47	-	74	-	20	-	35	-	26	-	460
M 55	Manual pruning – selection of apex.	64	-	36	21	104	17	130	15	79	15	168	-	161	-	81	1	140	-	180	-	57	1	132	-	1,330	70
M 58	Assistant fumigation	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	5	-	-	-	-	-	-	-	-	-	13
	TOTAL	**1,491**	**853**	**1,551**	**1,450**	**1,476**	**1,560**	**2,151**	**1,185**	**5,201**	**1,546**	**26,540**	**1,598**	**8,385**	**1,540**	**1,853**	**1,761**	**1,829**	**1,582**	**1,816**	**750**	**1,686**	**1,008**	**2,158**	**585**	**56,138**	**15,418**

Lastenia

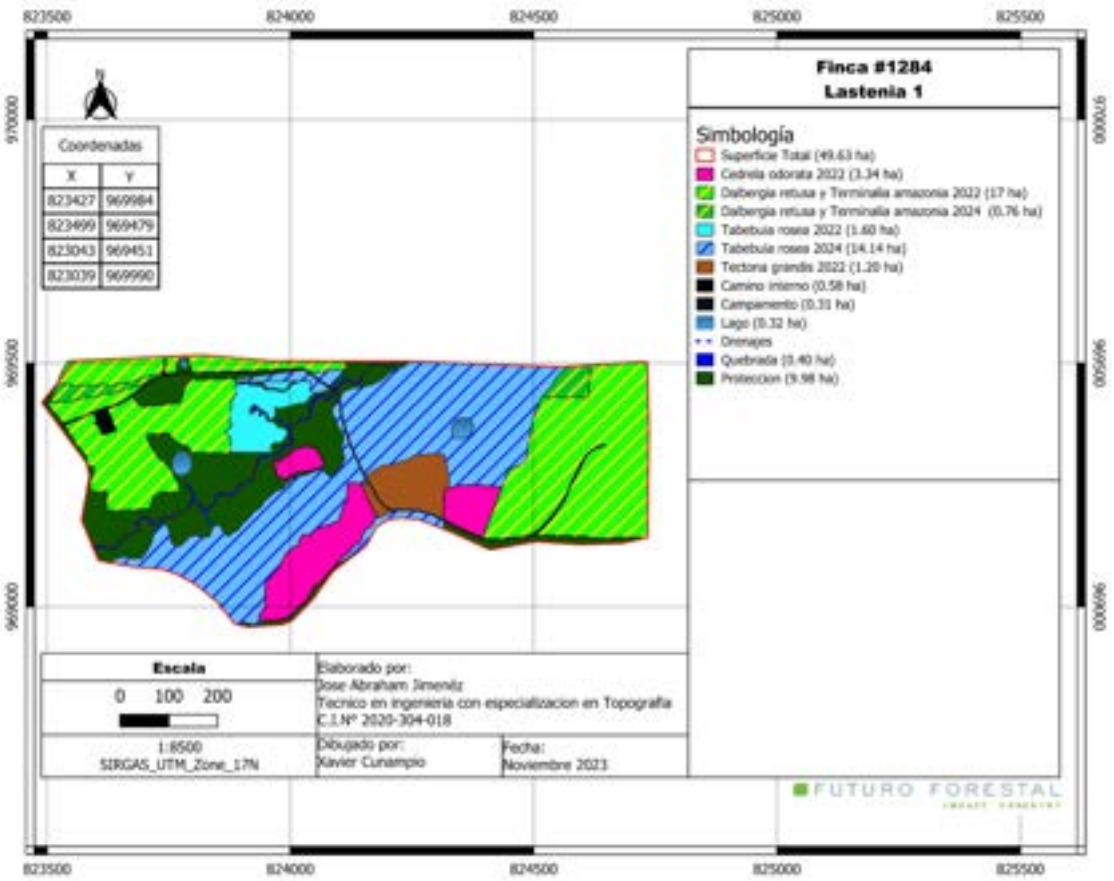
- *Lastenia 1*

Lastenia 1 - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 1	Almendro de montaña	*Dipteryx oleifera*	2022	2024	*Jun-24*	2024	1.8	NA	0.4	N/A	NA	0.19
Lastenia 1	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Apr-25*	2025	2.7	1.9	1.5	N/A	0.71	0.57

Lastenia 1 - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 1	Spanish cedar	*Cedrela odorata*	2022	2024	*May-24*	2024	1.8	2.6	2.2	N/A	1.46	1.24
Lastenia 1	Spanish cedar	*Cedrela odorata*	2022	2025	*Apr-25*	2025	2.7	4.6	4.0	N/A	1.74	1.50

Lastenia 1 - *Dalbergia retusa* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 1	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.8	3.0	3.4	N/A	1.61	1.83
Lastenia 1	Cocobolo	*Dalbergia retusa*	2022	2025	*Feb-25*	2025	2.6	4.6	4.4	N/A	1.77	1.70

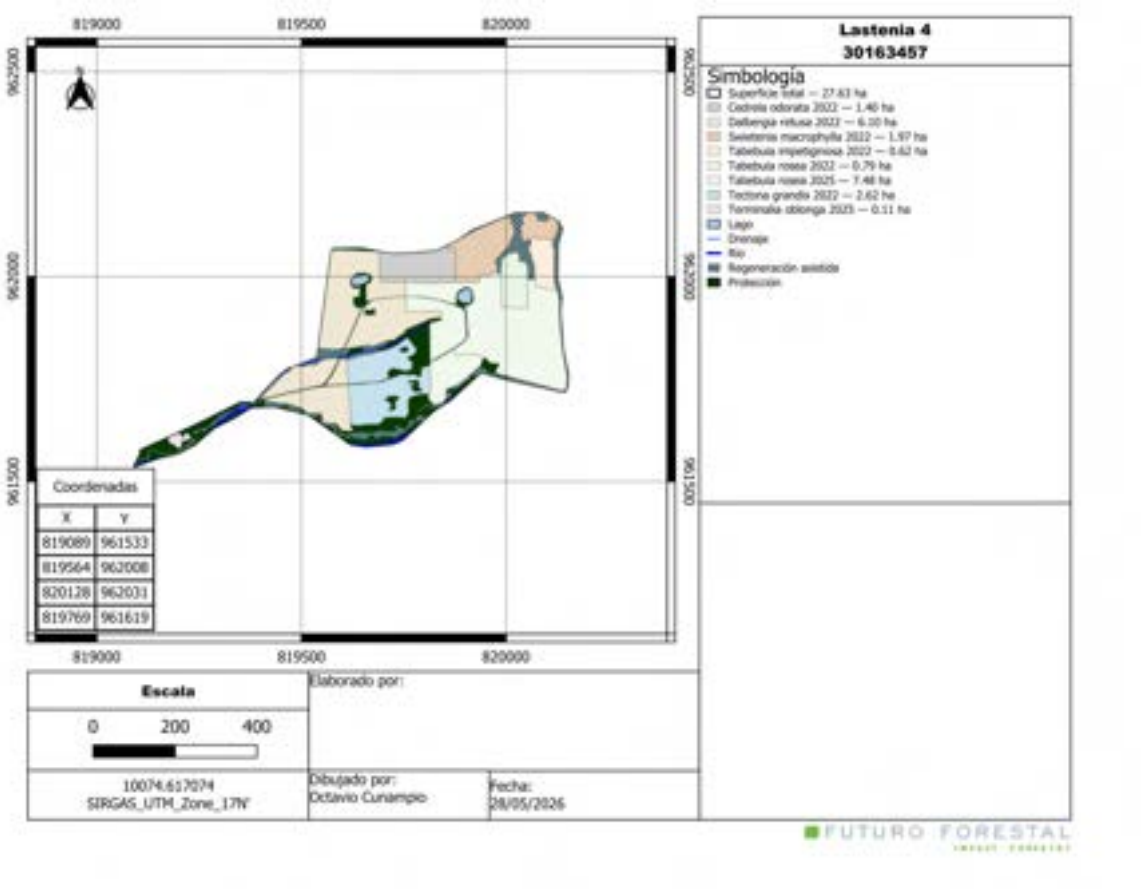
Lastenia 1 - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 1	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.8	4.5	4.2	2.5	2.44	2.29
Lastenia 1	Teak	*Tectona grandis*	2022	2025	*Feb-25*	2025	2.5	10.2	7.5	3.1	4.03	2.96



Map 12. Lastenia 1 — Farm 1284.

- *Lastenia 4*

Lastenia 4 - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 4	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	6.4	6.1	2.3	3.46	3.30
Lastenia 4	Teak	*Tectona grandis*	2022	2025	*Apr-25*	2025	2.7	13.1	11.5	4.4	4.88	4.29



Map 13. Lastenia 4.

- *Lastenia 5*

Lastenia 5 - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Lastenia 5	Almendro de montaña	*Dipteryx oleifera*	2022	2024	*Jun-24*	2024	1.8	NA	0.4	N/A	NA	0.23
Lastenia 5	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Apr-25*	2025	2.7	2.0	0.9	N/A	0.73	0.34

Lastenia 5 - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measu**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**

						rement						
Lastenia 5	Spanish cedar	*Cedrela odorata*	2022	2024	*Jun-24*	2024	1.8	2.3	2.0	N/A	1.27	1.07
Lastenia 5	Spanish cedar	*Cedrela odorata*	2022	2025	*Apr-25*	2025	2.7	4.1	3.3	N/A	1.52	1.23

Lastenia 5 - *Dalbergia retusa* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	MAI DBH	MAI Ht
Lastenia 5	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.8	2.0	2.0	1.10	1.07
Lastenia 5	Cocobolo	*Dalbergia retusa*	2022	2025	*Apr-25*	2025	2.7	3.2	3.2	1.20	1.18

Lastenia 5 - *Myroxylon balsamum* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Balsamo	*Myroxylon balsamum*	2022	2024	*Jun-24*	2024	1.8	NA	0.5	N/A	NA	0.26
Lastenia 5	Balsamo	*Myroxylon balsamum*	2022	2025	*Apr-25*	2025	2.7	1.1	1.0	N/A	0.42	0.37

Lastenia 5 - *Swietenia macrophylla* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Mahogany	*Swietenia macrophylla*	2022	2024	*Jun-24*	2024	1.8	1.8	0.7	N/A	0.97	0.37
Lastenia 5	Mahogany	*Swietenia macrophylla*	2022	2025	*Apr-25*	2025	2.7	2.7	1.0	N/A	1.02	0.37

Lastenia 5 - *Tabebuia rosea* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Roble	*Tabebuia rosea*	2022	2024	*Jun-24*	2024	1.8	3.1	3.1	N/A	1.67	1.67
Lastenia 5	Roble	*Tabebuia rosea*	2022	2025	*Apr-25*	2025	2.7	5.7	4.2	N/A	2.14	1.56

Lastenia 5 - *Terminalia amazonia* - 2022

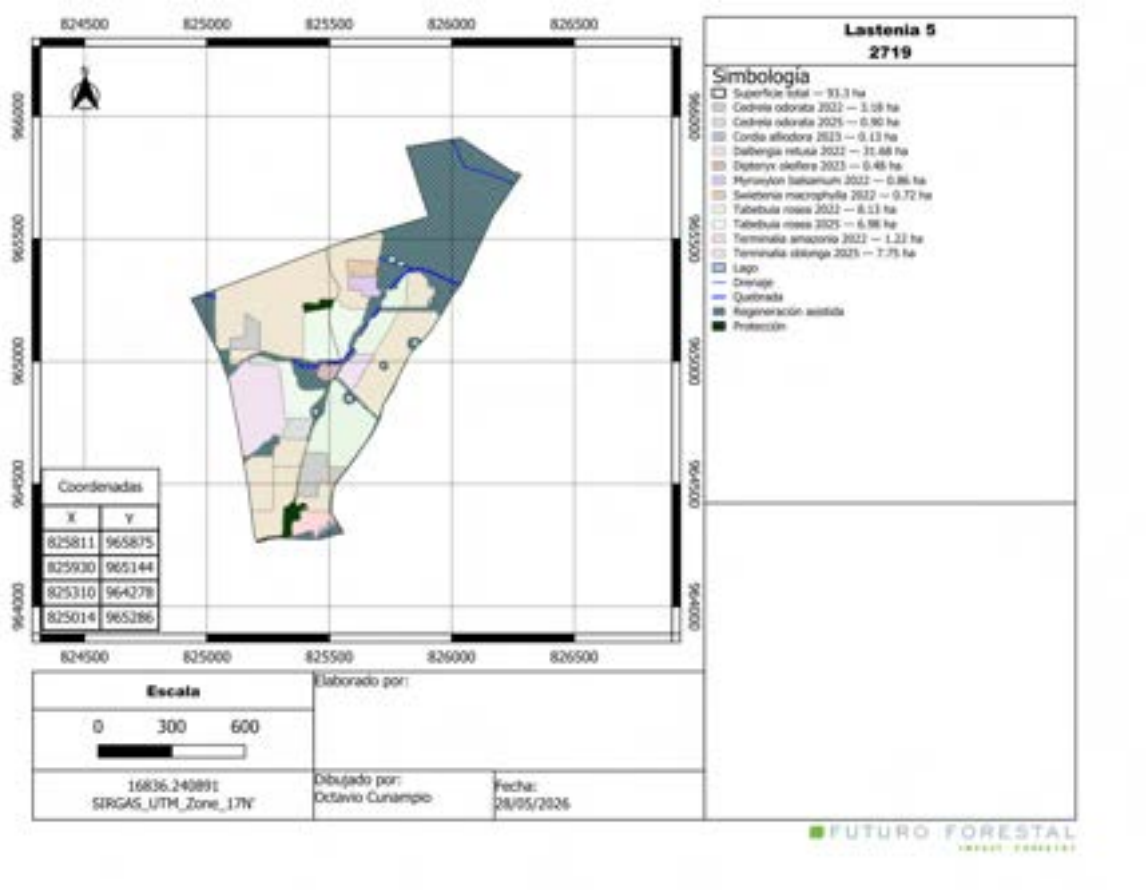
Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Amarillo	*Terminalia amazonia*	2022	2024	*Jun-24*	2024	1.8	1.7	2.1	N/A	0.91	1.13
Lastenia 5	Amarillo	*Terminalia amazonia*	2022	2025	*Apr-25*	2025	2.7	4.1	4.0	N/A	1.51	1.48

Lastenia 5 - *Tectona grandis* - 2022

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.8	5.2	4.7	1.9	2.85	2.58
Lastenia 5	Teak	*Tectona grandis*	2022	2025	*Apr-25*	2025	2.7	11.5	8.9	4.0	4.29	3.32

Lastenia 5 - *Cordia alliodora* - 2023

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Lastenia 5	Laurel	*Cordia alliodora*	2023	2025	*Apr-25*	2025	1.7	2.5	2.8	N/A	1.47	1.63



Map 14. Lastenia 5.

- *Altos del Cristo*

Altos del Cristo - *Dalbergia retusa* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Altos del Cristo	Cocobolo	*Dalbergia retusa*	2023	2025	*Apr-25*	2025	1.7	2.0	2.1	N/A	1.19	1.22

Altos del Cristo - *Tabebuia rosea* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Altos del Cristo	Roble	*Tabebuia rosea*	2023	2025	*Apr-25*	2025	1.7	3.4	2.8	N/A	1.99	1.64



Map 15. Altos del Cristo — Farm 1289.

Nicanor

Nicanor - *Dipteryx oleifera* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Almendro de montaña	*Dipteryx oleifera*	2022	2024	*Jun-24*	2024	1.9	NA	0.4	N/A	NA	0.19
Nicanor	Almendro de montaña	*Dipteryx oleifera*	2022	2025	*Apr-25*	2025	2.7	1.7	1.9	N/A	0.64	0.70

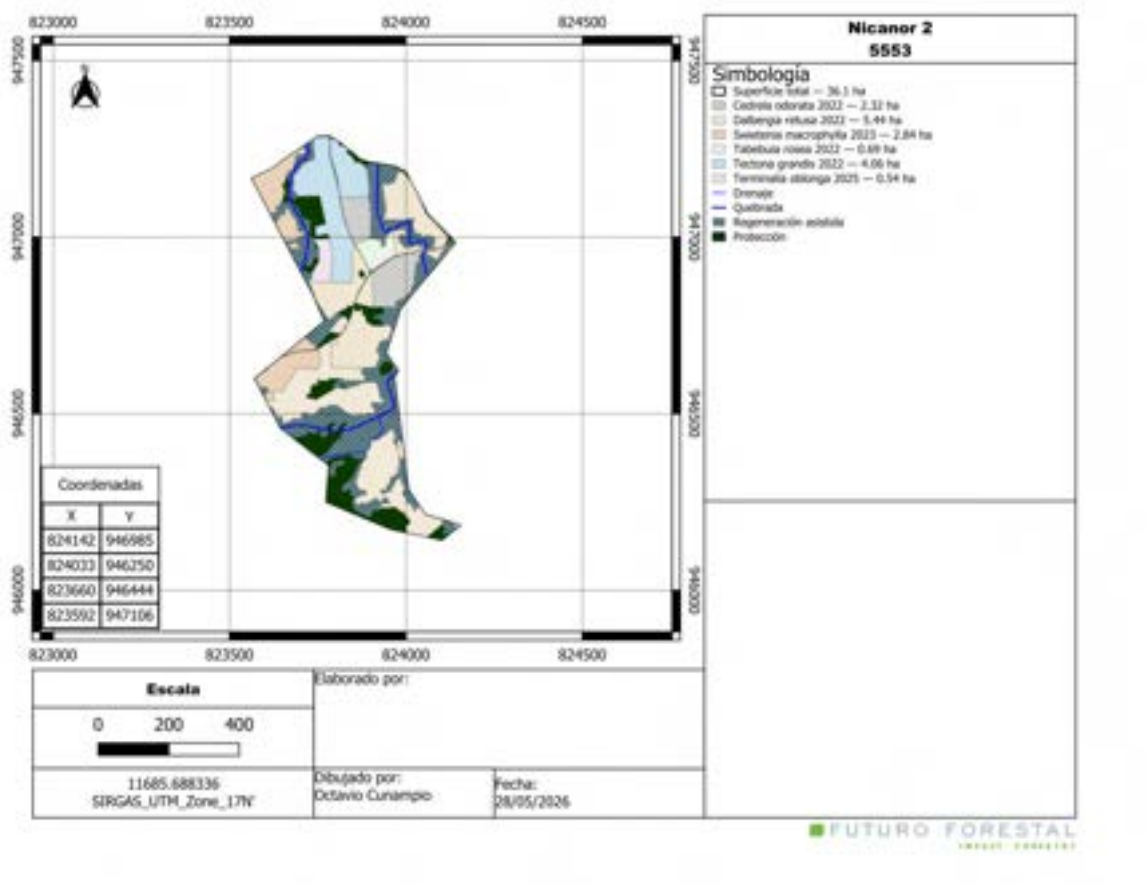
Nicanor - *Cedrela odorata* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Spanish cedar	*Cedrela odorata*	2022	2024	*Jun-24*	2024	1.9	1.6	1.4	N/A	0.88	0.78
Nicanor	Spanish cedar	*Cedrela odorata*	2022	2025	*May-25*	2025	2.8	4.1	3.0	N/A	1.47	1.05

Nicanor - *Dalbergia retusa* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Cocobolo	*Dalbergia retusa*	2022	2024	*Jun-24*	2024	1.9	2.7	2.7	N/A	1.45	1.47
Nicanor	Cocobolo	*Dalbergia retusa*	2022	2025	*May-25*	2025	2.8	4.0	3.9	N/A	1.45	1.42

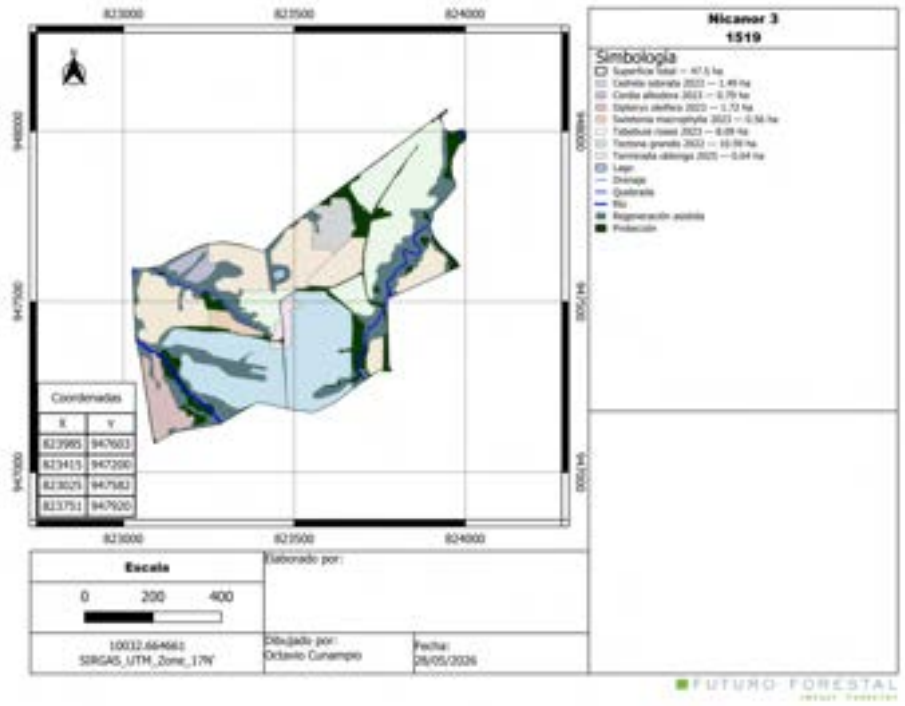
Nicanor - *Dalbergia retusa* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Cocobolo	*Dalbergia retusa*	2023	2025	*Mar-25*	2025	1.7	2.2	2.6	N/A	1.31	1.54

Nicanor - *Tabebuia rosea* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Roble	*Tabebuia rosea*	2022	2024	*Apr-24*	2024	1.7	2.9	1.2	N/A	1.68	0.70
Nicanor	Roble	*Tabebuia rosea*	2022	2025	*Apr-25*	2025	2.7	3.4	2.3	N/A	1.25	0.87

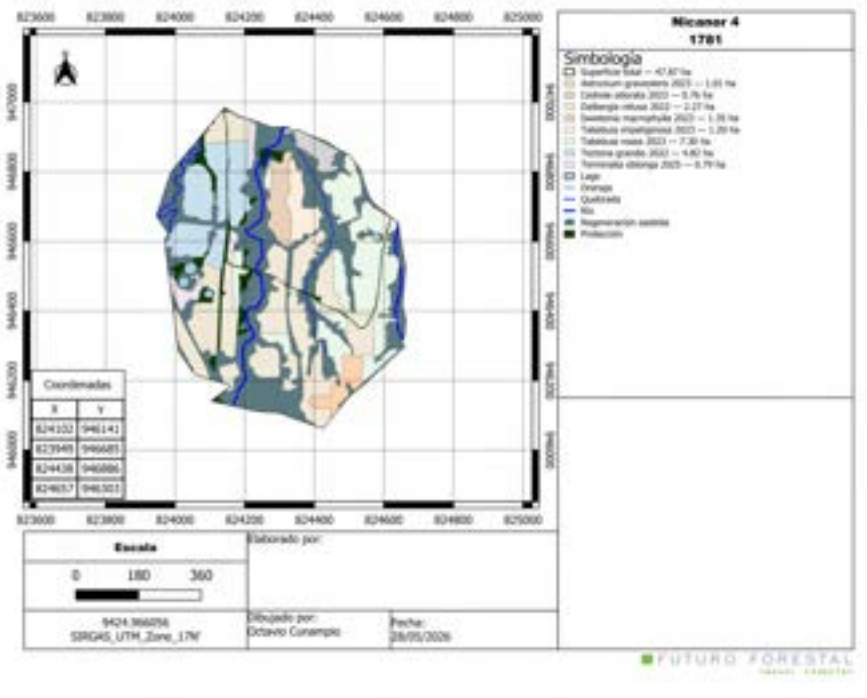
Nicanor - *Tectona grandis* - 2022												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Nicanor	Teak	*Tectona grandis*	2022	2024	*Jun-24*	2024	1.9	5.2	4.9	2.1	2.81	2.64
Nicanor	Teak	*Tectona grandis*	2022	2025	*Apr-25*	2025	2.7	12.3	10.4	4.6	4.58	3.87



Map 16. Nicanor 2.



Map 17. Nicanor 3.



Map 18. Nicanor 4.

- *POA LASTENIA UNIT*

AOP 2025-LASTENIA																											
		January		February		March		April		May		June		July		August		September		October		November		December		Totals	
CODE	ACTIVITY	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
E3	Trail clearing – cut markers	-	-	-	-	-	-	-	-	-	-	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	6
E4	Trail clearing	-	-	-	-	-	-	-	-	-	-	-	-	-	116	-	200	-	129	-	-	-	-	-	-	-	445
E7	Weed control – establishment ring weeding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-	26
E8	Weed control – chemical – backpack sprayer	-	-	-	-	-	-	-	-	-	-	-	6	-	6	-	15	-	1	-	-	-	-	-	-	-	28
E11	Weed control – chemical – motor pump	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-	10
E12	Weed control – manual – machete clearing	-	-	-	-	-	-	-	48	-	243	-	34	-	-	-	-	-	117	-	-	-	-	-	-	-	442
E14	Weed control – spraying assistant	-	-	-	-	-	-	-	-	-	-	-	3	-	8	-	1	-	-	-	-	-	-	-	-	-	12
E18	Marking – stake preparation	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	-	1	-	-	-	-	-	-	-	5
E19	Marking - Collection of stakes	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	5	-	1	-	-	-	-	-	-	-	7
E22	Distribution of plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	29	-	1	-	-	-	-	-	34
E24	Hole digging – manual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	55	-	4	-	-	-	-	-	70
E25	Initial fertilization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	51	-	2	-	-	-	58
E26	Manual planting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	58	-	4	-	-	-	-	-	71
E29	Replanting	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	38	-	27	-	-	-	-	-	66
E34	Marking – staking	-	-	-	-	-	-	-	-	-	-	-	6	-	13	-	17	-	4	-	-	-	-	-	-	-	40
E42	Contractor supervision	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
M1	Weed control – chemical – backpack sprayer	2	4	-	1	423	-	-	-	2	42	4	124	404	145	4	44	12	-	-	51	406	172	2	35	1,259	618

M4	Weed control – chemical ring weeding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	-	7	-	-	-	-	-	17
M5	Weed control – chemical – Playo control	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
M6	Weed control manual – machete clearing	151	-	-	-	-	20	-	16	28	44	-	170	-	151	151	14	-	29	-	9	-	184	-	196	331	833
M7	Weed control manual – maintenance ring weeding	-	49	-	-	-	4	-	9	-	151	-	27	-	52	-	11	-	33	-	109	-	120	-	17	-	582
M8	Weed control manual – vine cutting	28	40	3	34	10	29	122	33	18	22	-	117	11	38	113	27	13	40	-	30	10	19	126	7	455	436
M9	Weed control – mechanical - Guira	-	-	-	-	-	-	-	4	-	7	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	18
M10	Weed control – mechanical – tractor	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
M11	Phytosanitary control – chemical – Hypsipyla grandella	13	24	13	29	13	25	13	23	13	44	13	25	13	34	13	35	13	36	13	46	13	29	13	21	151	371
M12	Phytosanitary control – chemical – fungi	-	1	-	1	-	22	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
M13	Manual phytosanitary control – leafcutter ants	9	-	9	2	9	2	9	4	9	1	9	4	9	6	9	3	9	5	9	7	9	-	9	3	112	37
M14	Manual phytosanitary control – Hypsipyla grandella	17	19	17	21	17	18	17	15	17	31	17	23	17	20	17	16	17	19	17	20	17	8	15	8	199	218
M15	Foliar fertilization	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M16	Granular fertilization	35	-	35	-	35	-	66	-	581	8	35	3	35	10	35	89	35	33	46	31	33	2	33	-	1,003	176
M17	Desuckering	13	-	-	-	4	-	4	1	-	9	13	2	4	-	-	-	4	-	-	-	-	-	-	-	42	12
M18	Formation pruning	340	-	6	48	-	102	-	39	30	-	-	-	-	-	6	-	-	-	-	-	6	-	84	-	472	189
M22	Transport to loading point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2
M25	Straightening of plants	-	-	-	-	-	2	-	2	-	-	-	8	-	27	-	106	-	27	-	42	-	9	-	-	-	223
M26	Clearing	32	7	-	4	-	108	-	55	67	63	-	61	-	116	-	233	-	32	67	20	-	122	-	198	165	1,019
M27	Liming	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M28	Arrangement and inventory of storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

M29	Supervision	-	22	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	26
M30	GPS survey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M31	Training	-	-	-	15	-	-	-	-	-	-	-	9	-	-	-	8	-	-	-	1	-	-	-	-	-	33
M32	Contingencies	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M33	Organic ring weeding	298	22	42	31	6	14	4	-	44	-	43	-	6	-	42	-	45	-	4	30	284	9	6	6	824	112
M34	Transport to worksite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2
M35	Transport of supplies	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
M36	Field irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
M38	Weed control – strip clearing	198	68	169	83	-	310	-	183	221	391	99	205	-	61	1	133	114	158	142	305	97	161	-	34	1,041	2,092
M39	Weed control – chemical strip	-	63	-	21	-	3	-	-	-	14	-	95	-	24	-	7	-	8	-	8	-	-	-	-	-	243
M40	Cocobolo resprout management	41	4	-	-	44	4	-	49	10	124	75	83	-	6	39	72	-	15	44	10	-	2	8	-	261	369
M41	Sucker pruning	-	-	-	-	-	-	-	-	-	9	-	16	-	4	-	5	-	2	-	-	-	-	-	-	-	36
M42	Low pruning	-	-	-	-	-	14	-	2	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	20
M43	High pruning	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M44	Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	5	-	-	-	-	-	-	-	19
M45	Soil conservation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	16
M46	Fire CPC – maintain firebreaks	-	185	-	491	-	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	-	728
M49	Fire CPC – establish firebreaks	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	27
M54	Worker paperwork	-	30	-	44	-	6	-	4	-	105	-	21	-	34	-	26	-	30	-	50	-	37	-	42	-	429
M55	Manual pruning – selection of apex.	-	-	-	5	-	7	-	-	-	5	-	11	-	38	-	39	-	19	-	25	-	2	-	1	-	152

M56	Chemical insect control	-	-	-	-	-	1	-	2	-	14	-	-	-	6	-	13	-	-	-	-	-	-	-	1	-	37
M57	Weed control – manual – brush removal	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
M58	Assistant fumigation	-	-	-	-	-	-	-	-	-	9	-	93	-	77	-	19	-	1	-	-	-	-	-	-	-	199
	TOTAL	**1,177**	**552**	**293**	**835**	**559**	**728**	**234**	**491**	**1,039**	**1,338**	**309**	**1,152**	**498**	**1,017**	**431**	**1,184**	**262**	**969**	**341**	**889**	**874**	**895**	**296**	**607**	**6,313**	**10,657**

Filo del Tallo

Filo del Tallo - *Cedrela odorata* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Filo del Tallo	Spanish cedar	*Cedrela odorata*	2023	2025	*Apr-25*	2025	1.7	5.5	3.6	N/A	3.25	2.11

Filo del Tallo - *Dalbergia retusa* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Filo del Tallo	Cocobolo	*Dalbergia retusa*	2023	2025	*Apr-25*	2025	1.7	2.8	2.5	N/A	1.64	1.48

Filo del Tallo - *Dipteryx oleifera* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Filo del Tallo	Almendro de montaña	*Dipteryx oleifera*	2023	2025	*Apr-25*	2025	1.7	3.0	2.9	N/A	1.80	1.69

Filo del Tallo - *Hieronyma alchorneoides* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Filo del Tallo	Zapatero	*Hieronyma alchorneoides*	2023	2025	*Apr-25*	2025	1.7	1.3	1.5	N/A	0.79	0.87

Filo del Tallo - *Lecythis tuyrana* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**
Filo del Tallo	Coco	*Lecythis tuyrana*	2023	2025	*Apr-25*	2025	1.7	1.0	1.2	N/A	0.59	0.73

Filo del Tallo - *Manilkara zapota* - 2023												
Farm unit	**Common name**	**Scientific name**	**Year planted**	**Cycle**	**Measurement date**	**Year of measurement**	**Age**	**Average DBH (cm)**	**Average Ht (m)**	**Average Hc (m)**	**MAI DBH**	**MAI Ht**

Filo del Tallo	Coco	*Manilkara zapota*	2023	2025	*Apr-25*	2025	1.7	NA	0.6	N/A	NA	0.34

Filo del Tallo - *Swietenia macrophylla* - 2023

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Filo del Tallo	Mahogany	*Swietenia macrophylla*	2023	2025	*Apr-25*	2025	1.7	2.8	2.7	N/A	1.63	1.55

Filo del Tallo - *Tabebuia impetiginosa* - 2023

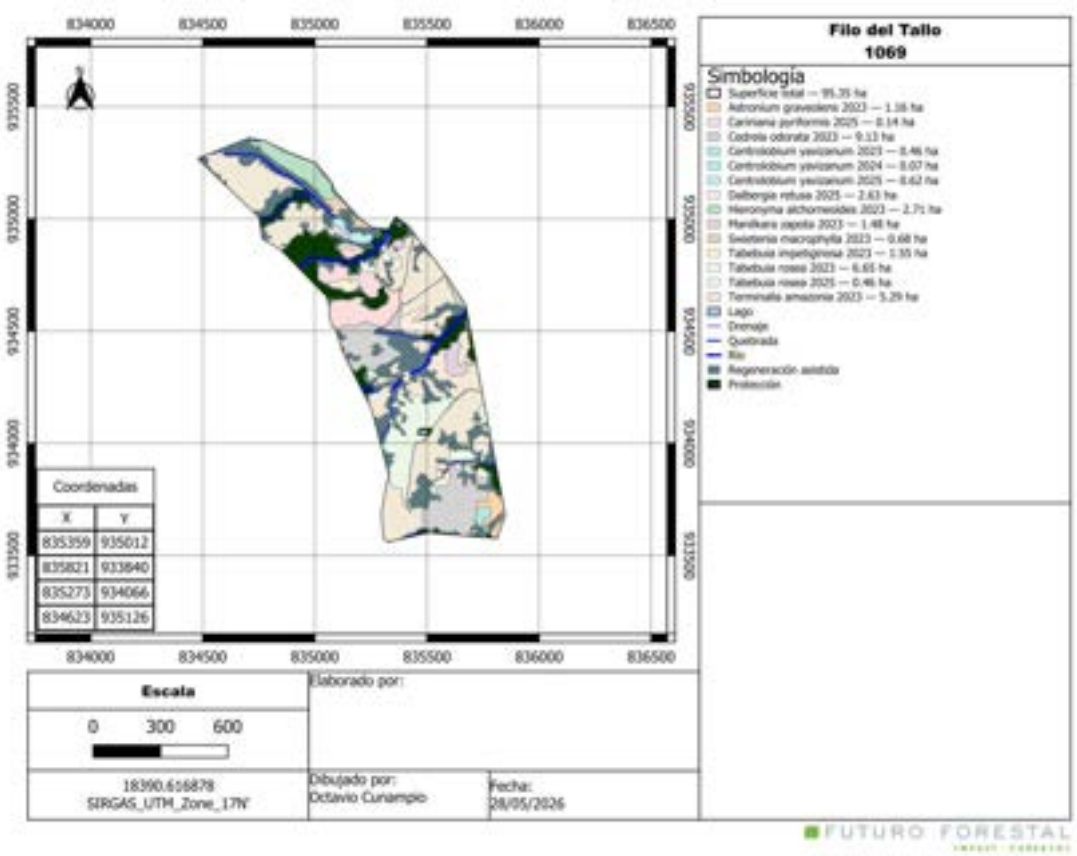
Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Filo del Tallo	Guayacán morado	*Tabebuia impetiginosa*	2023	2025	*Apr-25*	2025	1.7	2.4	2.6	N/A	1.41	1.54

Filo del Tallo - *Tabebuia rosea* - 2023

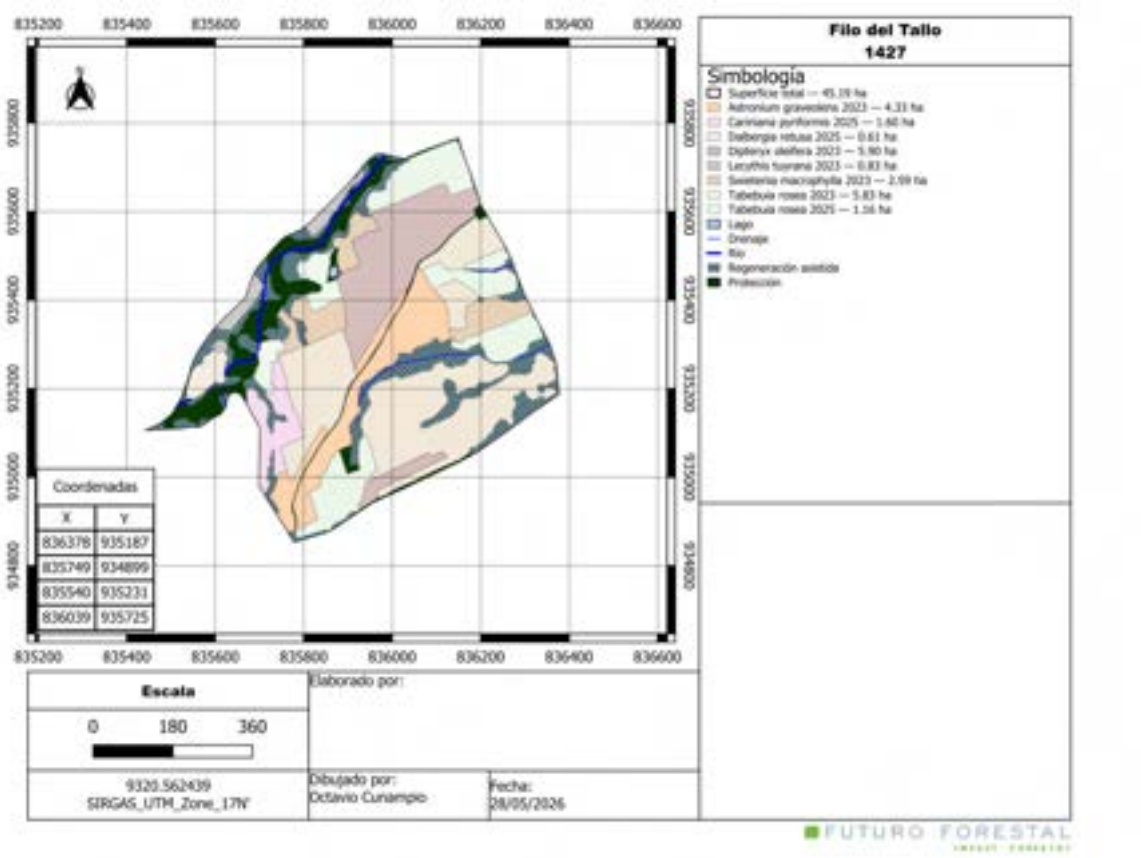
Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Filo del Tallo	Roble	*Tabebuia rosea*	2023	2025	*Apr-25*	2025	1.7	2.0	2.0	N/A	1.19	1.16

Filo del Tallo - *Terminalia amazonia* - 2023

Farm unit	Common name	Scientific name	Year planted	Cycle	Measurement date	Year of measurement	Age	Average DBH (cm)	Average Ht (m)	Average Hc (m)	MAI DBH	MAI Ht
Filo del Tallo	Amarillo	*Terminalia amazonia*	2023	2025	*Apr-25*	2025	1.7	2.3	2.5	N/A	1.34	1.51



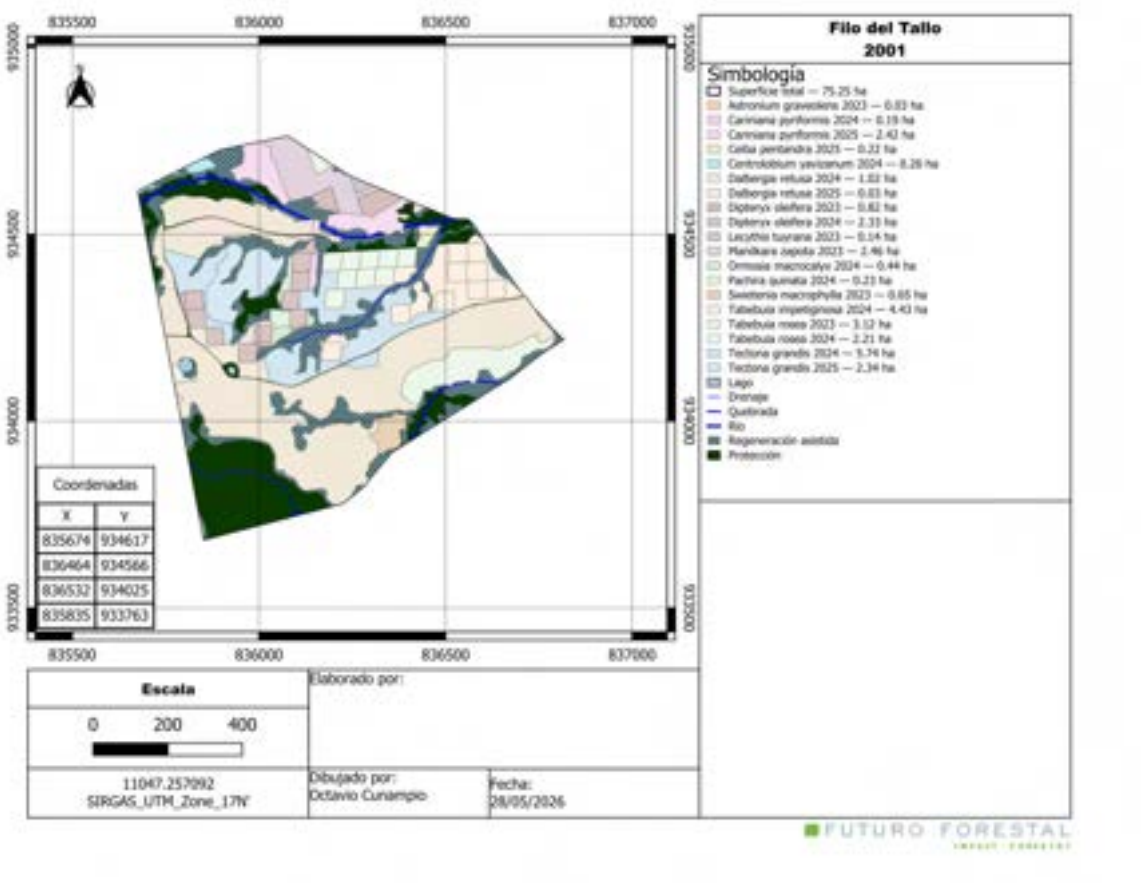
Map 19. Farm 1069 — Filo del Tallo.



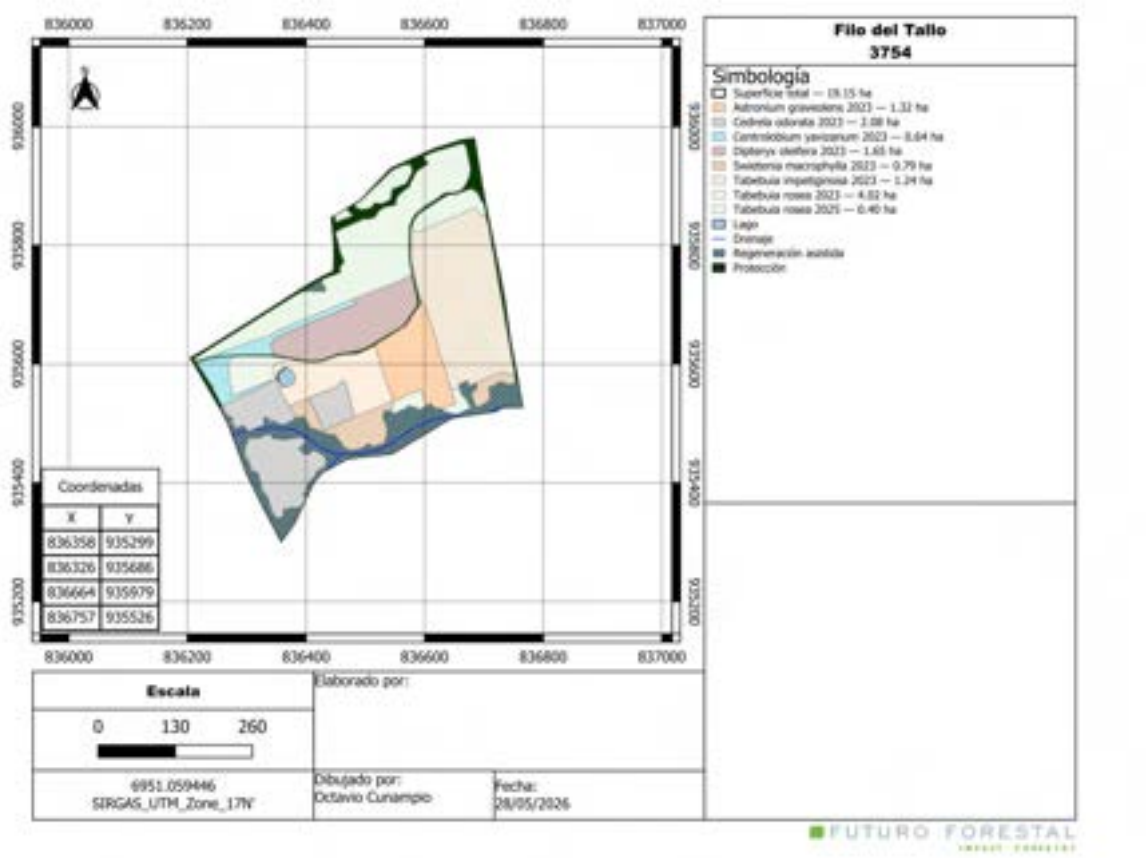
Map 20. Farm 1427 — Filo del Tallo.



Map 21. Farm 1668 — Filo del Tallo.



Map 22. Farm 2001 — Filo del Tallo.



Map 23. Farm 3754 — Filo del Tallo.

- *AOP FILO DEL TALLO*

AOP 2025-FILO DEL TALLO																											
		January		February		March		April		May		June		July		August		September		October		November		December		Totals	
CODE	ACTIVITY	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual	Plan	Actual
E6	Tree clearing	-	-	-	-	76	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	2
E7	Weed control – establishment ring weeding	-	-	-	-	-	-	-	-	-	-	41	-	-	14	-	5	-	24	-	-	-	-	-	-	41	43
E8	Weed control – chemical – backpack sprayer	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4	-	-	-	-	-	-	-	-	-	6
E11	Weed control – chemical – motor pump	-	-	14	-	-	-	11	6	-	10	11	2	-	-	-	-	-	-	-	-	-	-	-	-	36	18
E12	Weed control – manual – machete clearing	-	-	106	-	-	-	91	102	-	9	-	5	-	8	-	8	-	5	-	-	-	-	-	-	196	137
E14	Weed control – spraying assistant	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
E18	Marking – stake preparation	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	9
E22	Plant distribution	-	-	-	-	-	-	-	-	-	-	7	-	-	4	-	-	-	3	-	-	-	-	-	-	7	7
E24	Hole digging – manual	-	-	-	-	-	-	-	-	-	-	13	-	-	3	-	-	-	5	-	-	-	-	-	-	13	8
E25	Initial fertilization	-	-	-	-	-	-	-	-	-	-	8	-	-	8	-	3	-	21	-	-	-	-	-	-	8	32
E26	Manual planting	-	-	-	-	-	-	-	-	-	-	13	-	-	88	-	13	-	38	-	-	-	-	-	-	13	139
E29	Replanting	-	-	-	-	-	-	-	-	-	-	44	-	-	3	6	-	-	15	-	-	1	-	-	-	51	18
E33	Training	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	16
E34	Marking – staking	-	-	-	-	-	-	-	-	33	-	-	10	-	8	-	-	-	-	-	-	-	-	-	-	33	18
E37	Personnel transport	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
E39	Square up plots for marking.	-	-	28	-	31	-	-	-	-	-	-	5	-	4	-	-	-	-	-	-	-	-	-	-	59	9
M1	Weed control – chemical – backpack sprayer	1	9	-	4	-	-	-	-	246	23	-	45	25	41	285	49	25	14	51	77	246	44	-	12	878	318

M4	Weed control – chemical ring weeding	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	7	-	-	-	-	10
M5	Weed control – chemical – Playo control	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
M6	Weed control manual – machete clearing	1	25	-	4	-	24	-	39	-	184	91	174	-	72	91	31	-	32	91	91	-	3	-	79	273	758
M7	Weed control manual – maintenance ring weeding	1	-	-	7	-	2	196	4	5	7	11	2	33	11	48	35	-	53	78	19	-	54	-	5	370	199
M8	Weed control manual – vine cutting	177	12	395	30	334	30	426	6	243	23	500	13	315	28	302	11	368	22	463	4	194	7	292	-	4,007	186
M9	Weed control – mechanical – Güira	-	-	-	-	-	-	199	-	-	2	-	3	182	-	-	-	-	10	175	2	-	-	-	-	556	17
M11	Phytosanitary control – chemical – Hypsipyla grandella	-	6	-	22	-	18	-	5	-	11	-	12	-	7	-	16	-	7	-	8	-	8	-	12	-	132
M12	Phytosanitary control – chemical – fungi	-	-	-	-	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
M13	Manual phytosanitary control – leafcutter ants	9	5	17	-	10	1	10	-	10	5	10	2	10	1	10	3	10	-	10	-	10	-	10	-	126	17
M14	Manual phytosanitary control – Hypsipyla grandella	27	6	38	9	26	8	27	-	26	20	37	-	37	-	37	6	36	3	38	-	36	9	35	-	400	61
M15	Foliar fertilization	-	-	-	-	-	-	-	-	29	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	2
M16	Granular fertilization	-	-	-	-	-	-	-	-	-	-	2,029	-	-	-	894	99	486	-	-	-	-	12	-	-	3,408	111
M17	Desuckering	-	-	-	-	-	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
M18	Formation pruning	13	3	36	28	65	25	13	8	16	1	85	29	66	-	16	-	69	-	66	-	16	26	65	-	525	120
M21	Bucking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
M25	Straightening of plants	9	8	-	-	14	6	-	6	9	45	9	12	12	2	-	26	25	22	-	77	11	12	11	-	100	216
M26	Clearing	-	22	-	88	-	31	-	-	-	-	-	-	-	1	-	-	-	33	-	25	-	31	-	1	-	232
M28	Arrangement and inventory of storage	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
M30	GPS survey	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
M31	Training	-	-	-	-	-	2	-	3	-	-	-	1	-	16	-	-	-	4	-	-	-	-	-	-	-	26

M32	Contingencies	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
M33	Organic ring weeding	138	9	-	6	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	191	-	-	329	18
M37	Contractor supervision	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
M38	Weed control – strip clearing	-	21	-	-	-	159	-	-	-	35	-	36	-	71	-	73	-	14	-	30	-	8	-	10	-	457
M39	Weed control – chemical strip	-	-	-	-	-	-	-	-	57	-	-	5	-	13	58	41	-	23	-	11	56	2	-	-	170	95
M40	Cocobolo resprout management	-	-	-	-	-	7	-	52	-	40	-	6	-	7	-	37	-	2	-	8	-	-	-	-	-	159
M41	Sucker pruning	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
M44	Monitoring	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	14
M47	Fire CPC – mechanical	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
M48	Fire CPC – sweep lanes	-	2	16	79	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	81
M49	Fire CPC – establish firebreaks	87	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	-	-	-	138	63
M54	Worker paperwork	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	6
M55	Manual pruning – apex selection.	16	10	8	16	17	8	2	-	17	5	2	30	19	-	2	17	18	29	2	10	17	6	2	-	117	131
M56	Chemical insect control	-	-	-	-	-	2	3	-	-	-	-	1	-	8	8	-	-	-	-	2	-	4	7	-	17	17
M57	Weed control – manual – brush removal	-	23	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	34
M58	Spraying assistant	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
GC1	Trail	-	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	TOTAL	**501**	**236**	**671**	**300**	**596**	**330**	**1,000**	**240**	**727**	**431**	**2,917**	**419**	**706**	**422**	**1,763**	**509**	**1,044**	**383**	**981**	**371**	**872**	**226**	**429**	**119**	**12,204**	**3,986**

6.2 Preliminary mortality table

Preliminary mortality table and areas under recovery by management unit:

The number of plants indicated in the following table corresponds to those used annually to recover plantations from previous years that showed mortality. In the case of the recovery of the lots planted in 2025, which will be carried out during 2026, the values correspond to an estimate made from random sampling carried out in those lots, in which sampling plots were established to determine the initial mortality and project the number of plants needed for replacement.

	2024	2025
Planted area (ha)	*145.06*	85.74
Plants used for planting	*121 262*	*65 115*
Plants used in recovery		
Abarco (Cariniana pyriformis)	—	478
Almendro de montaña (Dipteryx panamensis)	140	1 366
Amarillo Guayaquil (Centrolobium yavizanum)	980	—
Amarillo (Terminalia amazonia)	—	—
Berbá (Brosimum alicastrum)	—	—
Mahogany (Swietenia macrophylla)	—	—
Caobilla (Tapirira guianensis)	—	—
Coco (Lecythis ollaria)	—	—
Cocobolo (Dalbergia retusa)	490	625
Ebony (Caesalpinia ebano)	—	—
Guachapelí (Albizia guachapele)	—	—
Guayabo charco (Terminalia oblonga)	—	2 033
Laurel (Cordia alliodora)	—	—
Níspero (Manilkara zapota)	—	—
Zapatero (Hieronyma alchorneoides)	—	—
Spanish cedar (Cedrela odorata)	210	48
Teak (Tectona grandis)	69	—
Ron Ron (Astronium graveolens)	—	—
Guayacán morado (Tabebuia impetiginosa)	—	—
Roble (Tabebuia rosea)	1 680	1 306
TOTAL PLANTS USED	**21 216**	**5 856**
Replacement percentage	17,5 %	9,0 %
Recovery year	2025	2026

** The values in the 2026 column correspond to estimates based on random sampling plots carried out in the lots planted in 2025.*

As can be observed, the mortality rate recorded for the plantings carried out during 2025 was 9%, an acceptable value considering that the plant material used comes from native forest and has the natural variability that this entails.

7. Roads, Access and Infrastructure

During the 2025 period, the activities related to roads and internal infrastructure of the properties focused mainly on the basic maintenance of internal access to the farms, given the limited budgetary capacity for major investments. Likewise, maintenance of the staff camps in the various operational units was continued.

7.1 Operational units in Darién

In the operational units in Darién (Claritas, Lastenia, Nicanor and Filo del Tallo), the condition of the public and secondary roads during the rainy season continued to represent a challenge for the entry of vehicles. Coordination with local authorities and neighboring communities was maintained to mitigate localized damage on the most critical sections.

7.2 Colón operational unit

In the Colón unit, the access roads remained in limited condition during the rainy season, given the clayey soil type, the steep slopes and the lack of application of non-plastic material (calcareous tosca or rock) that would allow the stabilization of the route. During the 2025 dry season, basic conditioning work was carried out that facilitated the entry of pick-up type vehicles for the transport of personnel and supplies.

8. Science and Certification

During the 2025 period, the process of monitoring the FSC (Forest Stewardship Council) certification obtained for a group of farms in previous years was continued, as was the silvicultural research program associated with the plots Freiburg in the Filo del Tallo unit. The gradual incorporation of new properties into the scope of the certification remains a strategic medium-term goal, subject to the progressive compliance with the criteria and indicators of the standard.

The research activities focus on monitoring the differential growth between species at different sites, the silvicultural management of mixed plantations and the behavior of native species of commercial use under different schemes of spacing and stand management.

Within the framework of this process, between August 18 and 20, 2025, the first surveillance audit (M1) of the 2025–2030 certification cycle was carried out, executed by GFA Certification GmbH and with a report issued on September 2, 2025. The evaluation was carried out on the group certificate GFA-FM/COC-004187, valid until February 20, 2030, which covers a certified area of 2,153.82 hectares distributed between the provinces of Colón and Darién, and includes the six members of the group under the administration of Futuro Forestal S.A. The field visit covered the La Curva camp and office in Darién and, within the random sampling applied by the auditors, farms 9842 and 8613 of the La Esperanza sector belonging to Waldmenschen S.A. were toured, as well as properties of the members Red Lotus and Brain Forest.

The conclusion of the process was favorable and the certificate remains valid. The report states that the management system of the certificate holder, insofar as it is implemented as described, is capable of ensuring compliance with the requirements of the FSC provisional responsible forest management standard for Panama (FSC-STD-PAN-01-2024) throughout the certified forest area. No recommendations for suspension were issued.

As a result of the follow-up to the 2024 recertification audit, ten of the eleven previously issued non-conformities were closed, including two of the three major non-conformities. The only major non-conformity that remains open corresponds to the soil erosion indicator associated with ecosystem service SE 4.3, which the company chose to voluntarily withdraw from the scope of the ecosystem services certification. The closed findings included the installation of georeferenced complaint boxes at all camps, the establishment of a systematic protocol of cholinesterase tests for personnel handling agrochemicals, and the updating of procedures in the chemical product warehouses and dining areas of the camps.

The 2025 audit left five new minor non-conformities, all with a closing deadline of August 20, 2026. Three of them refer to operational aspects: the lack of seat belts in the vehicles used for transporting workers, the persistence of the machete accident rate (ten cases in 2024 and eleven recorded through July 2025) despite the preventive measures implemented, and the absence of monitoring of drinking water quality at the camp of the Brain Forest member. The remaining two correspond to the use of the FSC trademark in public summaries without the prior approval of the certification body. The group's management has initiated the corresponding action plans for the closure of these findings within the established deadline.

With regard to compliance with procedure FSC-PRO-30-006 on ecosystem services, the audit verified four of the impacts declared by the organization: the restoration of natural forest cover, the restoration of species diversity (biodiversity), the restoration of forest carbon stocks and the restoration of the capacity of the watersheds. The validation was based on the biodiversity studies carried out by the consultant ANCON, on the verification reports under the VCS and CCB standards prepared by ICONTEC for the 2016–2021 period, and on the records of camera traps installed in the management units. This verification is relevant for the traceability of the project's environmental contributions and for the eventual commercial claims of ecosystem services that the organization may issue in the future.

The stakeholder interviews carried out during the audit included neighbors, weed control workers (several of them from nearby indigenous communities), road maintenance personnel and administrative staff. The interviewees expressed no complaints and acknowledged the punctual payment of wages, the availability of personal protective equipment, the periodic carrying out of training, the food conditions and knowledge of the confidential complaint-box mechanism. The report highlighted the absence of negative social impacts, the good perception on the part of communities and workers, and described the training program as complete and periodic. Additionally, the audit team recognized the development of Futuro Forestal's applied research program on more than fifteen native forest species and fifty-four permanent monitoring plots distributed across the group's management units.

9. Cartography and Remote Sensing with Drones

From 2025 onward, the implementation of systematic drone flights over all the farms administered by Futuro Forestal for Waldmenschen S.A. and Forestal Filo del Tallo S.A. began. The objective of this initiative is to generate high-resolution orthophotos that make it possible to obtain a real, detailed and up-to-date image of each property, overcoming the limitations of conventional cartography based on lower-resolution satellite data or desk surveys.

The orthophotos produced through aerial photogrammetry with drones make it possible to identify with greater precision the boundaries of the planted stands, the areas of native forest and natural regeneration, the internal roads, the riparian protection zones, the areas without productive use and other land uses present on each farm. From this information it is possible to update annually the areas corresponding to each use category, improving the quality and reliability of the data reported in the technical reports and in the FSC certification records.

The planted areas reported for 2025, as well as those of previous years, were reviewed and updated through the visual interpretation of the orthophotos generated with this methodology. This retrospective updating process makes it possible to correct inconsistencies accumulated in previous periods and to establish a more accurate cartographic baseline for future monitoring cycles. In this way, the inventory of forest areas will be progressively refined year by year as new flights are incorporated and the images corresponding to each management unit are processed.

One of the additional benefits of this methodology is to create a digital record of the state of the plantations and vegetation cover. This can in the future be a supporting tool in the face of an audit process or of another nature.

The orthophoto corresponding to the Filo del Tallo farm was taken in August 2025. The image makes it possible to clearly appreciate the spatial distribution of the different planted stands, the vegetation zones and the network of internal roads of the farm.



Figure 1. Orthophoto of the Filo del Tallo farm — August 2025. Source: Futuro Forestal S.A.

10. Difficulties and Challenges

During the 2025 period, various operational, technical, environmental and social difficulties were identified that affected, to varying degrees, the execution of the planned activities. The main ones are summarized below by operational unit.

10.1 General

Persistence of outbreaks of Hypsipyla grandella on Cedrela odorata and, to a lesser extent, on Swietenia macrophylla, particularly at sites with young plantations established in recent years. The manual and integrated management of the pest maintains a high labor cost in some units.

Atypical climatic events: episodes of strong winds accompanied by intense rain that caused the leaning of individuals in young plantations, requiring the temporary suspension of some maintenance work to preserve stem quality.

Localized damage on public roads (secondary roads and rural tracks) due to a lack of maintenance of ditches and culverts, a condition that continues to limit access to some farms during the rainy season.

10.2 Filo del Tallo Unit

The availability of skilled labor for maintenance and establishment tasks continued to be the main operational challenge. Staff turnover and the seasonal demand for labor from other agricultural activities in the area generate delays in the execution of the schedule.

10.3 Colón Unit

The conflict with squatters on some farms continued to represent a relevant challenge during 2025, requiring continuous surveillance, especially during the dry months. Coordination with the competent authorities was maintained in relation to the complaints previously filed and patrolling actions were reinforced in the affected sectors.

The conditions of the access road during the rainy season continued to limit the transport of vehicles and supplies, a situation that was partially mitigated through the use of personnel on foot to supply the camp during the critical periods.

10.4 Lastenia, Nicanor and Claritas Units

The main difficulties in these units were associated with: the irregularity of the rainfall regime during the establishment season, which demands greater volumes of water to reach the optimal field capacity; the limited availability of vehicles in operational condition for the simultaneous supervision of the various farms; and the delay in some administrative processes associated with the operation.

11. Conclusions and Recommendations

At the close of the 2025 period, the management of the forest properties of Waldmenschen S.A. and Forestal Filo del Tallo S.A. has maintained a consolidated operation with a total of 1377.74 planted hectares and 477.64 hectares in assisted regeneration, under a management model oriented towards species diversity, environmental sustainability and compliance with FSC certification criteria for the farms progressively incorporated into the scope.

On the basis of the year's observations and results, the following management and silvicultural recommendations are formulated for the following operational cycles:

- Maintain and reinforce the recovery plan for areas affected by fires, pests and initial mortality, with emphasis on substitution with species adapted to the site and of high commercial value.
- Sustain the strategies of detection, surveillance and control of forest fires in all the operational units, particularly in the perimeter areas and in proximity to the Colón farms.
- Continue the progressive improvement of the infrastructure and conditions of the camps to ensure better living and working conditions for the field staff.
- Follow up on the legal process and coordination with authorities in relation to the squatter conflict in the Colón unit, as well as improve the conditions of the camp and the availability of a vehicle assigned for emergency response.
- Rehabilitate critical sections of the internal roads and fords that facilitate the control and supervision of field activities.
- Ensure sufficient means of transport (vehicles, motorcycles) for the mobilization and supervision of the activities, particularly on the Lastenia and Nicanor farms.
- Maintain the continuous training program in specific silvicultural management practices (pruning, shoot removal, apex management and selection of candidate trees for thinning), involving all technical and field staff.
- Consolidate the dasometric monitoring system based on the PPM, ensuring the representativeness of the species and years of planting, and linking the results with the annual silvicultural planning.
- Advance the gradual incorporation of additional farms into the scope of the FSC certification, according to the progressive compliance with the criteria of the standard.

Annex. Glossary of Silvicultural Activities

Below is a summary of the main silvicultural activities referred to in the report, with their operational definition:

Activity	Description
Weed control	Removal of vegetation competing for light, water and nutrients.
Maintenance ring weeding	Clearing with a machete within a radius of approximately 1 m around the tree.
Strip clearing	Removal of vegetation in the planting strips.
Cutting of vines and lianas	Removal of climbing plants over the planted trees.
Apex management	Selection and removal of secondary apices, mainly in T. amazonia.
Clearing	Cutting of branches of shrubs that cast high shade over the trees.
Pruning	Removal of low branches to form a clean commercial stem.
High pruning	Removal of branches above 7 m in height.
Shoot removal	Removal of basal resprouts and suckers.
Manual hole digging	Opening of holes for the planting of the seedling.
Lime application	Regulation of pH when the soil presents values below 5.
Fertilization	Application of fertilizers according to the requirements of the site.
Replacement	Replanting of individuals lost during the first establishment cycle.
Soil conservation	Construction of physical barriers to reduce water erosion.
Firebreaks	Perimeter clearing of ~8 m wide for fire prevention.
Surveillance	Permanent patrolling with emphasis on the dry season.
Monitoring	Measurement of DBH, height and growth in the PPM.
Control of Hypsipyla grandella	Manual management of the pest on species of the Meliaceae family.
Control of leafcutter ants	Manual application of Mirex bait and continuous patrolling.

Table 80. Glossary of silvicultural activities carried out on the properties.