Estamos convencidos de la importancia de preservar y recuperar espacios naturales mediante la siembra de árboles

PLANTING TECHNICAL SHEET

GENERAL INFORMATION

Donor:	**ONE TREE PLANTED, INC.**	**ID number:**	**46-4664562**
Planting Date:	**2023-05-15**	**Planting Number:**	**918**

OBJETIVE

Accomplish reforestation processes in environmentally important areas within the Rionegro municipality by planting 987 trees with the support of the company ONE TREE PLANTED.

LOCATION

Rionegro is a municipality in the department of Antioquia, which has an average temperature of 17°C, with an approximate annual precipitation of 2200 mm, and is located at an elevation of 2125 meters above sea level. The life zone the property is located corresponds to the Lower Montane Moist Forest (bh-MB). These forests are of great importance as they act as transition zones between lowland ecosystems and mountain ecosystems. They are home to a great diversity of birds and plants, protect water sources, prevent erosion, and consequently, mountain landslides. The land use in this area is predominantly dominated by agricultural activities that were carriedout in the past, making it necessary to undertake reforestation processes to restore forest cover.

Longitude:	Latitude:
-75.395146	6.1427056
-75.3939994	6.1433804
-75.3931998	6.1450763
-75.3922071	6.1446123
-75.3914582	6.1437732
-75.3912972	6.1440226
-75.3907812	6.143462

Departament: Antioquia	City: Rionegro	Area: El Porvenir

PLANTING DESIGN

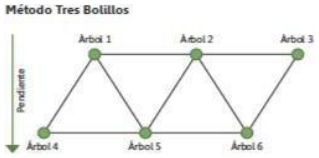


Imagen 2: Diseño de siembra tresbolillo (Gutiérrez, 2011)

The triangular planting system (known as “Tres bolillo” in Spanish) consists of trees in groups that form an equilateral triangle every three individuals. This system is used in our planting sessions because it allows the tree to grow well without becoming a competition for resources with other planted trees, as well as providing considerable abundance on a given piece of land.

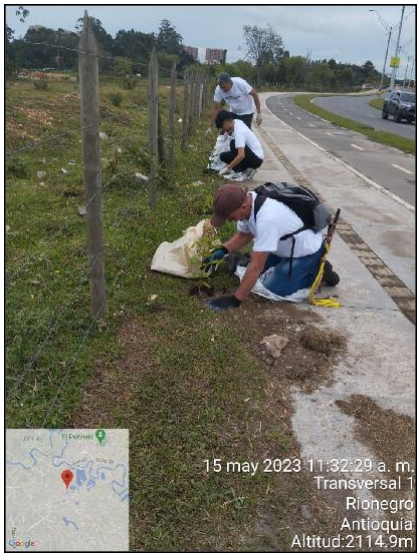
PLANTED SPECIES

Common Name:	Amount:	Ecological Importance:
Guamo	**246**	**Species of fast growth with a deep root system, which helps control. erosion and protects degraded soils. It is also a nitrogen-fixing species that nourishes the soil and assists other species. It grows along stream banks, channels, and rivers, providing protection to them. This tree is used as shade for coffee plantations and is edible, as the aril surrounding the seed is sweet and fleshy. It is consumed by humans, birds, and mammals.**
Suribio	**247**	**Species that helps improve soil quality, increase water retention, and reduce soil erosion. Its roots help to loosen compacted soil and enhance its infiltration capacity. It is a nitrogen-fixing species, thus contributing to the proliferation of other species. This can help mitigate the effects of droughts and floods, which are expected to increase with climate change.**
Guayacán Amarillo	**247**	**Due to its fast growth, Handroanthus chrysanthus is a species widely used in restoration processes because of its rapid growth and easy adaptation to terrains with challenging soil characteristics. It is also regularly planted to stabilize riverbeds due to the strong anchoring of its roots, which act as a barrier to prevent floods.**
Quiebrabarrigo	**247**	**Species that grows in deep, well-aerated soils with good drainage, tolerating acidic pH values and low levels of phosphorus and other elements traditionally associated with low-fertility tropical soils. It is a melliferous species that attracts insects (ants and bees) and avifauna (hummingbirds). It is a fast-growing species, especially useful for protecting water sources and improving the properties of eroded soils.**

ENVIRONMENTAL CONTRIBUTION AND OBSERVATIONS

The planted trees are of great environmental support since they help to create homogeneity in the plantation site and attract pollinators and dispersing fauna, which give continuity to the reforestation process. Also, with their roots, they prevent landslides and act as a barrier, retaining sediments and preventing pollutants from reaching the rivers and streams in the area. Similarly, these trees help to create a layer of organic matter in the soil, which protects the fauna associated with the ground.

PHOTOGRAFIC RECORD



Prepared by: Valentina Munar Torres	**Approved by: NICOLE**

CARRERA 12 N° 96-81
Of. 401
https://www.reddearboles.org/

Environmental Department **Contact**
administracion@reddearboles.org
3007570862