

EUCALYPTUS DUNNII



Instituto Nacional de
Tecnología Agropecuaria

Secretaría de Agricultura,
Ganadería y Pesca



Ministerio de Economía
Argentina

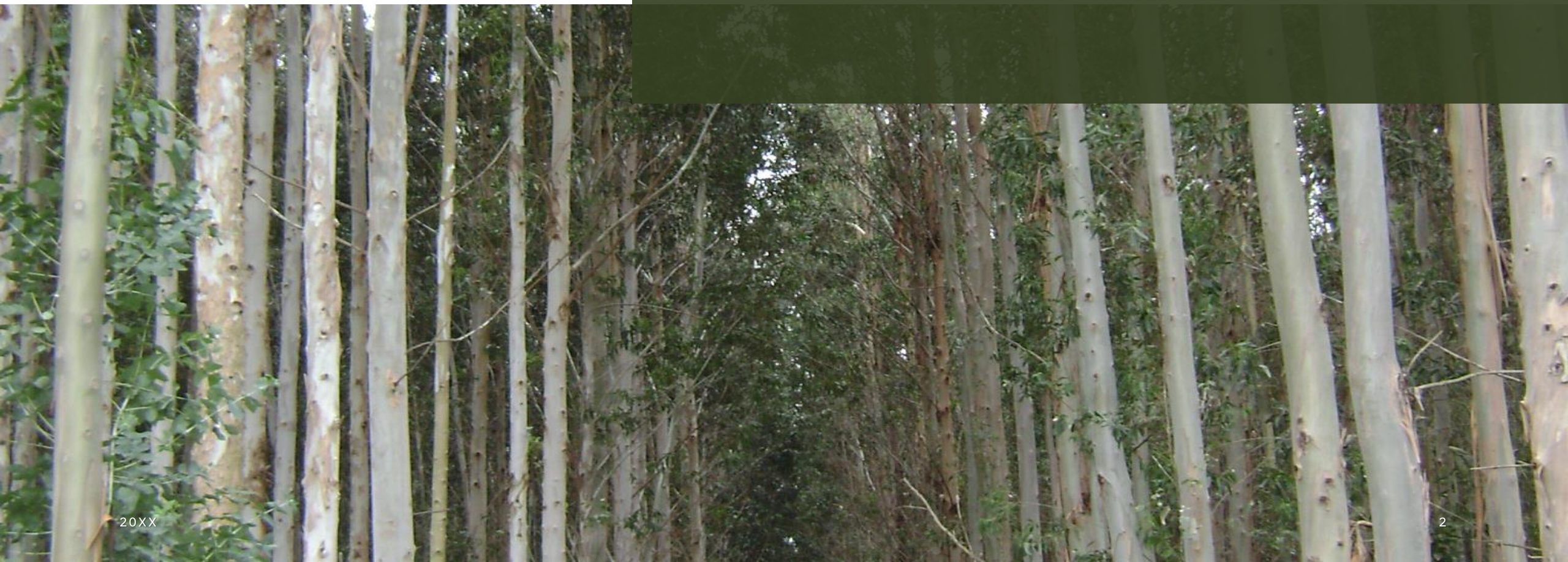


CIRN

CENTRO DE INVESTIGACIÓN
DE RECURSOS NATURALES

FORESTRY GROUP OF THE IRB-CIRN OF INTA

The National Institute of Agricultural Technology (INTA) owns a Genetic Breeding Program for Eucalyptus dunnii (E. dunnii). This genetically improved seed has been marketed since 2016 by INTEA S.A. (Agricultural Technology Innovations S.A.).



EUCALYPTUS DUNNII



SPECIES



Eucalyptus dunnii was introduced in Argentina at the end of the 70s because of its frost-tolerance and its ability to combine good growth and stem straightness, with wood suitable for pulping.

The E. dunnii program began in 1991 with seven trials installed in different regions of Argentina.

75 families were evaluated: 63 families of four origins in New South Wales (Australia), and twelve families from superior mother trees that belonged to plantations in Oliveros, Santa Fe Province (Argentina).

Multiple variables such as diameter (DBH), wood density, health and stem straightness were evaluated.

Subsequently, part of the population was genotyped and new variables measured by Near-Infrared Spectroscopy (NIR) were included. INTA working testing the second breeding generation.

Seed Orchards

This seedling seed orchard (SSO) was registered at the National Institute of Seeds (INASE) in 2002 and it is formed from the genetic selection based on growth, stem straightness, and basic wood density.

HSP 214B

It produces and markets its different products: INTeA S.A.



- It is made of 134 genotypes from an original population of 960 individuals, that were part of 60 families from four Australian and one Argentinean origin.
- The estimated genetic gains are 21.6% for growth, 33.14% for form, and 3.35% for density. This source provides improved seeds for markets such as the Provinces of Buenos Aires (PBA), the south of Entre Ríos, and Misiones, as well as foreign markets like South Africa, Spain, and Uruguay.
- It has also been evaluated by the Forestry Research and Studies Institute (IPEF) in southern Brazil with excellent results.



Location: Del Valle, Province of Buenos Aires. Altitude: 83 meters above sea level – Precipitation: 900 mm/year.

It produces and markets its
different products: INTeA S.A.



HSC 217

- This clonal seed orchard (CSO) was created in 2002 and it is made of clones of nineteen superior individuals selected based on growth [PSP1] [VV2] and stem straightness from commercial plantations in Oliveros, south of Santa Fe Province.
- Using this genetic base, commercial plantations have been established in the Provinces of Jujuy, Córdoba, La Pampa and Buenos Aires.



Location: CNIA-INTA, Hurlingham. Altitude: 10 meters above sea level – Precipitation: 1000 mm/year.

It produces and markets its different products: INTeA S.A.



HSC 216

- This clonal seed orchard (CSO) was created in 2004 from grafts of 27 superior individuals selected due to their volume and form, from INTA's HSP 214 B (progeny seed) orchard and from progeny trials in Ramallo.
- Since 2006, it has provided improved seeds for commercial plantations in the center and north of Buenos Aires Province, as well as supplying Uruguay with seeds for board manufacture [PSP3] [VV4] and cellulose pulp.



Location: CNIA-INTA, Hurlingham. Altitude: 10 meters above sea level – Precipitation: 1000 mm/year.

It produces and markets its
different products: INTeA S.A.



HSC 294B

- This clonal seed orchard (CSO) was created in 2010 from multiplication by grafting the 25 best individuals, based on growth and form, from the provenance and progeny trial located in Ubajay, Entre Ríos Province (-31°47' S, 58°19' W), supplying nurseries and companies situated in the provinces of Entre Ríos and Misiones as well as those in Uruguay since 2015.



Location: CNIA-INTA, Hurlingham. Altitude: 10 meters above sea level – Precipitation: 1000 mm/year.

It produces and markets its different products: INTeA S.A.



- This seed stand was implanted in 1999 from a seed originating from Moleton (New South Wales, Australia), as it was proven that this origin provides good growth.
- This is the reason why, in 2019, it was registered at INASE as a Seed Stand.

RS 458



Location: CNIA-INTA, Hurlingham. – Altitude: 10 meters above sea level – Precipitation: 1000 mm/year.

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COMMERCIALIZATION

INTeA S.A. produces and markets the improved seed in its different products:



<https://www.intea.com.ar/eucaliptus/>



PRODUCTS

- Bulk of pure pelleted seed
- Pure Seed Bulk
- Bulk of Concentrated Seed
- Seed Bulk with paraphysis
- Bulk of select families

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