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Semillas y Bosques Mejorados S.A.



Catalog of Available Seeds

Certified teak (*Tectona grandis*) and gmelina (*Gmelina arborea*) seed

Calidad Genética (Genetic Level)	Especie (Specie)	Procedencias (Provenances)	# Árboles Semilleros (Mother Trees / ha)	Altitud msnm (Altitude masl)	Precipitación (mm/año) Rainfall (mm/yr)	Meses Secos Dry months	Viable Seeds by kilo	Ger (%)	Produccion Annual (Annual production)
Rodal Semillero (Seed Stand)	<i>Tectona grandis</i>	Peñas Blancas, CR Ocho Rodales (Eight Seed Stand)	140 - 200	70 - 130	1800	5.0	1081-1400	63 - 82	24 315
Rodal Semillero (Seed Stand)	<i>Tectona grandis</i>	Nambi, Costa Rica	162	20	1829	5.0	1292	56 - 72	1 300
Rodal Semillero (Seed Stand)	<i>Tectona grandis</i>	Perlis, Taliwa, Malaysia	63	40	2700	--	500 - 600	40 - 60	--
Rodal Semillero (Seed Stand)	<i>Tectona grandis</i>	Santa Marta, Costa Rica	112	136	1839	6.0	1 450	60 - 75	1 000
Rodal Semillero (Seed Stand)	<i>Tectona grandis</i>	Río Tabaco, Costa Rica	200	50	1300	6.0	1 400	60 - 78	1 200
Rodal Semillero (Seed Stand)	<i>Gmelina arborea</i>	Hojancha, Costa Rica	190	320	2232	5.0	1632	56 - 72	1 200
Rodal Semillero (Seed Stand)	<i>Gmelina arborea</i>	Santa Rosa, Costa Rica Huerto Semillero	277 (36 clones)	100	3500	1.0	1512	56 - 80	300
Huerto Semillero (Seed Orchard)	<i>Gmelina arborea</i>	Buenos Aires, Costa Rica Cuatro Huertos (Four Seed Orchard)	80 - 100 (22 a 33 clones)	130	3000	1.0	1566 - 1785	80 - 85	3500
Huerto Semillero (Seed Orchard)	<i>Tectona grandis</i>	Kiroka, Tanzania	204	300	926	6-7	1200	50 - 60	--



In the table above, you will find ecological and physical quality data for lots of seeds obtained from Seed Stands (SS) and Seed Orchard (SO) as well as an estimate of the annual production capacity of these seed producing areas. Costa Rica is the only Central American country that, since 1994, has a Forest Seed Certification Program for teak (*Tectona grandis*) and gmelina (*Gmelina arborea*), implemented by the Costa Rican National Seed Office (NSO) (www.ofinase.go.cr)



When you acquire seed from our company, you not only obtain information regarding its genetic and physical quality, but also a "certificate of origin and of physical quality" from the NSO that certifies the quality of our seeds. The NSO also keeps a backup sample for its reference

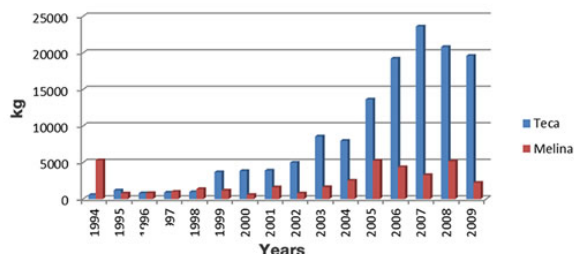
Calidad Genética (Genetic Level)	Especie (Specie)	Procedencias (Provenances)	Altitud msnm (Altitude masl)	Precipitación mm/año Rainfall (mm/yr)	Meses Secos Dry months	Semillas por kilo Seeds by kilo	Ger (%)
Fuente Seleccionada	<i>Pinus caribaea var hondurensis</i>	Honduras, Tierra Blanca	200-600	1234	4.0	46,000	90
Fuente Seleccionada	<i>Pinus caribaea var hondurensis</i>	Honduras, Pto Cortéz, Mañarón	200-415	1373	4.0	55,000	88
Fuente Seleccionada	<i>Pinus caribaea var hondurensis</i>	Honduras, Sta Cruz Yojoa	400-680	2700	2.0	45,000	83
Fuente Seleccionada	<i>Pinus caribaea var hondurensis</i>	Yoro, Honduras	400 - 650	1050	5.0	52,009	76
Fuente Seleccionada	<i>Pinus tecunumanii</i>	Nicaragua y Honduras	1000-1500	1100 - 1900	--	55,000	80-90
Fuente Seleccionada	<i>Pinus oocarpa</i>	Honduras, Zambrano	1500	1335	4.0	47,000	86-92
Fuente Seleccionada	<i>Pinus oocarpa</i>	Honduras, Siguatepeque.	1080	1101	4.5	50,000	80
Fuente Identificada	<i>Cedrela odorata</i>	Costa Rica y Honduras	100 - 650	18 29 - 1101	--	57,500	93
Fuente Identificada	<i>Cedrela odorata</i>	Santa Barbara, Honduras	600	1234	--	56,700	93
Fuente Identificada	<i>Swietenia macrophylla</i>	Lancetilla , Honduras	60	2516	--	1,800	89
Fuente Identificada	<i>Swietenia macrophylla</i>	Tegucigalpa, Honduras	1007	908	--	2,000	83
Fuente Identificada	<i>Swietenia humilis</i>	Comayagua, Honduras	550	1130	--	1,800	91

Note: 1 If you seek a species not found on these lists, please consult us and we will make every effort to acquire it for you.



Five-year-old *Gmelina arborea* plantation, with a height of 26 m and 25 cm at dbh and an average annual increment of 30 m³/ha/year established with seeds from the Seed Orchard (SO). According to W.S. Dvorak , G.R. Hodge et al and Jesús A. Espinosa, all cited in the New Forests Journal, Volume 28 Nos. 2 - 3, of September 2004, this seed from the XA Garden was the best in all of the trials and countries evaluated.

Costa Rica exports certified seed



Since 1994 Costa Rica has exported over 175 thousand kilos of scarified and certified teak and melina seed (www.ofinase.go.cr)