

WHERE TO GET TREE SEEDS

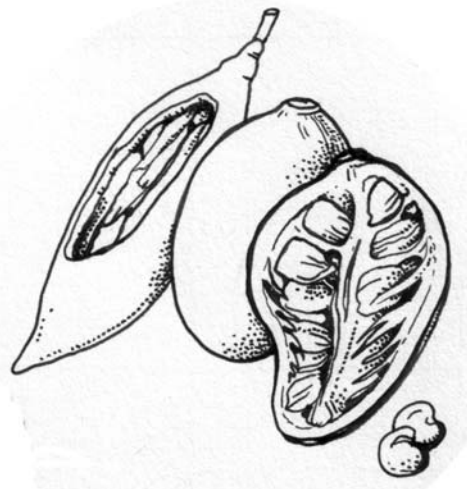
What is this Action Sheet about?

If you would like to plant a particular tree species but cannot find seeds or cuttings locally, then this Action Sheet may help by listing the addresses of organisations which supply tree seed.

What should we consider before ordering tree seed?

The World Agroforestry Centre has the following important advice:

Before ordering seed, check whether the species is allowed into your country. If the species is listed as a weed or invasive species, there may be laws against transporting it into the country. To avoid contributing to the destruction of natural wild habitats, it is important not to encourage the spread of invasive weedy exotic plants. There are also strict laws on the safe transport of plant material, and measures must be taken to avoid transport of pests and diseases associated with seeds.



What else does the World Agroforestry Centre say about ordering seed?

Order the seed well ahead of the time you need it. This is important because....

....suppliers may not have stock of seed of the type of tree you want to plant, or existing stock may not be sufficient if you are ordering in large quantities

.... you need to take into account the time interval needed to raise seedlings ready for field planting

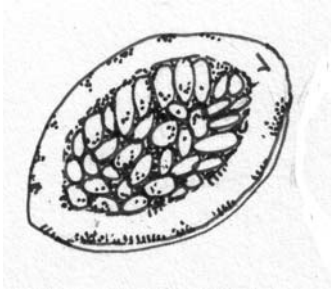
....if you are ordering seeds for a nitrogen fixing tree, you may also need to order microsymbiont inoculum. If so, you should also make this order as early as possible

....many species flower and produce seeds at irregular intervals (not every year) and only in variable amounts. If the supplier knows your requirements in advance, then corresponding collections can be made

- However, some seeds do not store easily, and it is important to make sure you receive the seeds close enough to the time of planting so they do not lose their fertility.

Give the supplier full details of the seeds you want:

- Whether you are looking for a particular taxon, species, subspecies, variety, or population (provenance), indicate precisely which seed you need. Different provenances of seed will be adapted to different soil and climate conditions. Ask the supplier to send documentation on the available populations (provenances) of a species, or ask the supplier to select the right provenance based on your needs



- If a specific type of collection other than bulked seed is required (for example, single tree collections or collections from selected trees), ask the supplier if such material is available.

Give the supplier full details on the proposed planting site and the purpose of planting if you need assistance in selecting material.

Tell them the:

- Location (for example latitude, longitude, altitude)
- Climate (for example mean annual rainfall, rainfall regime, length of the dry season, mean maximum temperature and humidity of hottest month, mean minimum temperature of coldest month, mean annual temperature and humidity, occurrence of frost and snow)
- Soil (for example broad classification, approximate soil depth, texture, drainage, pH, salinity)
- Has the taxon already been planted on the site? If yes, give details of the material already introduced if known (supplier/population/origin/provenance) and give an indication of its adaptability and performance
- Other species planted or growing at or around the site
- End uses: What is the objective of the planting and what types of products or services are expected? For example, timber, fuelwood, construction poles, fodder, food, gums, medicinal products, soil stabilization, watershed protection, shelterbelts, windbreaks

Give the supplier practical details:

- Correct address with all available details (street, town, country, fax, e-mail)
- Information on most reliable shipping method and routing
- Quantity of seedlings or number of viable seeds required
- Proposed period of field sowing
- If storage facilities are available or not

Request the supplier to send you the following information:

- Confirmation that the taxon required is available
- Confirmation that the quantity required is available
- The date when the seeds will be ready for dispatch
- Information on any special seed order or request form to be used
- Price of the seeds, mode of payment and any advance payment required. For seed available free of charge, ask how you qualify to receive it
- Biosafety issues - is information provided with the seed?
- Documentation on: collection site location, collection site description, collection method (including approximate number of sampled trees), date of collection
- Information on any storage requirements and pretreatment needed

Return the completed seed order or request form (if it is required) as soon as possible:

- Repeat the details about your seed requirements
- Ask for a phytosanitary certificate to be issued together with the seed.

Countries whose governments have signed up to the International Plant Protection Convention carry out inspection and treatment of seeds and other plant material being transported between countries. This is to ensure that pests and diseases are not transported along with plants and plant products. The phytosanitary certificate is an assurance that the tree seeds have been inspected and treated according to your country's laws.

- Make an advance payment if required

After receiving seeds:

- Take all needed precautions to secure that you introduce the germplasm safely
- Acknowledge receipt
- Arrange for payment (if required)
- Follow the instructions on seed storage and pretreatments, where applicable
- File and safeguard the documentation provided with the seeds, and of the use and performance of the material. This information is essential for ordering additional seeds of a taxon, or for reporting trial results
- Keep the supplier informed on the performance of material and any problems encountered in seed germination, seedling establishment or with pests and diseases

SEED SUPPLIERS

Angola

National Director of Forestry
Direccao Nacional da Conservacao da
Natureza
ZA-CX Postal 74 Luanda
Angola
Tel: (244-2) 320-393
Fax: (244-2) 343-003

Botswana

Division of Forestry and Range Ecology
Ministry of Agriculture
Private Bag 003
Gaborone
Botswana
Tel: (267) 350-513/305-253
Fax: (267) 356 027/359-934

Tree Seed Officer
Forestry Association of Botswana
PO BOX 2088
Botswana
Tel: (267) 351-660
Fax: (267) 300-316

Burkina Faso

Centre National De Semences Forestieres
C.N.S.F
01 BP 2682
Ouagadougou 01
Burkina Faso
Tel: (226) 35 80 13, 35 61 11
Fax: (226) 35 61 10
E-mail cnsf@fasonet.bf
Website:
http://members.spree.com/business/cnsf_bf/

Ethiopia

Forestry Research Center
PO Box 30708
Addis Ababa
Ethiopia
Tel: (251-1) 182982, 184957
Fax: (251-1) 612933

Kenya

Ebukura Tree Seeds Plants
P.O. Box 116 Shivuli via Kakamega or
P.O. Box 71118 Nairobi
Kenya
Tel: (254/2) 787169
Fax: (254/2) 787169
E-mail: ebukura@betsy.africaonline.com

Indigenous Technical Knowledge
Initiatives for Sustainable Agriculture and
Environment (ITKISAE)
P. O. Box 421 Busia OR
P. O. Box 72620 Nairobi
Kenya

Kenya Forestry Seed Centre
PO Box 20412
Nairobi
Kenya
Tel (254-154) 32484, 32893
Fax (254-154) 32844

Lesotho

Forestry Research Centre
Forestry Division
PO BOX 774
Maseru 100
Lesotho
Tel: (266) 324-416/312-826
Fax: (266) 310 349

Malawi

Forest Research Institute of Malawi
PO BOX 270
Zomba
Malawi
Tel (265) 522-866/548
Fax: (265) 522 782

FSTCU

Desk Officer
Forestry Sector
Technical Co-ordination Unit
Malawi
Tel: (265) 781-000/781-812 Fax: (265)
784 268

Mozambique

Seed Centre Manager
Forestry Research Centre
Ministerio da Agricultura-DNFFB
CP 1406
Maputo
Mozambique
Tel: (258-1) 460-097/9
Fax: (258-1) 460-060

Centro de Experimentacao Florestal -
Marracuene
Mozambique
Tel (258-1) 430808
Fax (258-1) 460060
E-mail antonia@ribeiro.uem.mz

Namibia

Directorate of Forestry
Private Bag 13184
Windhoek
Namibia
Tel: (264-61) 221-671/478
Fax: (264-61) 222 830

National Tree Seed Centre
Directorate of Forestry
Private Bag 13346, Windhoek,
Namibia
Tel (264-61) 221671, 221478
Fax (264-61) 222830
E-mail Muller@forestry.met.gov.na

Niger

Centre des Semences Forestieres
BP 578
Niamey
Niger
Tel (227) 723182, 733339
Fax (227) 732784

Senegal

Project National de Semences Forestieres
(PRONASEF)
BP 3818
Dakar
Senegal
Tel: 836/14/11
Fax: 836/14/09
E-mail: pronasef@ns.arc.sn

South Africa

SAFCOL Research
South African Forestry Company Ltd PO
Box 574
SABIE, 1260
South Africa
Tel: (27-13) 7643493
Fax: (27-13) 7641239
E-mail:
LVDMERWE@MAIL.SAFCOL.CO.ZA

Swaziland

Forestry Section
Ministry of Agriculture
PO BOX 162
Mbabane
Swaziland
Tel: (268) 42731/10
Fax: (268) 44700

Sudan

National Tree Seed Center
Forest Research Center
P. O. Box 7089 Khartoum
Sudan
Tel 787136

Tanzania

National Tree Seed Programme
PPO BOX 4012
Morogoro
Tanzania
Tel: (255-56) 3903/3192
Fax: (255-56) 3275

Tanzania Forestry Research Institute
(TAFORI)
PO Box 95
Lushoto
Tanzania

Uganda

Forestry Research Institute (FORI)
PO Box 1752
Kampala
Uganda
Tel (256-41) 255163-5, 244140, 251916/9
Fax (256-41) 234252, 255165
Telex 61186 SHIBSSC UG.

Uganda National Tree Seed Project
Project Manager, P.O. Box 23889
Kampala
Uganda
Tel 256-41-286049
Fax 256-41-251918
E-mail treeseed@swiftuganda.com

Zambia

Forestry Department
Division of Forestry Research
PO BOX 22099
Kitwe
Zambia
Tel: (260-2) 220-456/224-110
Fax: (260-2) 224-110

Zimbabwe

Forestry Research Centre
PO BOX HG 595
Highlands
Harare
Zimbabwe
Tel: (263-4) 47070
Fax: (263-4) 47066
E-mail: frchigh@harara.iafrica.com

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