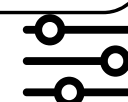


By BSO

By SPA

By Nursery

By Plant



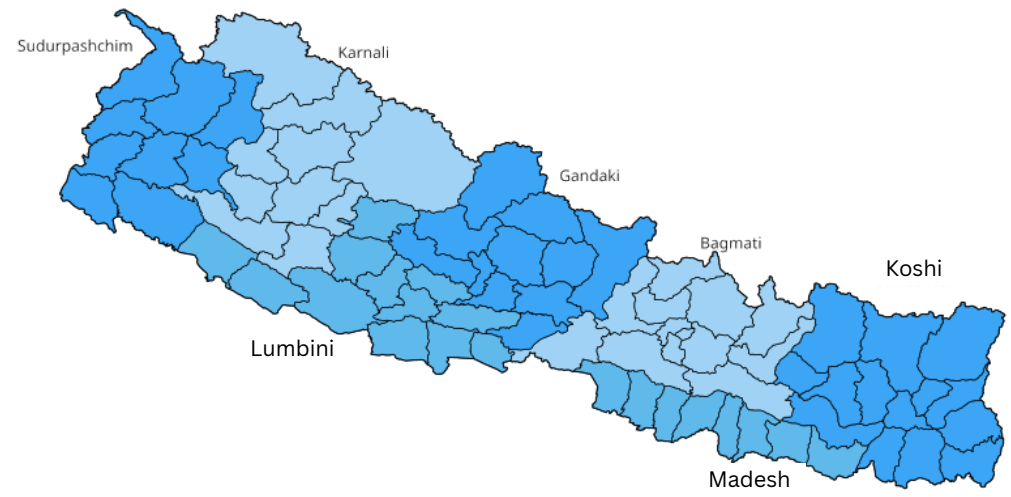
These are established seed sources i.e. sources with a documented parental history or pedigree. In seed orchards seed lots, i.e. mother trees, are kept separate and the identity maintained in order to do family selection and breeding as part of advanced seed production. Seed orchards can be established by seeds (SSO) or clones (CSO). In both cases the product is seed. A new concept, breeding seed orchard (BSO) has been introduced as a special sub-category of the seedling seed orchards. BSOs are based on a high number of families (mother trees), which permit selection for breeding during several generations without introduction of new material. Seedling seed orchards may thus be classified as ordinary seed orchards or BSOs dependent on their base material. The term Clonal Seed Orchard (CSO) is maintained in the revised system. Depending upon the establishment method there are two basic types of seed orchards viz. seedling seed orchards and vegetative or clonal seed orchards. Seed orchards established and maintained for breeding purposes are known as breeding seed orchards (BSO). The main logic behind BSO is to allow for the breeding and subsequent genetic testing of a greater number of parents than are normally established in production orchard. In BSO, the spacing of plant is normally low than in other production orchard in order to facilitate breeding. Afforestation, reforestation, tree farming and agroforestry are viewed in Nepal as forest land-use strategies to support wood, food, energy, ecology, livelihood and to limit climate change. Programs and initiatives had been envisioned and implemented, yet there were less significant and successful stories realized in spite of the efforts of the various government implementing agencies and private sectors. Strategies for revegetation of denuded and degraded areas had never been successful, due to poor selection of species to be used, coupled by the low quality of seeds and other planting materials. Efforts had been made to produce the needed high-quality planting materials, yet administrative, technical and policy support was not fully realized. Policy instruments governing forest tree seed and seedling production were assessed and reviewed to determine the effectiveness of the old guidelines and to see if it is still adapted to current situations. The policy instrument was revised to cope with new programs and initiatives; this paper outlines the newly approved guidelines. The need to produce high quality forestry planting stock was recognized in Nepal as early as 1990, with the creation of the Tree Improvement and Silvicultural Component (TISC) under the former Department of Forests (DoF). The reorganization process in the past dissolved TISC with the establishment of Silviculture Division absorbing the functions of TISC. In recognition of the need to improve seeds and seedling quality in Nepal, various actions have been undertaken, the most recent being establishment of Tree Seed Centers within the organization of the Department of Forests and Soil Conservation (DoFSC). National Tree Seed Project in Nepal implemented programs of seed production in order to fulfil the quality seed requirement. This program established seed stand and breeding seed orchard in different parts of Nepal. There is lack of updated information about BSOs right now which is very important for future tree improvement related work. In this context, updating of information about BSO is important and this study was conducted with the aim of generating the updated information of BSOs of working area of the Forest Seed Laboratory and Storage Center, Kathmandu.



Description ABOUT SPA



Description ABOUT SPA



By BSO

By SPA

By Nursery



By Nursery



Breeding Seed Orchards (BSOs)



[Add New](#)

[Add BSO](#)
[Add SPA](#)
[Add Nursery](#)

S No	BSO NAME	Address	View Details
1	Satisal	Chitwan	
2	Ipil Ipil	Chitwan	

Breeding Seed Orchards (BSOs)

[Add New](#)

S No	BSO NAME	Address	View Details
1	Satisal	Chitwan	
2	Ipil Ipil	Chitwan	

[Add BSO](#)
[Add SPA](#)
[Add Nursery](#)
[Verification](#)¹⁰
[User](#)



[Add BSO](#)

[Add SPA](#)

[Add Nursery](#)

Seed Production Area (SPA)

[Add New](#)

S No	SPA NAME	Address	View Details
1		Chitwan	
2		Chitwan	



Seed Production Area (SPA)

[Add BSO](#)
[Add SPA](#)
[Add Nursery](#)

Nursery Name

Contact person

Mobile No

GPS Point

Save

Useful Link

Address

[Home](#)

[About](#)

[Contact](#)



[Home](#)

[About](#)

[Contact](#)

Nursery

[Add New](#)

[Add BSO](#)
[Add SPA](#)
[Add Nursery](#)

S No	Nursery NAME	Address	View Details
1		Chitwan	
2		Chitwan	

Useful Link

Address

Home

About

Contact



Nursery

[Add BSO](#)
[Add SPA](#)
[Add Nursery](#)

Nursery Name

Contact person

Mobile No

GPS Point

Save

Useful Link

Address

Home

About

Contact



Breeding Seed Orchards (BSOs)

Add New

Add BSO
Add SPA
Add Nursery

Name/Species of BSO

Area:

Gross Area (Fenced)

Net Area (Planted)

Address:

District

Local Level

Ward No.

Tole

Contact Person /CFUG/ Watcher

CFUG Name

CFUG Chairperson

Mobile No

Watcher Name

Mobile No.

Specific Information

Establishment Year

Family

Origin of Parent Material

Established Report

Design & BSO type

Thinning Reports

Management/Other Reports

Land Owmership

Established by

Accessibility

GPS Location

Total no. of plants planted

Tending and Cultural Operation

Thinning status & requirements

Status of disease and Pets

Fruiting/Seed Production status

Seed Production/ Collection Records

CFUG income via seed, Thinned Materials

Protection by

Protection Measures

Recent no of trees/ plants

Condition of fencing

Information Board

Block Separation Pillars & Family Tags (in case of intermediate level)

Awareness/ Involvement of Division/ Sub- division forest offices/CFUGlocal residents

Tree measurement sheet

S No	Species	Girth	Height	Remarks

Add New Row

Boundary Survey

S No	X_Coordinates	Y_Coordinates	Height	Remarks

Add New Row

Save



Home

About

Contact

C

Ask Your Queries

Your Name*

Your Email*

Phone Number*

Your Message*

Note: All field are required

Submit

Ministry of Forests and
Environment Department of
Forests and Soil Conservation
Forests Seed Laboratory and
Storage Center Hattisar,
Kathmandu

Contact Number:

Email Address:

Useful Link

Address

[Home](#)

About

Contact



[Home](#)

[About](#)

[Contact](#)

[Add User](#)

S No	User Name	Address	Contact Person	
1	div.chitwan	Chitwan		Details
2				

Useful Link

Address

Home

About

Contact



User Name	<input type="text"/>
Office Name	<input type="text"/>
Office address	<input type="text"/>
GPS Point	<input type="text"/>
Contact Number	<input type="text"/>
Role	<input type="text" value="Admin/ Super Admin"/>

[Save](#)