# PLANT NAMES IN KHALING A STUDY IN ETHNOBOTANY AND VILLAGE ECONOMY

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## INTRODUCTION

Nepal has a rich contribution to make in the botanical world. Since the time of Sir Joseph Hooker, flowers and other plants of the Himalayas have attracted the scientific attention of people around the world, but unfortunately, names in local dialects or languages are not widely known. This paper attempts to list some of the plant names recorded as a by-product of linguistic studies. Khaling, one of the Rai Languages spoken in Solu-Khumbu, Sagarmatha Zone, is the language in which we have recorded the names of plants here. The technical works we have consulted in the preparation of this paper are cited in the references given below. The following individuals I wish to thank for their contributions in identifying plants: Mr. T.B. Shrestha and Mrs. P. Pradan of the Department of Medicinal Plants, HMG, Thapathali, Kathmandu; Professor Dr. D.D. Bhatt of the Department of Botany at Tribhuvan University, Kirtipur; Mr. Ch.B. Khaling, our lar guage assistant who supplied the Khaling names and many of the Nepali names. All plants were found in Khaling territory, at altitudes between 1300 to 3500 meters above sea level.

# PART I THE UTILIZATION OF NATURAL RESOURCES

#### 1. CULTIVATED PLANTS.

1.1. FOOD GRAINS.

The principal staple for the Khaling people is black millet (Eleusine coracana). It is sown in seed beds during the months of May and June. These seed beds are prepared with great care. The ground is plowed and then with the hand broken into very fine particles and mixed with cow, buffalo or goat dung. The plot is then sown quite densely with seed. The seed beds are weeded twice before the millet shoots are transplanted to the fields where they will grow to maturity. Millet shoots are generally transplanted into fields which had barley as the preceding crop. Millet is

harvested in the months of November and December. Only the ears are cut. The stalks are left for the cattle to eat. Since the cattle go to the fields to feed on the millet stubble, the dung produced by the cattle need not be transported to the fields as is necessary with the Sherpa who keep their cattle in stables by their houses.

Millet, as a staple of Khaling diet, is served usually as the mid-morning meal in the form of porridge. It is accompanied by either a spinach or lentil soup. Left-over millet porridge becomes firm like a piece of bread and is eaten as a snack by children. Sometimes millet flour is mixed with soyabeans and prepared as soup. The Khaling do not, as a rule, eat millet pancakes, but they do prepare millet pancakes for the Kamis who work for them<sup>1</sup>. Millet is also used to make beer and liquor (rakshi). Millet beer is considered the best quality homemade beer and preferred at festivities such as weddings.

Corn (Zea mays) is second only to millet as a staple food. Like millet, corn has a Khaling name which suggests that it has long been known to the Khaling. But whereas the Khaling normally use their own name when referring to millet, they tend rather to use the Nepali name when referring to corn. Corn is planted in the month of March and harvested at the beginning of the rainy season in June. It is eaten as a porridge in alternation with millet. But almost more important is its use as snack food when it is popped. "Tortillas", the South American kind of corn pancakes prepared from corn mush are completely unknown. Recently we had good response to instruction in how to make corn bread from the fine flour which is not used for corn porridge, but sifted out and fed to the dogs while the coarser meal is used in making porridge. In lean years the people may not be able to afford feeding the fine flour to the dogs and the knowledge of how to make corn bread may prove beneficial. Corn bread can be baked entirely from locally available ingredients. Locally available bicarbonate of soda can be used as a leavening agent. Corn is of course also used in making beer and liquor.

Rice (Oryza sativa) is planted only in small quantities on fields located lower than the actual Khaling villages. Rice is the food reserved for festivities such as weddings. It is only rarely used to make liquor.

Buckwheat (Fagopyrum esculentum) is planted during the months of August and September. Buckwheat is eaten as a porridge either by itself or mixed with millet. It is harvested in late December. Buckwheat is ground into fine flour and cooked into a porridge either by itself or mixed with millet flour. It is also very good in pancakes which are baked on a hot slate without any grease. Because it rises without any leavening agent, it would also be suited for baking bread.

<sup>1.</sup> Kami is the name of an ethnic group whose mothertongue is Nepali. They are blacksmiths, gold-and silversmiths, or field labourers.

Wheat (Triticum vulgare) is planted during the months of September and October. It is harvested during April and May and eaten especially during the rainy season when the millet has been used up and corn has not yet been harvested. Wheat is often parched and mixed with parched soyabeans for a snack food. Parched wheat may also be ground and cooked as porridge. Wheat flour is used to make pancakes (chapati) or dumplings.

Barley (Hordeum Vulgare) is planted especially for making beer. The time for planting is during September and October, harvesting time are the months of February and March.

Cop (Triticum sp.) is a kind of rye, planted in small quantities and used for snacks, puffed and mixed with other puffed grains.

# 1.2. OTHER EDIBLE PLANTS.

Potatoes (Solanum tuberosum) are not planted at the level of Khaling villages, but Khaling people usually own patches of potato fields in higher altitudes where the soil as well as the climate are favorable.

Around each house in a Khaling village one finds a clump of banana trees (Musa paradisiaca), the fruit of which ripens during the warm and rainy months. Also common in the gardens around the houses is a very useful plant of the gourd family (Momordica charanta). Its fruit is eaten from November till December. After that, the leaves fall off, and then part of the root is dug out and cut off and eaten boiled like potatoes. It is delicious when it is roasted in the ashes. Tomatoes (Lycpersicon esculentum) grow as big as marbles in the gardens around the houses. Indispensable is the patch of very hot red chilli (Capsicum frutescens) near each house. As in other parts of Nepal, both black lentils and soyabeans (Glycine max.) are grown around the houses. Also mustard greens are seen in every garden. They are cooked like spinach or dried and eaten in soup during early spring before the wild buckwheat leaves appear. When these appear they are also prepared and eaten like mustard greens. As yet, few people plant cabbage or cauliflower in their gardens. Recently, tea bushes are being grown in Khaling gardens. But the Khaling have yet to learn how to process tea leaves.

So-called sweet potatoes (Ipomoea batatas) grow in the 1ed soil below the villages.

Taro (Alocasia indicum) is another starchy plant-root planted in fields near het village. Ir June, its leaves are cooked like spinach. The roots are dug out in January and boiled like potatoes. They can be kept raw for several months.

All the plants mentioned thus far fall into the category of cultivated plants.

# 2. SEMI-CULTIVATED PLANTS.

Nettles (Uritica dioica) are an example of a plant which falls into the category of semi-cultivated plants. Nettles are found near every house. The leaves are picked with bamboo tongs and prepared like mustard greens and eaten with porridge. More often, however, nettles are picked and cooked for the pigs.

An important semi-cultivated plant is bamboo (Cephalostachyun). Once it has been planted it is left to grow on its own. Bamboo has a very wide range of uses. Duting the monsoon season, the fresh shoots are cooked and provide a tasty vegetable dish. Bamboo provides material for water pipes to irrigate paddy fields (its stems are cut in half lengthwise for this purpose); scaffolds for house building and various kinds of step-ladders and fences are all made out of bamboo. Even kitchen utensils and containers are made out of this durable material. There is also a kind of bamboo with thin stems (Arundinaria Hookeriana) which provides material for baskets of all kinds as well as for little musical instruments which are pinned to clothing as of all kinds as well as for little musical instruments which are pinned to clothing as decoration.

#### 3. WILD PLANTS.

There are many shirbs and trees in the forests the fruits of which are gathered seasonally and eaten raw. Many roots and leafy plants are also gathered. These add variety to an otherwise monotonous menu. One kind of nut (Juglans regia) is particularly used to make yeast needed to ferment beer. In their daily trips to the jungle for animal fodder, the Khaling cut branches and leaves to feed their animals. Certain trees provide wood for tools or for beams in the houses.

Fire wood is, unfortunately, not cultivated. Though different kinds of trees are known to provide good fire wood, nothing is done to cultivate these trees in order to guarantee a supply of fire wood in the future. In fact, deforestation is a serious threat to the Khaling people.

One plant outstanding for its beauty is the rhododendron tree (Rhododendron tree horbatum), whose bright red blossoms are a spectacular sight in February and March. There are a number of orchids which grow in the jungle. They are often picked by the young folk who watch the cows and goats. From the stem of one particular kind the young folk who watch the cows and goats. From the stem of one particular kind orative patterns on the handles of little brushes which are carried by the girls and wonstive patterns on the handles of little brushes which are carried by the girls and wonstive patterns on the handles of little brushes which are carried by the girls and women to clean their golden nose rings. It is interesting to note that the Khaling people men to clean their golden nose rings. It is interesting to note that the Khaling people appreciate the beauty of the thododendrons, orchids, and other wild flowers.

#### 4. RELIGIOUS AND MEDICINAL USE OF PLANTS.

Some plants listed in Part III below are utilized for both religious and medical purposes, these purposes being inseparable. Some of these plants do have healing properties, serving to fight infection or stop diarrhea, while others are useful mainly for their ritual significance. One example is the betelnut (Piper betle). It is not, as is common among other ethnic groups in Nepal, chewed habitually, but serves exclusively a religious purpose in a ceremony held in the jungle in order to ward off evil spirits.

#### PART II

#### BARTERING AND TRADING.

Khaling economy is largely based upon agriculture. Though every family also owns livestock, consisting of cattle, water buffalos, goats and sheep, it is grain that is used to figure prices of goods bought by Khaling people. Until a few years ago, there were only a few items that needed to be bought in a Khaling household. Such items included metal tools for field work, cooking pots made of metal, some kinds of baskets, and clothes sewn by the local tailor. In each case, payment was made not in cash or cattle but in grain. That was still so until quite recently, because even nowadays people will often tell us the price of something, e.g. a basket, in terms of the quantity of grain required for the payment. Thus, bartering of goods for grain was the form of trade observed by the Khaling. Of course, nowadays, there is a market only one day's walk away from any Khaling village. Goods purchased in the market must be paid for in cash. But how do Khaling people earn cash? They do not have a large surplus of grain to sell for cash in any given year. It is just enough to account for expenses as mentioned above, or in addition for paying voluntary workers at house building or feeding a large number of guests at a feast. Apart from trying to sell small quantities of grain in order to have the necessary cash for items bought at the market, the Khaling people resort to buying products produced in the lowlands, such as rice, and transporting them to highland markets and selling them at a profit. But this is a slow and strenuous way to earn cash.

Grains that bring good prices in the market are millet, corn, rice and wheat. Mandarin oranges, grown at lower elevations within the Khaling area, bring a good profit when sold in Namche. Rice is in great demand in Namche, but the Khaling do not have a large surplus to sell. Wheat, since it grows better at higher altitudes and is cultivated by the Sherpa, is not very profitable as a cash crop for the Khaling. Corn is in demand by Sherpas, therefore it is a good item for bartering with Sherpas.

Trading in the strict sense of the word is not practised by the Khalings. No shops are found in the five panchayats in which Khaling villages are located. There are only occasional fairs held at irregular intervals. They are held at night time and are connected with religious observances.

Table 1 shows the places where Khalings buy and sell, the items which are marketed, and the approximate range of prices for each item. Except where specified, the prices given are for one pathi of the named commodity. The pathi is a unit of volume equivalent to approximately one gallon. In the case of chili pepper, the unit specified is the mana. There are eight mana to the pathi. The chart was recorded in March, 1974. Namche and Dorpu are weekly markets in Sherpa villages, Tumshe is in the Thulung area. Namche is three to four days walk north of the Khaling area, Tumshe is one day south, and Dorpu, where Khaling sell and buy most frequently, is one day east. Prices are given in Nepal rupees.

Table 1: Selling and Buying

	Namche	Tumshe	Dorpu
corn	7.50—8.00	5.00	4.00—500
rice	14.00—16.00	13.00—14.00	10.00—12.00
millet	7.50—8.00	4.00	6.00
potato	4.00	4.00	3.00
wheat	12.00	8.00	6.00
aweet potato		2.00	
soyabeans	8.00	6.00—8.00	
chili (mana)	2.00	1.00	1.00
pounded rice	14.00	8.00	8.00
salt	16.00	10.00	8.00

#### PART III

#### PLANT NAMES.

The following Khaling plant names were collected during linguistic field research in January through May 1974. The list as it stands has been checked carefully to ensure that the Khaling and Nepali names match. About ten Khalings cooperated with me in the identification of each plant, and Mr. Purne P. Dhungana checked the Nepali names twice, for which I am very grateful. A great deal of time and effort was invested in checking the accuracy of the botanical names and descriptions given here:

We have restricted the list of plant names to those which are specifically useful to the human inhabitants of of the area. While some of the Khaling names for plants given here are descriptive, others have no special meaning other than as plant names. There are surely names for many other plants which we have not included in this list. Many of the plants which we have included here have no Nepali names. This may be due in part to our limited knowledge of Nepali plant names.

The order of listing follows the Khaling Roman orthography2. The description following the botanical names is not given in detail. For this the reader is invited to refer to the technical books that are listed in the references. I consulted them for each plant name. Doubtful names are followed by (?). We excluded in this list plants that have only Nepali names: exceptions are names which are completely incorporated into the Khaling phonological system. The Nepali equivalent is given in a slash line following the Latin name. A blank between slash lines indicates that either we did not know the Nepali name or that no Nepali name exists. Local variation in Nepali names may also be observed. In describing plant usage, fire wood is not listed, because practically all dry trees and shrubs can serve that purpose.

ækpa	Znthoxylum	oxyphyllum	Edgew.	/Timbur/	
	a chruh wit	h adible soo	1.		

asalam	Castanopsis	indica	(Roxb.)	A. DC.	/dhale	kaTus/	
	a tree. The le	eaves are	used for	fodder	and in re	eligious	healin

a tree. The leaves are used for fodder and in religious healing ceremonies.

'aap Pinus Roxburghii Sargent /khoTo sallaa/

a lowland pine with long needles. It is used for timber.

'baalsam Aristolochia Griffithii Hook. / f. Thom.

a creeper. The inner strings are used to make ropes to tie

domestic animals.

'barsu Cucumis sativus Linn. /kàakro/

cultivated climbing herb with edible fruit

bæysu Cstnopsis tribuloides (Sm.) A. DC. /musure kaTus/

a tree about 30' tall with edible fruit.

belemæ (?) /halhale/

an herb with edible leaves

belembu Photinia integrifolia Lindl. /gaj phul/

a tree, used as support and beams in cattle shelters

<sup>2.</sup> Tha Khaling Roman orthography system is described in Toba and Toba, 1972.

'beliwaam

1 (?)an herb

'bisuwaa

Alnus nepalensis D. Don /utis/

a tall riverside tree, usually planted on land-slide areas to

stop further erosion. It is also used as timber.

blenggam

(?) 1 bagale cyau/ an inedible fungus

bokomæs

Garuga pinnata Roxt. /dadabe/

a tree. Its leaves are used for fodder.

bokote-sang

Maesa macrophylla (Wallich) A. DC. /

a small highland tree. The leaves are used for fodder and the

rrunk for timber.

'hokto

Engelahrdtia spicata Lech ex. Bl. /maiwa/

a large tree

'bosu

Boehmeria rugulosa Weddell /dar/

a lowland tree. It is used for making all kinds of containers.

brapjem

Arundinaria sp. /kharuki/

an herb, or bamboo grass which animals are very fond of

bubuyem

Anaphalis contorta (D.Don) Hook. f. /buki jhaar/

tan herb wi white flowers

'buplaaceu

(?) /paan: cyau/ an edible fungus

bhendekekepci

Cyathula tormentosa (Roth) Moquin /

a shrub. Monquin in fruit. Its seeds adhere to animal hair

and are thus distributed.

bhenderæni

Lycopersicon esculentu Mill. /golbheDa /

tomato, cultivated and eaten

bhek-apraa

Arisaema costatum Wal Mart. /baankro/

a tuberous herb which looks like the head of a snake

bhonggolsi

Pouzolzia hirta (Bl.) Hassk. /ciple laharo/

a creeping plant with edible fruit

'bhep

Arundinaria Hookeriana Munio /malingo/

a bamboo, used to make baskets

'bhö

Panicum italicum /kaagunu/

a millet, cultivated and eaten as a cereal

'bhræm

Fagopyrum esculentum Moench /latte/ buckwheat, cultivated in the highland F. tataricum(L.) J. Gaertner /kaun/

buckwheat, ground and eaten as porridge or pancakes

'bhrolung

Dryopteris filixmas Schott. /uniu/

a fern with edible shoot

bhülüsi

Agapetes serpens (Wight) Sleumer /gaadar/

a parasitic plant with edible fruit

'bhündüwæ-sang

Clematis grewiaeflora DC. /juge lahara/

woody climber. Its roots are used as medicine for headache.

bhwaam

(?) /jhyau/

a kind of white lichen used to stop bleeding

bhwaarnæm

Buddleia asiatica Lour. /bhimsing paat/

a tall shrub, used as fodder

'caakcaramsi

(?) /ghaangghaaiokaaro/

a thorny tree with white flowers. It is used for fences and

as goat fodder.

cemö

Arundinaria sp. /phurke/

a bamboo which is used by village shamans in healing cere-

monies

'ceri

Cynodon Dactylon (L.) Pers. /seto dubo/

an herb used for fodder

cerlæm

Maesa chisia Buch. - Ham. ex. Don /bilaune/

a small lowland tree used for fodder

'ces

Viburnum mullaha Buch /cyaasi amilo/

a tree use as fodder

'cinwaam

Chenopodium album Linn. /beThu/

an edible herb. Its fruit is used in beer-making

'comphæræm

Berberis aristata DC. /cutro/

barberry. Thorny shrub with yellow flowers. It is used for

fencing in fields.

'congki

(?) /bhaisisure/

an herb used for fodder

cop

Triticum sp. /uwaa/

a cultivated grain, used as cereal, in pancakes, and in beer

cos

Ficus glaherrima Bl. /kaabh10/

a tree with edible leaves. Its trunk is used for timber.

'cökaasi

Quercus glauca Thunb. /phalaaDh/

a tree, used to make agricultural tools, e.g. plough parts

'cuksu

Picea spinulosa (G1iffith) Henwy /Thigure/

White spruce, used as timber

'curbu

(?) / /

a thorny tree with dark green leaves which are eaten by

goats. It is also used to fence in fields.

'curbham

Cirsium aryracanthum DC.

/sugure kaaDo/

a thistle, used for fodder

'chæmcu

Bauhinia variegata Linn. /koiraro/

a tiee used for fodder

'chænüwærsi

(?) /paani lahara/

a creeper with sap which is used as eye medicine

'chebar

Saccharum officinarum Linn. /ukhu/

sugar cane. It is cultivated, but the Khaling do not produce

sugar from it, they only chew it.

'chörkwaay

(?) /mirge cyau/

an edible fungus which grows on old trees

'daamdaa

Arundinaria sp. /raato nigaalo/

a thin bamboo, used for making baskets

'dænciki

Leycesteria formosa Wall. /paDpaDe/

an aromatic shrub, which sometimes takes parasitic form.

It is used as an anthelmintic.

delki

Dioscorea alata L. /ghar tarul/

cultivated yam with edible fruit and root

dodikhæm-saang

Gentiana capitata Buch /

a small edible herb used as fodder

dokosi

Zea mays L. /makai/

corn. Together with millet, corn is the most important crop for the Khalings. Dry, empty cobs and stalks are used as fuel in the making of rakshi (liquor, because they give the low heat required for distilling. Dry stalks also are fed to

water buffalos during the dry winter season.

dongdang pungmæ

Primula ianthina Balfour P. ex. Cave /

primula, it blooms in dark blue flowers in the highland. It is picked and worn as decoration on clothes or headwear.

dülimas

Vicia hirsuta (L) G1ay /aakura/

an herb used for fodder

dhæbatam

Bergenia ciliata. (Maw.) sternb. /pakhanaa bhed/

a poisonous herb

'dhæru

Prunus cerasoides D.Don /paiyung/

Himalayan cherry tree. It is planted for the beauty of its

flowers.

'dhenggaisi

Magnolia Campbellii Hook. f. et. Thom. /ghoge cààp/ (?)

a tree. Its leaves provide fodder, its trunk is used for timber.

'dhocer

Triticum vulgare Vill. /gàu/

wheat. It is cultivated and eaten whole and roasted or ground

into fine flour and used in porridge or pancakes.

dhosnær

Carey beceans Nees, /harakeTo/

herb-like grass used for fodder

dhumii

Ficus foveolatus Wall. ex. Mig. /dude lahara/

a creeper with edible fruit. It also provides fodder.

'dhupsi

Piper betle Linn. /paan/

betelrut. Its fiuit is edible. Its leaves are used at a religious ceremony of the Khalings called thunæm mosi 'jungle purification'. It is performed to keep the evil spirit that brings sickness from coming to the village. This is done by a shaman

called sele nokco.

elsi

Sterculia coccinea Roxb. /cirui/

a tree. Its leaves are used as food containers at feasts. The

trunk is used for timber.

'gipsi

Glycine max (L) Merrill /bhaTomaas/

a soyabean. It is cultivated and either roasted for snacks or made into a fermented paste which is cooked as soup.

'glombe

Machilus Gamlei King /kaaulo/

a tree. Its bark is used for leavening sel roTi (Nepalese doughnut). The Khaling shaman uses the leaves when he

performs an exorcism.

'goldo

Symloros ramosissima Wall. ex. Gr. Don /khaaraane/ a tall tree. Its leaves provide fodder. Its fruit is processed for edible oil and its trunk is used as timber.

'ghamaalam

Zingiber Mioga Rosc. (?) /ghokapaa/ a wild edible ginger root

ghraktam

(?) /gharaghoti/

a tree. Its black fruit is processed for edible oil.

'ghremsi

Quercus spicata /phaalaame/

oak. Its leaves are used for fodder.

ghrenaa

Uritica dioica Linn. /sisnu/

nettle. It is semi-cultivated and eaten like spinach.

ghruksu

Bombax malabaricum D.C. /simbal/

a large tree, used as timber

ghrüs

Rubus elipticus Smith /ààiselu/

golden evergreen raspberry, uncultivated, edible

'hip

Arundinaria Maling Gamble /setio nigaalo/

a small and thin bamboo, used in making baskets and

rainwear

'holo

Duabanga sonneratioides Hamilt. /laampaate/

a lowland tree, used as timber, mainly for the house beams

'jaasu

Bauhinia pupurea L. /Tààki/

a tree, used as fodder. Its flowers are eaten as a vegetable

substitute.

jijile

Albizzia sp. /seto siris/ a tree, used for fodder

'iilesi Cannabis sativa Linn. /bhààgo/ true hemp. Its seeds are eaten as a sedative to sooth restlessness 'jörnis Rhus succedanea Linn. /raani bholaayo/ cashew, edible nut, not cultivated Oxalis corniculata Linn. /cari amilo / 'jujur-saang a medicinal herb Eurya acuminata DC. /jingguni/ 'iharbu a tree, used for fodder (?) /tilke/ 'ihaalaabu a tree, used for fodder 'iheremsi Myrica esculenta Buch. -Ham. ex. D. Don. /kaaphal/ evergreen tree, its bark is used as medicine for fever and cough Clematis montana Buch. -Ham. ex. D. Don. / ihes-bhündüwæ a woody climber with a white flower Calanthe plantaginea Lind / jhes-kanaasi a highland orchid Daphne bholua Buch. Ham. ex. D. Don /lek ko aalgeli/ ihes-khaltap a tree. Its bank is used to make ropes. The Sherpas make paper out of it. Arisaema Wallichianum Hook. f. /lek baako/ ihes-khæpraa a tuberous herb, used for making rope Gaultheria pyroloides Hook. f. et Thom. ex. Mig. ihes-lamcaasi a highland shrub with edible fruit. Its leaves are used for fodder. Viburnum cordifolium Wall. /ghode khari/ ihes-næpcibem a highland shrub with white peduncled corymb flowers Lyonia villosa (Hook. f.) Hand. / jhes-rangkhilæm a tree, used for fodder

Rhododendron dalhousiae Hook. f. /cimaal/

a rhododendron

jhes-taaktibung

jhes-yasu

Prunus nepalensis (Ser.) Steudel /arupaate/

plum

'jhesu

Terminalia myriocarpa Heurck et Muell. -Arg. /paani saas /

a lowland tree.

'kanasi

Coelogye corymbosa Lindley /kaarine/

an epiphytic orchid with short rhizomes

kat

Rubia manjith Roxb. ex. Fleming /majiTo/

a creepei, used as fodder, also used as medicine by shamans

'kaanter

Dendroca lanmus sp. /coya bàà/

a bamboo, used for making containers and ladders

kaatwaalam

Rubia sikkimensis Kurz. /majiTo/

a climbing herb

kæmcülem

Pouzolzia viminea /ciple/

an herb with a bag-like fruit containing a sticky juice which is used for paste. The red fruit is also used for washing hair.

Some Khaling call this plant ngelemæ.

kæphæm

Lagenaria leucantha Rusby (Dvc.) /loki/

bottle gourd. The fruit can be used as a container after the juice is taken out. Khaling priests, nægi nokco, use it filled

with beer which is offered to ancestor gods.

'kekepci .

Triumfetta pilosa Roth. /kuro/

a sharp pointed grass. The seeds are distributed when their

burrs attach themselves to clothing and animals.

'kerpungme

Primula atrodentata W.W. Smith /

a highland primrose

ki

Solanum tuberosum L. /aalu/

potato. Cultivated above 6,000'. Another variety is grown

in the lowland where it ripens earlier.

kokcalapkhæpraa

Arisaema Jacquemontii Blume /cheparo baako /

an herb

'kole

Boswellia serrata (?) /saala/

a tree, used for making boxes

'kongkoci

Lindera nessiana Benth. /silTimbur/

a tree. Its leaves and seeds are used as medicine.

'korosi

Emblica officinalis Gaertn. /amala/

a deciduous tree with an eaible fruit which is dried and

used as diarrhea medicine.

'kursi

Juglans regia Linn. /okhaat/

walnut. It is used for timber, its edible fruit is used in beer

making.

khaktam

Plygoun runcinatum Buch.- Ham. ex. D. Don /ratnaulo/

an herb, used for fodder

'khawaa

Stercuria villosa (?) /odaala/

a lowland tree. It provides a fibre which is used to make

headbands and rope.

khaakcalap

Holarrhena antidysenterica Wallich ex DC /khir10/

a large tree. Its leaves are only eaten by goats. It is planted

for shade or kept as a hedge around fields.

'khænæmbu

Heynea trijuga (Roxb.) Kurz. /ààkhaa taruwa/

a lowland tree

khe bwaasmi

Melothria maderaspatana (L.) Coginax /kààkro jhar/

a creeping herb with edible red fruit

khik

Scurrula elata (Edgew.) Danser /aaijeru/

a woody parasitic plant, poisonous

'khisaa

Pinus Griffithii McClelland /sallo/

tall pine tree with long cones, used for timber

khlus

Mahonia napaulensis DC. /jamane mar dro/

a tree with edible fruits

khorsane

Osmanthus fragrans Loui. /silingge/

a tall tree with white flowers. Its trunk is used to make ploughs and handles of other agricultural instruments including

axes.

khos

Alocasia india Schott /pinDalu/

taro, cultivated and eaten

khörsæy

Capsicum frutescens var. /khursaani/

chilli, used for seasoning

khöwel

Mechelia champaca Linn. /cààp/

a tall tree with yellow flowers. Its trunk is used for timber.

'khukwaay

(?) /bagale cyau/ an edible fungus

'khup

Ficus clavata Wall /khuniu/

a fig tree with edible fruits. Its leaves as well as its fruits

are fed to animals.

'khurbu

Albizzia mollis Boiv. /siris/

a tree with pinnated leaves, flowering in April. Its trunk is

used for timber.

'khüpli

Swertia angustifolia Buch.—Ham. ex D. Don /ci aito/

a medicinal herb used on wounds

lahaajujur

Rheum spiciforme Royle / /

a highland herb with edible fruit

'lamcassi

Gaultheria fragrantissima Walli h /macino/

a tree with edible fruit, its leaves are used for fodder.

'lamlam saang

Tithymarus sikkimense Boiss. Hurusawaet Ya. Tamaka/hirimbe/ a poisonous highland shtub. Its leaves are yellow and look like a flower, but the actual flower emerges from the top

leaves.

leldhamkhos

Gonatunthus pumilus (D.Don) Engter et Krause / /

a tuberous herb on mossy rocks. It has no flower and is

poisonous.

'lemgaasi

Musa paradisiaca L. /kera/

banana, edible, cultivated below 7000'

'lömæsi

Rubus calycinus Wall. /bhui aaiselu/

righland strawberry, wild, with edible fruit

'lujaa

Eleusine indica (L) ex D. Dor /kodo/

finger millet. Together with corn, it is the most important

crop for Khalings.

'lungkupæ

Amaranthus caudatus L. /laTTe/

amaranthus, cultivated and eaten for snacks.

lusam

Imperata arundinacea Cyrill. /khar/

a thatch grass

'makhaa

Codonopsis viridis Wallich / /

a creeper which emits a peculiar odor, used as fodder

'mal saapham

Bauhinia Vahlii Wight /bhorlo/

a creeper with large leaves which are used for umbrellas

matikhala

(?) / /

a fern, used for fodder

maacaram

Inula cappa DC. /gaaiteware/ a shrub, used for fodder.

'maaraa

Callicarpa arborea Roxb. /

a tree with red flowers. Its leaves are used for fodder.

'maassang

Myrsine semiserrata Wall. /kaabikaaT/

a tiee, used for fodder.

nangkayem

Bucklandea populnea R. Brown ex Griffith /pipiro/ a shrub, used to make walls in the animal shed.

'namprængmæ

Selaginella involvens Spring /banmaaraa/

a club-moss, used for the Hindu ceremony satta naran and

for decoration of gates.

'næpcibem

Viburnum erubescens Wall. ex DC. /

a shrub with white flowers. The wood is used in mattock

handles.

'nöri

Chenopoium ambrosioides L. /1aato laTTe/

an edible herb which grows in the highland. It is used for

fodder.

'ngærbu

Ficis sarmentosa Buch. -Ham. ex. J.E. Smith /ban timilaa/

a climber, used for fodder.

'ngeleme

Pouzolzia hirta (Bl.) /ciple/

an edible herb, the stem of which yields a slippery substance

used for paste. The leaves are used for fodder.

'ngoroci Nardostachys jatamansi DC. /jatamansi/

spikenaid, used for its medicinal properties. Its flowers are

worn as decoration on the blouse.

'packci Arundinaria Hookeriana Munro /khasre nigalo/

a bamboo, It is planted near farmland and used for weaving

mats.

'paktasi Holboellia latifolia Wallich /gupla/

a creeper with edible fruit. It is used for fodder and to make

ropes.

'pasam Phaseolus aureus Ham. /mungi/

bean, cultivated for vegetables

pataarangkhi Cinnamomum tamala Nees /tel paaT/

cinnamon bank. Because of its aroma it is used for preventing

nausea.

'pæb Dendrocalamus sikkimensis Gamble /b. as/

a bamboo, used for weaving mats and baskets and for tying

together ladders.

'pimæs Emblica offi inalis Gaertn. /amala/

emblic myrobalan, a tree with edible fruits which are dried

and used in diarrhea.

'plemci Dolichos biflorus L. /gahat/

a pulse. This is the most important pulse in the hills of Nepal. Pisum arvense /kerau/ kerong (Khaling) is also grown and

eaten raw.

'pokalpung Luculia gratissima (Wall.) Sweet /ragate/

a tree, used as fodder

'pomer Epuisetum diffusum D. Don /sunggure jhat/

an herb, used as fodder

'popwaap Rubus reticulatus Wallich ex Hook f. /boksi kaaD/

a thorny creeper, used as fodder

'pore Machilus Duthieie King /kaaTe kaaulo/

a tree, used as fodder. Khaling shamans use the leaves to

wave over sick people.

'porongku

Equisetum diffusum D. Don /sunggure jhar/

This is another name for 'pomer above.

'prehprewæ

(?) /ancuto/

an herb, used as fodder

'puysu

Prunus napaulensis (Ser.) Stendel /aru paate/

a poisonous tree. Its wood is used in making agricultural

tools.

'püyü saang

(?) /phusre jhar/

an herb, used for fodder

phakaltim sang

(?) /

a tiee.

p'haram

Zingiber officinale Rosc. /aaduwaa/

ginger. It is used as spice in vegetable dishes. The Khaling shaman bites it for purification before his work, so that spirits cannot trouble him when he exorcises them from the sick. Other priests also use it to the same effect before they officiate

in ceremonies.

'phösö sang

Homalium napaulense (DC.) Benth

an aromatic tree, used for fodder

'rakciki

Girardia palmata (Fors.) Gaud /allo/

Wild hemp. It yields a strong and durable fiber for clothing,

bags and nets.

rangkhilæm

Lyonia ovalifolia (Wall.) Drude /aanggeri/

a poisonous tree, used for making charcoal

'raawa

Tsuga dumosa (D.Don.) Eichler /gopre sallo/

a pine tree, used for timber, but mostly avoided for religious

reasons

'rep

Quercus semicarpifolia Sm. /khasru/

oak. Its wood is used for hammers, ploughs etc. The leaves

are used for fodder.

ieskap sang

Osyris wightin Wall. ex Wight /nunDhiki/

reskp means 'orphan'. The rame describes the tendency of this tree to stand alone, and not in groves. The leaves are

used as medicine.

Semecarpu anacardium Linn. Benth. ex Hook f. /kaag bhlaayo/ a tree, used as fodder. A white sap runs when it is cut.

risku sang

(?) /sikre/

a shrub used for brooms

robolsi

Lindera pulcherrima (Nees) /phusure / a poisor ous tree

ʻrö

Orvza sativa L. /dhaan/

rice. It is not a staple in the hill area. Khaling people eat it on special occasions only because it is relatively scarce.

röjæ sang

Thalictum chelidonii DC. an herb, used as fodder

röplæm

(?) / /
an edible fungus

'umbu kwaay

Ramalina himalayensis Ræs /thaakre cyau/ an edible fungus

rüys

Mesua ferrea Linn. /naagesari/ iron wood. A tree, used for cough medicine and foot injuries.

sakacew

(?) /giTT e cyau/ an edible fungus

sakaar

Ipomoea batatas (L.) Lam. /sakar khanDa/ sweet potato. Cultivated and eaten.

'samsöri

Anaphalis triplinervis (Sims.) an herb, used for fodder and to start fire

sapla

Curcuma angustifolia Roxb. /kacur/ a shrub, used by Khaling shamans to divine and diagnose disease

saankwaay

(?) /kaanne cyau/ an edible fungus

saaphaa

Thysanolena maxima (Roxb.) O. Kuntze /amliso/ a shrub, used for fodder and for making brooms. The Khaling shaman also uses it in healing ceremonies. sæmces

Sambucus hookeri Rehder /cari bhaago /

a small odorous herb

'sæmkwaay

(?) /maangnisag/

an heib, eaten as a vegetable

sæmphræm

Gleichnia volubilis Junghung /uniu/

a fern, used as a bed of straw in the cattle shed, also in

beer making and for cleaning pots and pans

sæmsi

(?) /likhi phul/

a tree used for fodder. Its flower is used for decoration.

sereme

Lens culinaris Moench /musur/

lentil

sib

Cedrala toona Roxb. ex Rottle et Willd /tuni/

a lowland tree, used as timber

sibuyem

Artemisia vulgaris /Linn. /titepati/

a wormwerd herb, used for fodder and in a Khaling

ritual called kommosi

silaa

Taxus baccata L. /Denggro/

a tree, used to make the frame of the shaman's dium.

solubu

Cascaria sp. /baarkure/ or /harkaTo/

a tree, used as fodder

sothwaap

Grewia vestita /syal phusre/

a tree.

sököme

Triumfetta pilosa Roth /ban kurro/

a bristly herb, 'kekepci is another name for the same

plant

sölam

Shorea robusta Gaeitn, /saakuwaa/

a large lowland tree, used for bridges because of its strength

and durability

sölemsi

Pentapanax Leschenaultii Wight et Atn.

/ singau To/

a climber with edible fruit

sönme sang

Santalum album Linn. /sirkhanDaa/

a tree, used for fodder and timber

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söslem

Beohmeria macrophylla D.Don /kaamle/

a shrub, used for fodder and ropes

Boehmeria phlayphylla

This is another species found in Khaling villages. See H. Hara

1966, The Flora of Eastern Himalaya, p. 56.

'surci

(?) /

a large tree, used as timber

swaarsu

Quercus lanuginosa (Lour.) D. Don /bààjh/

alrge tree, used as fodder.

swaaicep

Mucuna nigricans Steud /kasuso/

a lowland climber with pods covered with stingy hair. The

large stem is used as part of tools.

'taaktibung

Rhododendron barbatum Wall. ex G. Don /guraas/

a rhododendron with poisonous buds

taaktinggur

Rhododendron lindleyi T. Moore /cimaal/

a highland rhododendron with white flowers. It provides

very good fire wood.

'tæmwæ

Musa sapientum L. /ban Kera/

wild banana. Its leaves are used to make plates at feasts.

terti

Butea frondosa Roxb. /palas/

a large tree with red flowers which bloom before the leaves appear. Khaling people like to wear these flowers as decora-

tion on their clothes.

teraa

Saurauja nepalensis DC. /goguna/

a tall tree with edible fruit. Its leaves are used for

fodder

tokol pungme

Cardiocrinum giganteum (Wall.) Makino /gyu paat/

a plant with a white actinomorphic flower, which is worn

for decoration on clothing

'toplemsi

Cinnamomum glanduliferum Meissn. /maligiri /

an edible berry

'tukusi

Sorbus Hedlundi C.K. Schneid. /mel/

a tree, used for fodder

'tur

Cephalostachyun sp. /dhungro bààz/

cylinder bamboo, used to make water containers and a liquor container particular to the Khaling which is called *thöklaa*. It is beautifully decorated and only very few Khalings make

it.

thaktilæm

Berheris asiatica Roxb. /culetro/

a tree with thorny stem, used for fodder

'thaansi

Quercus lamellosa Smith / /

an oak, used for fodder. Its trunk and branches provide wood

for tool handles.

theprip

Arundinaria Hookeriana Munco /tite/

a thin bamboo, used for baskets and raingear. Reported to

be less durable than hip.

'thocipolu

(?) /soli cyau/

an inedible cup fungus

thunæm-wæsep

Polystichum lentum (D.Don.)

a fern, used as a bed of straw in the cattle shed

'thüsü

Machilus sp. /liso kaaula/

a tree. The shaman uses its branch which he sharpens at one end in exorcisms to ascertain the cause of the sickness by divination. He also uses the leaves to stab the evil spirit

that causes the sickness.

waarmæ

Dendrobium Pierardi Roxburgh /sunikhari/ ex Hook. f. an orchid with yellow flowers. The stem provides a strong fiber which is used to weave decorations on little brushes carried

by women and girls.

'waayaa bharnæm

Leucosceptrum canum Sm. /bhusure/

a tree with sweet smelling flowers. The leaves are used for

fodder

waayaa khaltap

Edgeworthia Gardneri (Wall). Meisner /algeri/

a bush with bark used for making ropes

wælbe

Michelia velutina DC. /càâp/

a very tall tree, used for timber. It is scarce nowadays

because of indiscriminate use in the past.

'wæsep Gleichenia linearis (Burm.) Clarke /niguro/

a large inedible fern

wös Ficus Hookerii (?) /mebhaaro/

fig tree with edible fruit. The leaves are use for fodder.

yaangyaas Prunus persica Batch. /aaru/

peach. Cultivated

yaasu Schima wallichii (DC) Korth /cilaune/

a tall tree with irritating bark. Its shoots are good for

fodder.

yocam Polygonum molle D.Don. /ThoDne/

a shrub with edible shoots

yongki (?) / /

an herb, used for making ropes

yor Ischaemum rugosum Salish. /baabiyo/

a grass growing on cliffs, used for making ropes and

brooms.

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