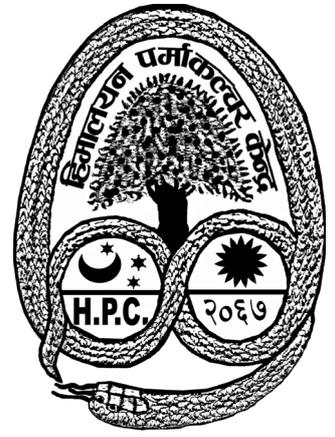


Himalayan Permaculture Centre  
Report, June - November 2021  
Photo Gallery – Surkhet



Above - The 0.3Ha site of the new Resource Centre (RC) in July 2019.

Right - the RC in November 2021 with training centre, dormitory, kitchen and toilet block complete with biogas, nurseries and agro-forestry under establishment



Left - RC Farm manager Ms Pampha Budha with an “air” nursery on the farm. This allows deep rooting seedlings, often legumes – in this case it is “Lekhali Ipil” (*Lucaena diversifolia*) – to be grown and transplanted with less root shock, increasing planting survival and growth.



Right - Mrs Parvati Gurung of Gurung Gaun with an innovative method of growing garlic in a sack on one of HPC's demonstration farms in Surkhet.



*Left* - Man B. Oli, of Hariyal Group in Khali Kharka displaying his SRI crop in September, shortly before harvest. This is “Black rice” a variety indigenous in India and brought to the area by HPC that is suitable for diabetics and has a high price in the market.



*Left* - Mrs Khima Pulami of Jagaran group weeding her lemon seedling nursery in Sano Khaltakura

*Below* - Pal B. Khatri of Khalikharka village (Hariyali group) in his cardamom crop. The group has produced over 90kg of cardamom in the past 6 months, out of a total of over 520kg in Surkhet.



In Mavidada village Dal B. Khatri (Janachetana group) was one of the first to acquire “Super” Napier, a new variety of Napier grass that produces more fodder – here seen in its second year planted on terrace edges, with mustard growing on the fields.

*Right* - Farmers are encouraged use catch and use all available resources. Here Bhakta B.Khatri of Jana Jyoti group in Pakhapani village is capturing livestock urine for use as a biofertilizer on his crops.



*Left* - Ram Bahadur B.K. of Shirjana group in Chaurgaun village with lemon grass and mulberry as fodder, citrus as food, and Bakaino Melia as timber and fuelwood, all on “waste” terrace edge land .



*Right* - Ram also has a fruiting trellis of Kiwi fruit he planted 3 years ago. High in Vit C Kiwi fruit has a high price on the market, and many farmers have started to harvest the first fruits.



*Left* - Napier and lemon grass with mulberry and citrus are what Pal B.Khatri of Hariyali group in Khali Kharka village chose to establish 3 years ago. Systems are becoming increasingly complex and productive as they mature.



*Left* - Mrs Anjuli Budha of Himal group in Ghatutol village, in her forest garden/agro-forestry plot where she grows over 35 species of fruit, fodder and multi-purpose trees, shrubs and grasses including apricot, cardamom, grape, kiwi, lime, orange, lemon grass, plum, chayote, apple, pear, yam, tomatillo and pomegranate.

*Right* - Bir B.Khatri of Hariyali farmers' group in Khali Kharka village took his PDC in 2018 and has since used the A-frame to create these new terraces on his sloping land. On the terrace edges he is planting napier, lemon grass, cardamom and comfrey between citrus, almond, pear and Asian pepper seedlings.



*Left* - Bhakta B. Khatri, a demonstration farmer from Jana Jyoti group in Pakhapani village showing his 4-year old agro-forestry on terraces he used to plough, now down to perennial food crops.

*Right* - Establishing blackcurrant cuttings in recycled paint tins in Khali Kharkha village.



Right - A green manure crop of *Daincha* (*Sesbania sesban*) growing at Shrijana Permaculture Farm in Gurvakot, home of HPC CEO Bhuvan Khadka. The *Sesbania* will be cut and ploughed in before planting rice.



Left - At the recent farmers' training at the Resource Centre in Surkhet, BC Anga Aidi (left) teaches grafting and budding methods to farmers including 4 from remote villages in Dhading district, where Anga and another BC are implementing a 3000 fruit tree project (mainly apples) with the local community.

Right - Participants learning about compost making on the farmers' training at the RC.



Left - Participants on the farmers' training observe the SRI crop growing in July on the RC with Bare-foot Consultant (BC) trainer Hommaya Gurung (centre).



*Left* - Participants on a mobile farmers' training in Pakhapani village (Janajyoti group) learn to establish a vegetable nursery.  
*Below* - Use of biofertilizers is an important tool in improving soil and plant health. Here participants in a training learn to make Bokashi fertilizer at the Surkhet RC.



*Left* - In the same training participants learn to make Phosphite bio-fertilizer using the "bazooka" method, burning rice husk and powdered bone.

*Right* - Weeding the SRI rice demonstration at the Surkhet RC in Tadhakhet during a farmers' training



*Right* - Chaff cutter in use at Shrijana Farm in Gumi, home of HPC CEO Bhuvan Khadga. Straw and green fodder are mixed and cut, being easier to digest reduces the amount of fodder needed to nourish the livestock – here there are cows and buffalo.

*Below* - Khagendra Khatri of Hariyali group in Khalikharka village displaying the improved livestock stall-feeding method. Farmers are given a part grant to build concrete floor and trough to make manure collection easier and feeding more hygienic.



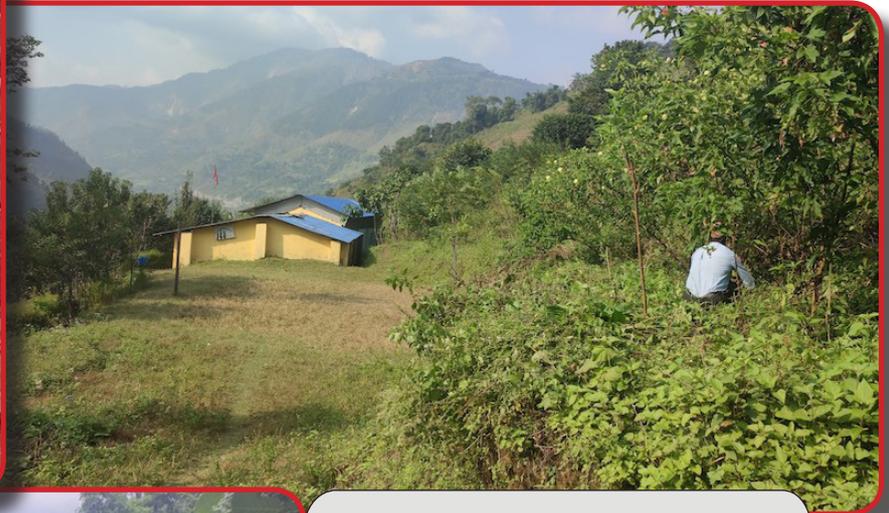
*Right* - Mrs Bina Gurung of Gurung Gaun (Pragasthil group) has received training to sew re-usable cotton menstrual pads, and with a small grant is setting up a business to produce them for the local community and beyond. She is also looking after a Billy goat provided to the group for breed-improvement.



*Left* - Participants at the end of a 5-day Women's Health Training at the RC .



*Left* - Harka B.Pulami with one of the 500 litre tanks provided to 15 households of Pragitshil group in Salga-dhi village for collection and storage of drinking water.

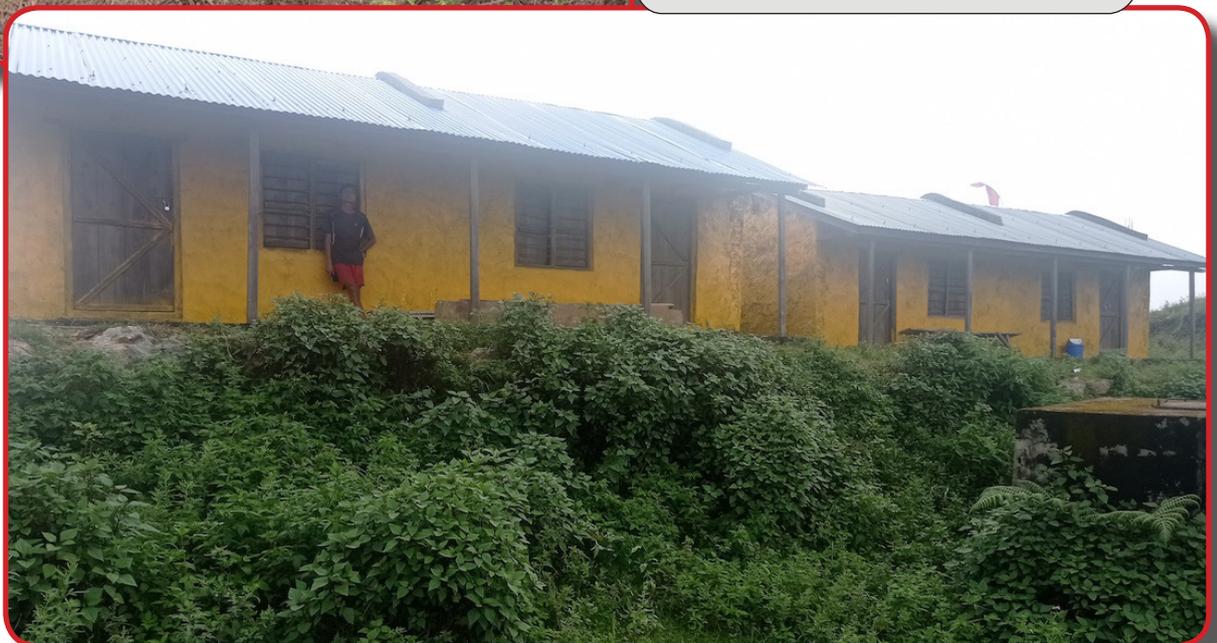


*Above* - Ganesh Primary school in Thulo Khaltakura village where HPC is establishing an integrated orchard/agro-forestry system.



*Left* - meanwhile parents, group members and staff planted 127 fruit trees – mainly citrus - on the land around Lali Gurans Primary school in Mavidada village over the monsoon.

*Below* - The local school of Hariyali group in Khali Kharka village has been freshly painted with locally produced natural paints developed by BC Hommaya Gurung.



*Right* - Ms Ganu Gurung of Pragatishil group in Gurung Gaun on her sewing machine. She has completed a 3-month sewing training and now is earning a partial income from sewing.

*Below* - Dal Bahadur B.K. of Shrijana group in Chaurgaun village learned blacksmithing skills, and now earns part of his living making and repairing tools for his local community.



*Above* - Harka B. Pulami of Pragatishil group in Salgadhi village is experimenting with organic cotton (in between his Napier/lemon grass/mulberry system), and if successful will increase the area under this valuable crop next year with the open-pollinated seed he can save.

*Left* - Harka is also an experienced beekeeper, as well as producing seedlings for sale and distribution, such as lemon, mulberry, Asian pepper and coffee.





*Left* - HPC staff using a hand-operated oil expeller to produce sesame oil. This simple machine allows small quantities of valuable oil to be produced at home. The oil seed cake pressed out of the end is also a valuable fertiliser, medicine and fodder.

*Below* - Mrs Ramkali Gurung and her husband process the Himalayan Giant Nettle (Nep. Allo. Girardinia diversifolia), involving soaking and pulverising the stems before boiling them in water and ash. The fibres are then able to be spun into yarn and then woven into fabric.



*Left* - A women farmers' field visit to Bhakta B. Khatri's agro-forestry system in Pakhapani (Jana Jyoti group) looks at the Asian pepper seedling nursery.



*Right* - Santa Kumar Tamang travelled from Ilam district in Eastern Nepal to take his PDC with HPC in 2018, sponsored by Almost Heaven Farms. Here on his land he has now established diverse agro-forestry plots as well as off-season vegetable production in a polytunnel, earning his livelihood from selling chayote coriander, chilli, cauliflower, cucumber, aubergine, garlic, slipper gourd, tea, radish, tomato, greens and milk. He also produces vermicompost to fertilize his crops.