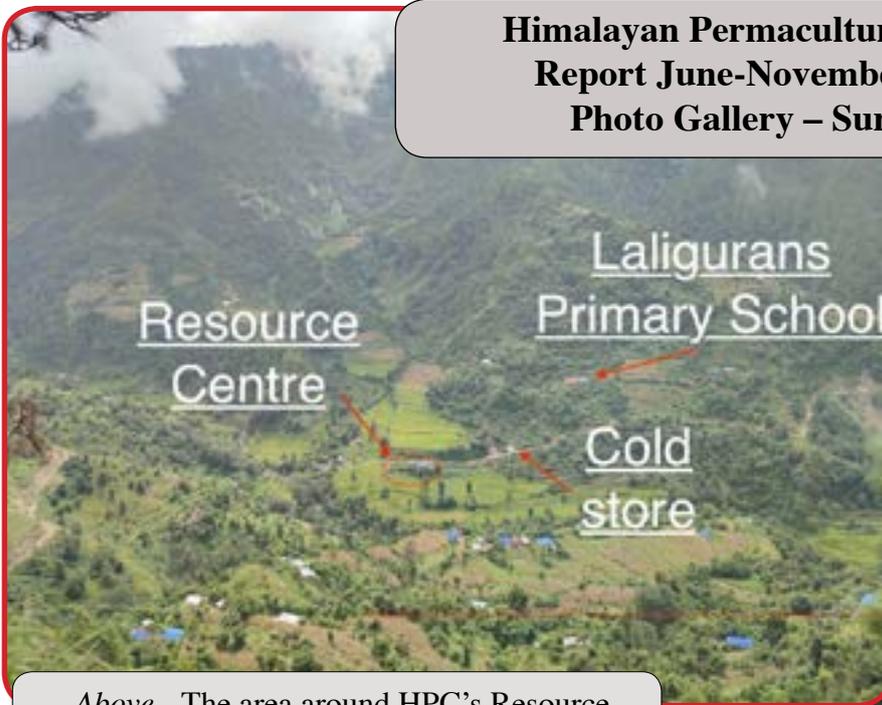


**Himalayan Permaculture Centre
Report June-November 2022
Photo Gallery – Surkhet**



Resource
Centre

Laligurans
Primary School

Cold
store



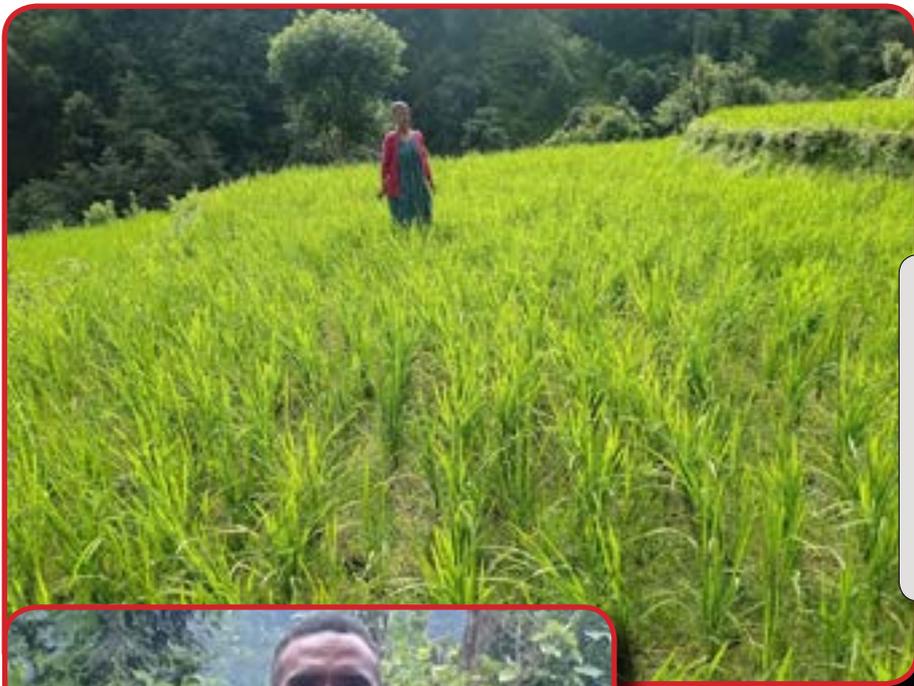
Above - The area around HPC's Resource Centre (RC) in the Chyarkule valley, showing the RC, cold store and Laligurans Primary school of Mavidanda village. The village in the foreground is Gurung Gaun.
Right - Maize cobs drying in the solar room at the RC. These are indigenous, selected seed for breed improvement and conservation.



Above - Part of the 250kg pumpkin crop harvested and stored at the RC in the late summer, with HPC's Surkhet coordinator and finance officer Ms Prabina Shrestha.

Right - Newly planted SRI paddy on Til B. Gurung's land in Mavidanda village (Jana-chetana group) in June. SRI is planted ideally at the 2-leaf stage as single seedlings and at wider spacing. These conditions give roots more space to access nutrients from less flooded soil.





Left - By late July the SRI starts to tiller after vigorous root growth, as here on Dilmaya Gurung's land (Pragatisil Group Gurung Gaun).

Below - Cutting the SRI rice at the Resource Centre.



Left - Bhakta B. Khatri of Pakhapani village (Jana Jyoti group) with Junard citrus seedlings packed up for distribution to Pakhe village (Hajaridanda group), about 2 hours' walk away.



Right - Mrs Dhansari Katri (on right) of Janachetana group in Pakhapani village watching as Asian pepper (Timur) seedlings from her nursery are packed up by HPC technician Mrs Indra Budha. These seedlings will travel to Humla for distribution to groups there. Asian pepper is a valuable cash crop in Nepal.

Right - Cauliflower and tomato seedlings propagated in recycled pots in a warm microclimate at the home of Mrs Dhansari Khatri in Pakhapani village.

Below - One of HPC's best demonstration farmers and "barefoot consultants" Bhakta B. Khatri of Pakhapani village (Jana Jyoti group) shows off one of his orange trees with heavy crop ripening in his agro-forestry plot.



Below - Mrs Dilsari Budha's orchard in Thakuri Tol (Navikaran group) – orange, lemon, lime and other citrus trees underplanted with lemon grass and other herbs, with chickens running through.



Left - Mr Harilal Batha of Pakhapani collecting his pear crop in July. He sold 600kg to entrepreneurs, earning around 18,000/-.



Left - Karna Bahadur Rawat of Pragatisil Krisak group of Salgari village harvests black cardamom from his plot. Over the past 4 years farmers have harvested and sold over 2,250kg of cardamom with a value of NRs 1,358,150/- (>£9,000).

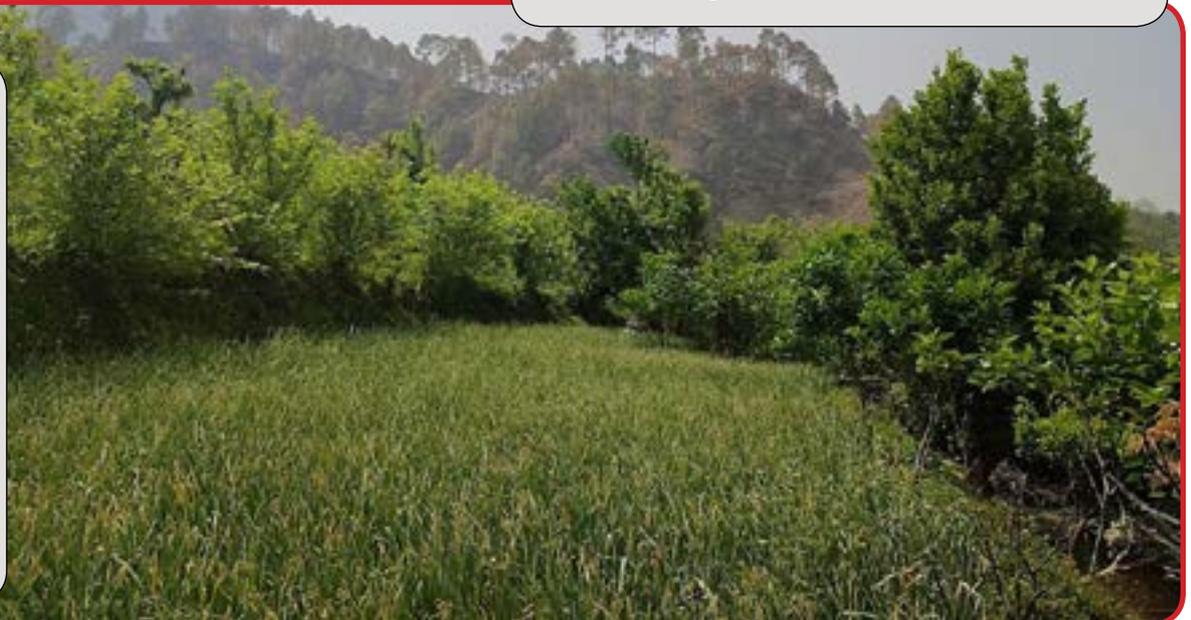


Above - Participants on a mobile farmers' training in Rajena leaning by practice how to make and plant a fruit rootstock nursery – here sowing wild peach seed, which in 1-2 years will supply another training for grafting.



Left - Mrs Usha Gurung of Shanti group with a package of citrus seedlings she is providing to plant at the local Primary School in Ma-vidanda village

Right - A plot of Demonstration farmer Dip Bahadur Gurung of Srijana group in Chaurgaun village with a garlic cash crop surrounded by an agro-forestry “hedge” of citrus, mulberry, Asian pepper trees interplanted with Napier and lemon grass.



Right - Barefoot consultant (BC) Tek B. Pun training farmers on a mobile raining in Lapan village to make vegetable keyhole beds, sowing a polyculture of seeds and covering with a light mulch to conserve moisture and keep weeds down.

Below - Farmers are taught by the BCs to make nurseries and vegetable beds using local resources and increasing the diversity of farm crops, here in Gogane village.



Above - Here farmers are shown how to make liquid manure and bio-fertilisers using local plant resources such as mugwort, nettle, marigold, garlic and comfrey. These are added to other ingredients including cow dung and ash and mixed with water.

Left - Chandra B. and Mrs Janaki Oli of Pakhapani village (Janajyoti group) using their chaff cutter – by cutting the chaff into smaller pieces it is easier to digest for the livestock, so less is more.



Left - Women's Health assistant Mrs Indra Buddha giving advice on use of the washable menstrual pads now being produced by trained group members in Humla and Surkhet. The pads are sold in sets of 5 (in each cotton bag as shown here) and will last up to 12 months, making them less than half the price of disposable pads, and without the plastic pollution.



Right - Washable menstrual pad-makers in Surkhet, 1 to 4: Mrs Manmaya Gurung, Mrs Lila Oli, Mrs Jankala Rokaya (from Humla) and Mrs Bima Gurung. In total 192 pads have been made and marketed over the past 6 months.



Above - School children from Gokharna secondary school in Pakhapani village receiving free washable pads from HPC.

Right - Women's Health Network training at the Resource Centre in Surkhet, facilitated by women's health expert Mrs Januka Bhattari (pink cap) and BC Mrs Hommaya Gurung (top right in light blue *kamij*).



Right - Pupils washing at a new drinking water tap stand built by HPC at Laligurans Primary school in Mavidanda village.

Below - New school painting supported by HPC of Ganesh Primary School in Thulo Khaltakura village.



Above - Parents and staff volunteering to clear seedlings planted last year as well as planting new seedlings at Laligurans Primary school in Mavidanda.

Left - Seedlings planted a year ago at Laligurans Primary school, including lemon, lime, orange and Asian pepper showing good growth after weeding and clearing by parents and staff.



Left - Chandra B. Oli of Jana-jyoti group in Pakhapani village planting trees (large cuttings) on spoil heaps from construction at Gokharna secondary school as part of a slope stabilisation/restoration initiative.

Below - Parents, teachers and group members from Hariyali Krishi group in Khalikharka village plant trees at Sagarmatha Primary School.



Left - Barefoot consultant (BC) Purna B. Pulami teaches farmers beekeeping in framed hives in Salkharka village (Shanti group).

Right - An experienced carpenter, Purna also teaches how to make the hives from local materials.



Right - Mrs Karisma Khatri of Jana-
chetana group in Mavidada village
with a plot of broad-leaf mustard
grown for seed production. This
year over 530kg of vegetable seed
was produced – 2,565kg over the
past 4 years. Most has been used
to trade between groups for their
kitchen gardens.

Below - Some seed is sold – here
Bhakta B. Khatri of Namuna Kisan
group in Pakhapani is weighing out
2.46kg of broadleaf mustard seed
he has produced.



Above - This year's organic cotton crop at Shri-
janshil Permaculture Farm in Gurvakot – cotton
has grown better at this lower-altitude farm than at
higher elevations, though it is still limited by the
effects of climate change, for the past 2 years the
yield has been affected by late season rains as the
cotton bolls are opening.

Left - Villagers from Gurung Gaun (Pragitshil Kri-
shi group) maintaining the mill race of the flour
mill supported by HPC.



Left - Villagers from Namuna Kisan group in Pakhapani repairing the roof on their multi-purpose mill.

Right - Medicinal herbs established around the tap stand at Mrs Nindra Rana's house in Khaltakura village (Ujwal group) – seen here is Aloe vera and Pattarkhat (*Bryophyllum pinnatum*) next to the tall Black Cardamom plant (also medicinal) on the left.
 Below - The newly constructed cold store in Mavidada village, close to the Resource Centre. Here carpenters are preparing and fitting shelves to hold fruit and vegetable products. The black chimney pipe is to draw cold air from behind/the base of the room up through the shelves, significantly lowering the temperature inside.



Right - The new fruit and vegetable collection centre at the RC in Tadikhet. Here, produce will be collected from the surrounding villages in order to be transported to markets. In this way even small amounts of produce from individual households can be combined to provide a larger supply.



Right - Ms Gyanu Gurung of Pragatshil group in Gurung Gaun at work on her sewing machine after completing a training provided by HPC. In total 7 women have earned over NRs 93,500/- from sewing new and repairing old clothes in Surkhet and Humla.



Above - Trainee blacksmith Ghanshyam Khatri of Hajaridada Krishi group in Pakhe village following training from HPC. In total 12 blacksmiths trained by HPC have earned a total of NRs 1,380,465/- (GB£9,200) since taking the training.



Above - Barefoot consultant Chitra B. Pulami (centre, sitting) has trained another group in furniture making at the resource Centre in Tadikhet. From previous trainings in Surkhet and Humla, 14 new carpenters have gone on to earn 1,056,000/- (over £7400) in the past 18 months.

Left - Participants on past Permaculture Design Courses from Surkhet meet for a follow-up workshop where they discuss challenges and successes, and further support they may need to advance their design skills.





Left - ToT graduates gather for a follow-up at the Resource Centre to share experiences and prepare for micro-teaching, where each will give a short, 1-3 hour mentored training in their village, providing a full lesson plan and budget before, and report, follow-up plan and receive feedback afterwards.

Right - A ToT (Training of Trainers) graduate Bir Bahadur Oli (l) of Hariyo Danda group in Pakhe gets experience in a micro-teach of compost-making in his village.



Above - Another ToT graduate Ms Tilisara Thapa (in green, top left) of Hariyali group in Khalikharka village leads her micro-teach of making a hot bed in her village.

Right - In her ToT micro-teach Mrs Saruswati Pulami (holding seed bag on left, blue shirt) of Ujwal group in Khaltakura teaches sowing a bed of “poly-veg” (mixed vegetables) to participants from her village.



Right - Ms Tilisara Thapa (in green, on left) of Hariyali Kri-shi group in Kha-likharka village teaching how to make a plastic waste bin from local materials in her 2nd ToT micro-teach.



Left - SRI farmers visit Mrs Manmaya Gurung's (R) paddy in August as the rice is flowering, measuring the area.



Right - Participants on a proposal-writing training held for BCs and farmers' leaders, led by training consultant Raj B. Giri (front, left) from Kathmandu Training Centre.

