

Preserving Ethnic Farming

food production. The glory of Kerala's the state. homestead farms was widely known to

eeping the productivity in continuity is the world till a few decades ago!. Unfortunately, the challenging goal for Indian this tradition along with the on-farm diversity, agriculture. Kerala can address this people's knowledge and innovations being fast challenge confidently as it has proven disappearing due to the obvious reasons of the records of homestead level sustainable changing cultural and developmental needs of

Article, discusses the Wayanad Ethnic



High end rice varities in Wayanad and adjoining regions

Veliyan (Mannu Veliyan): Drought and flood tolerant, source of high calorie energy, used in brewing home liquor and the burned husk is most preferred for homemade tooth powder

Chettuveliyan: Flood resistant, comparatively high yield, bold and red colored grain, nutritious and tasty rice, it gives a feeling of fullness when consumed, resistant to various biotic and abiotic stresses, high fodder yield as well as grain yield;

Palveliyan: Highly preferred for rice gruel ('Kanji'), white kernel;

Thondi: Tasty rice, red kernel;

Palthondi: Highly preferred for rice gruel, white kernel;

Marathondi: Red and stiff rice:

Chennellu: Holy and Medicinal rice, used as a cure for stomach ulcers, vomiting etc; considered as the king among traditional rices;

Kaima: Scented rice, preferred for preparing breakfast dishes and ghee rice;

Urunikaima: Scented, preferred for preparing breakfast dishes;

Mullankaima: Scented, used in the special occasions in the family;

Poothadikaima: Scented with strong aroma, preferred for preparing beaten rice; Gandhakasala: Scented, preferred for Biriyani and Payasam in special occasions

Jeerakasala: Scented, preferred for Biriyani and Payasam in special occasions in the family;

Mullanpuncha: Drought resistant;

Thonnuran Thondi: Short duration, traditionally treated as famine crop, harvested on emergency during the scarce periods;

Kalladiyaryan: Highly drought resistant. Suitable for valleys and terrains;

Onavattan: Tasty rice, introduced variety;

Chempathi: Scented rice;

Chomala: Highly tasty rice, white kernel, preferred to prepare break-fast dishes

during special occasions;

Chenthadi: flood tolerant, tasty grains.

Food and Nutrition Security of the Vulnerable Communities of Kerala



Agriculture System of -the Wayanad Ethnic major grain rice - some Agriculture System suggestions to revitalize this Heritage Agricultural System, very few locations of the and hopeful that sharing of Western Ghats region with this learning would help to rich design a suitable agricultural conserved at on-farm by the svstem sustainable nutrition to the vulnerable documented over 400 such communities of a global diversity comprising mostly Western Ghats.

Wayanad is one of the agro-biodiversity ensure ethnic communities like the and scheduled tribes. MSSRF has biodiversity hotspot like the landraces, cultivars, and in some cases distinct species in

valleys.

Tribal Communities

The tribal communities Kurichya Kattunaicka (9.93%), Adiya Kalladiaryan and forest dwellers.

family members living Kalladiaryan together in one single house cultivated during Punja. complex. The agrarian system Valicha Krishi of Kurichya have similarities

diverse genera (MSSRF with that of the traditional Report 2011). The farming agrarian society of Kerala takes place at both the steep existed before the Sangam mountain planes and on the period. (Suma 2014, Varma 2004).

Diversity of Rice

There are two crop constitute 17.43% of the total seasons for rice cultivation in population of the district, Wayanad, Nanja (monsoon which is the highest share of crop) and Punja (summer Adivasi population (about crop). Earlier tribal farmers 36%) in Kerala. The major cultivated long duration communities that inhabit the traditional varieties like district are Paniya (44.77%), Veliyan and Chenthadi during Mullu Kuruma (17.51%), Nanja and short duration (17.38%), traditional varieties like (7.10%) and Urali Kuruma Thonnooram thondi during (2.69%). These groups can Punja season. But now most broadly be categorized of these farmers cultivate respectively into agricultural traditional varieties with long laborers, marginal farmers duration during the first crop season, Nanja and High Kurichya are one of the Yielding Varieties like Athira, largest joint families of India, Uma, Kanchana, IR20 during often holding large land areas Punja. In certain pockets and with more than 100 short duration varieties like are

A unique form of rice

The varieties used are also tolerant to pests and diseases. The benefit of Valicha krishi is that even if the stem breaks; it develops new tillers and can survive in adverse conditions.



cultivation of the tribal The land selected for Valicha system is Valicha Krishi, krishi is usually marshy or which was widespread in water logged areas. earlier times owing to large landholding and reduced their uses in Wayanad is workload. Presently, it is done astonishing. It is based on the only in remote pockets in terrain, soil type, and climate, waterlogged/marshy fields the community here selected that are unsuitable for other the varieties for cultivation. cultivation. By this method, The other factors that long duration crops which can influenced in selection of withstand water logged varieties were type of conditions (preferably with a wetland, water availability, span of 7-11 months) are taste etc. The selection of selected, as minimum work is variety for the crop season done after seed broadcasting. was based on the crop The varieties used are also duration. tolerant to pests and diseases. The benefit of Valicha krishi 2011 showed that there were is that even if the stem breaks; more than 75 traditional rice it develops new tillers and can varieties

The rice diversity and

A study by MSSRF in cultivated survive in adverse conditions. throughout the district. Some





have evolved in this place and conserved this vast genetic wealth. The perpetuation. cultivation of such specialty (HYV).

of the varieties are believed to least 35-40 varieties of rice requirements for carrying out some were imported during cultivation. This richness of areas. Cooking quality, a common and threatening the course of immigration of genetic wealth of the district palatability, grain colour, scene in the district, which people from the plains. But can be attributed to the aroma, calorie content, questions the very existence this has reduced to 35 out of ethnic culture of value "rice as satiety, medicinal qualities, of the people whose food, which only less than ten are food and wealth", and they high fodder and grain yield nutrition and livelihood now extensively cultivated believe that it is their and cultural attributes security depends upon this here. If the situation goes on responsibility to handover influence the choice of a crop. like this it will take only a few this divine wealth, "seeds" to variety among the tribal droughts more years for the erosion of the coming generations for its communities. Resistance to becoming common in the

the only district having at meet the high-energy important.

through heavy tasks in high elevation lands to banana cultivation is biotic and abiotic stresses of district that have reasons like The experiences of the varieties too influences the this changed land use pattern. varieties is decreasing day by people who cultivate and choice. Traditional varieties Fighting all the odds the tribal day, the major reason being consume these varieties show are composed of unique traits communities of Wayanad still low productivity of these that the traditional varieties and are better adapted to produce traditional varieties varieties compared to the provide more energy in different conditions. As an as remnants of their rich High Yielding Varieties comparison to improved adaptation option for farmers tradition without any kind of varieties on a per unit basis for the imminent climate support. When compared to other and the consumption of change impacts, these districts of Kerala, Wayanadis traditional crops helps to varieties become extremely Community Agro Diversity Centre

Now conversion of paddy Unprecedented and

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