

Ecological pratacultural construction and sustainable development strategies in Guizhou

Mo Ben-tian¹, Feng Chang-song², Lu Xin-shi²

¹ Guizhou Institute of Prataculture, Dushan 558200 ² Beijing Forestry University, Beijing 100083 .E-mail :gzcyymbt163@sohu.com, Telephone :13765766188

Key words : zoology , prataculture , sustainable development , Guizhou

The pratacultural resource in Guizhou Guizhou Province is located in the upper reaches of the Yangtze and Pearl rivers , and governed by a sub-tropical monsoon climate . Soils of the 176 ,100 square kilometer region are typical of the mountains and hills that make up 97% of the area , Karst physiognomy accounts for 73% of the total land area with more than 1 ,800 species of forage plants in Guizhou province . Among them , are more than 1 ,400 species of shrubs and herbage plants . Natural grasslands comprise 24 .3% of the total land area . The rich forage resources and good climatic conditions make excellent conditions for grassland-animal husbandry .

Current grassland status Because of previous agricultural practices , including slash and burn agriculture and excessive grazing large areas of once natural grasslands are damaged . The result is bare ground and serious soil erosion leading to desertification .

The necessity of development ecological prataculture in Guizhou

Decrease grain production pressure Traditional animal agriculture in Guizhou has long been an important economic activity , through praised science and technology content , returned the tradition animal agriculture production way , Changed consume type animal agriculture to eating grasses type animal agriculture ,through developed and utilized natural grassland , built high yield and good quality artificial-pasture , processed good quality the grass product , and reduced the forage grains ,lighten grain production pressure , Avoid the natural grassland of destroy for grain supplies question , Being into healthy animal agriculture production .

Fathering the water loss and soil erosion , and protecting environment Guizhou is the ecological barrier in the upper reaches of the Yangtze and Pearl river basins . The water loss and soil erosion areas arrived to more than 7×10^4 square kilometer ,accounting for 40% of the total land . The water and soil erosion modulus arrived to 2800-5000t/km .h , Scarification and denudation waste land in the steep slope etc phenomena still existed .Stony desertification seed was quicken . It caused serious water and soil erosion , strengthen environmental conservation and fathered no time to delay . Strengthen scientific utilization to the grassland vegetation . Preserved ecological environment . Coming true continuable prataculture production and development .

The strategies of Guizhou ecological prataculture development For effectively utilization the grassland resource , Developed pratacultural economy and preserved the ecological environment , must carry out " three breakthrough" , Namely planted the grass should have large breakthrough , Developed and strengthened pratacultural industry , The mode of production should have large breakthrough , tracked the road of planting grass to raising animal , Assuredly changed tradition stock breeding production mode , Scientific stock keeping should have large breakthrough , Quicken pratacultural and forage project . The emphases were done well three aspect works : First , built good strains breeding system ,spread excellent varieties . Second , developed manual planting grass , Spreading ecological breeding .Third , developed technology innovation , improved technological level .