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## Study on Some Models Exploiting Pasture Industry in the South of China

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## Study on some models exploiting pasture industry in the south of China

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**Key words :** planting grass and fish-raising , combination of grass and forest , loss of water and erosion of soil , pasture processing

**Introduction** Southern china (SC) is located at latitude 15-33° north and longitude 100-125° east ,occurs in the tropical and subtropical zones , and includes the whole of the provinces of Fujian , Jiangxi , Hunan , Guangdong , Guangxi , Hainan , Guizhou , and the most parts of Zhejiang , Yunnan , Sichuan , and southeast parts of Anhui , Hubei , Taibet . Developing pasture models for use in southern China , has great potential for regulating the rearing of animals and developing herbivorous animals .

**The models of development and use** (1) Taking vigorous action to improve fish raising using planted grass and promoting the development of fish culture . Fish raising using planted grass is cheaper , quicker and has higher economic return than raising livestock on planted grass ;(2) In agricultural regions , making use of rice field to plant grass during the unoccupied winter period , expands the sources of manure and feedstuff ;(3) In hilly lands , rapidly expanding grass growing and utilizing the combination of grass and forest in young growth , was an important method of avoiding short term water loss and soil erosion ; (4) In mountain regions , the seeded artificial pasture could be used to make hay to help regulate the supply at the low and peak seasons .

**Discussion** The four models of planting grass were summed up by the author according to the production needs and feasibility in SC and with the author's experience over the years . It was thought that was the only way which could develop the grass industry in SC in the future . There were still some problems to be resolved , if the four above models were practiced . The main problems were the following :

(1) Great money-deficiency in mountain regions , where many facilities developed with improving the pasture , such as constructing roads , housing electricity and water facilities , require high investment . It was difficult to provide sufficient money to pasture construction according to the state's financial situation , and an input of foreign investment and jointly management is needed .

(2) Efficiency of energy resources and advanced processing equipment . The resources for processing grass and green vegetable in SC were abundant , but the processing was just during rainy season when the grass was high in moisture and consumed much energy . It was not convenient to rely on the energy from the sun and so must use advanced machinery . At present , there is a lack of the equipments suitable to SC's climate , and lack of electricity and coal .

(3) In mountain ares , the kinds of fruit tree which would be selected and their effects on the natural conditions in this region . And it was necessary to study the combination method of planting grass and tree .