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STUDIES ON RELATIONSHIP BETWEEN THE BIOCHEMICAL CHARACTERS OF SERUM AND LITTER SIZE OF BAMEI PIGS

Li Bichun

Lu Xingzhong

(Jiangsu Agriculture College, Yangzhou 225001) (Northwestern Agriculture University, Yangling Shaanxi 712100)

ABSTRACT

The relationship of litter size with the activity of alkaline phosphatase (AKP), ceruloplasmin (CP) and trans-amination (Gop) were analysed by regression. The results showed that the heritabilities of AKP, Gop, CP were 0.498, 0.360, 0.254 resp. higher than that of litter size (0.109). There were significant relationships between litter size and Gop, CP (0.32, 0.27 resp). Analysis of indirect selection efficiency indicated that selection responses of Gop and CP were 105.7%, 102.9% resp for litter size. Path analysis revealed that path coefficient of Gop, CP to litter size were 0.309, 0.293 resp ($p < 0.05$). The results showed that litter size were related to Gop, CP closely.

Key words Bamei pigs; Ferment activity; Litter size

塑料折簇立体片叶养大蚕技术

The Techniques of Rearing of silkworms at 4th-5th Instar larva with plastic folioly Mountage

李自莲 吴远举

(陕西省黄土高原治理研究所 米脂 718100)

该项研究为国家攻关项目《米脂丘陵沟壑区农业生态经济体系研究》的子课题。1992年9月陕西农业科学院组织省、地专家鉴定为创新技术成果。

将塑料折簇置于蚕箔中饲养大蚕,使蚕座由平面变成立体,从而解决了大蚕踏叶的难题;还达到了节约用桑的目的,使公斤桑叶收茧量提高15.84%~18.68%,收茧层量提高17.51%~20.81%。经济效益增加33.36%~36.67%。在养蚕的同时,以可兼作除沙网。使塑料折簇既能上簇营茧又养蚕除沙,一物三用,降低了养蚕成本。