

烟叶节能初烤房系列设计

Study on Series Design of Energy-Saving Flue Cured Tobacco-Room

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中文摘要:

介绍了我国烟叶节能初烤房系列设计的方法、优秀炕种选择的依据,评估烟叶初烤房的指标体系。并对选出的优秀炕种进行了对比试验。结果表明,三种系列烤房的设计是符合我国实际的,系列烤房热利用效率均比旧式烤房提高30%以上;热交换器5年不需维修,烟叶质量平均提高0.5~1个等级;操作技术要求不高,适于烧型煤、散煤和柴三种系列烟炕。系列烤房前景广阔,每年节煤效益显著,烟农收入增多。

英文摘要:

The method of series design, the criteria for the selection of excellent construction and the appraisal index system of the energy saving flue cured tobacco room were introduced and comparing tests of the selected constructions were conducted. Test results showed that all the 3 series of room design were adaptable to Chinese conditions. Their thermo-efficiency was about 30% higher than that of the old ones. The heat exchanger could have a service life of 5 years without repair, Tobacco quality could be raised by 0.5 to 1 grade. The curing room was easy to operate and could be accommodated to the burning of molded coal, loose coal or even timple. There will be a bright prospect for the series curing room with evident yearly savings of coal and increase of farmer's income.

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