

双层充气塑膜温室经济技术评价

Economic and Technical Assessment on Double Inflated Plastic House

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中文摘要:

在介绍双层充气温室构造特点的基础上, 通过对比和分析单层塑料温室和双层充气塑料温室的基本投资和长期运行费用, 评价了双层充气温室的节能效果, 提出了双层充气温室在我国的适宜发展地域, 并对双层充气技术在玻璃温室上的应用及节能前景进行了分析和探讨

英文摘要:

Double inflated plastic house is one of the high efficient energy saving horticultural facilities. It is specially favorable to the areas where solar radiation is rich enough and the coal supply is in shortage or high price. Combining capital investment and running expense, this paper analyzed the total cost between single layer covered plastic house and double inflated plastic house. At China's present price condition, the double inflated plastic house has an obvious advantage comparing to the single layer covered plastic house when the coal consumption in winter is more than 30 kg/m² for single layer covered plastic house or glasshouse, which areas are that the accumulate temperature less than 5 °C in winter is > -600 °C. Some construction characteristics and applications as well as the advantages and disadvantages of the double inflated plastic house were also presented in this paper.

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