

题 目 花生果实采摘机

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摘 要

花生采摘机构能够提高众多种植花生的劳动人民的收割效率，使我国农业机械化水平得到一定的提高，能够极大的减轻农民的工作负担。本人通过网上查询资料，询问老师等方法了解到众多花生采摘机构的信息，设计出半喂入式花生采摘机构，此次机构结构较简单，制造成本适中，比较适合花生种植户的使用。但本机构仍存在几处缺陷，如：摘得的花生中存在少许杂物，花生需晒干后再放入机器等。不足之处仍需日后继续研究克服，以提高在花生收割方面的自动化，机械化水平。

关键词：半喂入式；花生摘果机；摘果；带轮；电机

ABSTRACT

Peanut harvesting institutions can improve the harvesting efficiency of many peanut farmers, improve the level of agricultural mechanization, and greatly reduce the workload of farmers. I learned a lot of information about peanut picking mechanism through searching information on the Internet, asking teachers and other methods, and designed a half feed peanut picking mechanism. The structure of the mechanism is simple and the manufacturing cost is moderate, which is more suitable for peanut growers. However, there are still several defects in the mechanism, such as: there are a few sundries in the picked peanuts, and the peanuts need to be dried before being put into the machine, etc. In order to improve the level of automation and mechanization in peanut harvesting, it is necessary to continue to study and overcome the shortcomings in the future.

Key words: Full feed type; peanut picker; fruit picker; pulley; motor

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