

稻麦联合收获开沟埋草多功能一体机设计Design of Harvest Ditch and Stalk-disposing Machine

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关键词: 联合收获 开沟 秸秆还田 复式作业 设计

摘要: 设计了一种集稻麦收获开沟埋草等功能于一体的复式作业机械, 该机采用联合作业方式, 一次作业可完成联合收获、开沟、埋草等作业。田间试验表明, 该机传动合理、工作可靠、开沟作业质量稳定, 梯形沟上、下口宽分别约为220mm和160mm, 平均深度为193mm, 满足农艺埋草、排水的要求。A multifunctional machine with functions of harvest, ditch and stalk-disposing was developed, by using which, the working procedure of harvest, ditch and stalk disposing can be implemented in one work operation. Test results showed that the power transmission system is reasonable, firm ditch device works well, trapezoid ditch (193mm mean depth, 220mm top and 160mm bottom width) can be obtained and meets the agricultural requirement.

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