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作者: 牛媛媛¹ (KeySearch.aspx?type=Name&Sel=牛媛媛); 徐铭辰¹ (KeySearch.aspx?type=Name&Sel=徐铭辰); 陈海涛² (KeySearch.aspx?type=Name&Sel=陈海涛); 余永昌¹ (KeySearch.aspx?type=Name&Sel=余永昌)

1. 河南农业大学 机电工程学院, 河南 郑州 450002; ?
2. 东北农业大学 工程学院, 黑龙江 哈尔滨 150030

Author(s): NIU Yuan-yuan¹ (KeySearch.aspx?type=Name&Sel=NIU Yuan-yuan); XU Ming-chen¹ (KeySearch.aspx?type=Name&Sel=XU Ming-chen); CHEN Hai-tao² (KeySearch.aspx?type=Name&Sel=CHEN Hai-tao); YU Yong-chang¹ (KeySearch.aspx?type=Name&Sel=YU Yong-chang)

1. College of Mechanical & Electrical Engineering of Henan Agricultural University, Zhengzhou 450002, China; ?
2. College of Engineering of Northeast Agricultural University, Harbin 150030, China

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摘要: 为满足我国黄淮海地区农民对大豆免耕播种机的需求,国家大豆产业技术体系的专家联合东北农业大学研制了2BMFJ-6型麦茬地免耕覆秸施肥播种机。对该机具关键部件清秸防堵装置和施肥播种组合单体等进行了相应的试验分析和适应性研究。根据免耕播种机性能检测项目与检测方法,对该机具进行了田间试验。试验证明,2BMFJ-6型麦茬地免耕覆秸施肥播种机一次进地能顺利完成种床整理、侧深施肥、精密播种、覆土镇压和秸秆覆盖等作业,播种效果较好、作业效率、稳定性和可靠性较高,在黄淮海地区适应性较强,是一种较为理想的麦茬地大豆免耕播种机。

Abstract: In order to meet the needs of farmers in our country region of Huang-huai-hai to soybean no-till planter, expert of national soybean industry technology system combined the Northeast Agricultural University developed BMFJ 2-6, the stubble land of no tillage straw fertilizing and seeding coating machine. This article has carried on the corresponding test analysis and adaptability of the device which cleaning straw to collect key components and the fertilization seeding monomer of the machine. According to the properties of no tillage planter test items and methods of detection, the equipment was tested in field. The test proved that the 2BMFJ-6 type no tillage stubble land of straw fertilizing and seeding coating machine once could complete bed into the setup, and deep side fertilizing, precision seeding, soil covering press and straw mulching operation smoothly etc. The seeding effect was better, the operation efficiency, stability and reliability were higher. The adaptability in Huang-huai-hai region was stronger, it is an ideal soybean stubble land of no tillage planter with wheat stubble fields.

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第一作者简介: 牛媛媛(1987-), 女, 硕士, 主要从事覆秸式大豆免耕播种机适应性研究。E-mail: 874086154@qq.com。

通讯作者: 余永昌(1955-), 男, 教授, 博导, 主要从事农业装备与机器系统研究。E-mail: hnyych@163.com。

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