

## 中国农业装备产业发展战略研究

### Developmental strategies of the Chinese agricultural equipment industry

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中文摘要:

该文深入分析了中国农业装备产业发展现状与态势、发展中存在的问题与制约因素, 提出振兴中国农业装备产业要实施自主创新战略、现代制造技术改造提升战略、组织结构优化战略、品牌培育战略以及市场拓展战略5大具体战略, 以实现2010年农业装备制造工业总产值翻一番, 装备技术自主创新能力显著增强; 2020年农业装备工业总值将在2010年基础上再提高50%, 步入世界农业装备制造强国行列的阶段战略目标。探讨了中国农业装备科技创新体系建设的重点在于强化国家农业装备工程技术研究中心建设、打造大型农业装备制造企业、推进中小企业间合作创新, 以增强共性技术研发能力、逐步培育农业装备产业创新主体和构建农业装备技术集成与推广服务平台。最后提出了完善农业装备科技创新机制的政策建议, 重点在于建立新型农业装备科技创新运行机制, 整合创新资源引导建立产学研合作创新的长效激励机制, 建立多元化农业装备创新资金投入机制。

英文摘要:

In this article, the present situation and obstructive factors of the Chinese agricultural equipment industry were analyzed, and the development strategies, e.g., independent innovation program, improvement of the advanced manufacturing technology, optimization of the industrial structure, brand breeding strategy, and market expanding strategy, were discussed. The aims of these efforts are to fulfill the goals that in the year 2010, the net value of agricultural equipment industry should be doubled, the ability of scientific and technical innovation should be improved significantly; in the year 2020, the net value of agricultural equipment industry should increase another 50% of that in 2010, making China a strong country in the field of agricultural equipment industry. The key programs for scientific and technical innovation in Chinese agricultural equipment industry were to establish the National Agricultural Equipment Technical Research Center, incubate large and successful agricultural equipment enterprise, and facilitate collaborative innovation between small and medium enterprises, in order to improve the innovative ability of general technology, to incubate innovative enterprises and to establish platforms for integration and update of technology. Novel mechanisms for scientific/technological innovation and encouragement in agricultural equipment industry, integrating resources, as well as mechanisms for new investments, are essential to consummate policies for agricultural equipment industry innovation and long-term development.

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