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# 世界农业

## WORLD AGRICULTURE

- 欧盟农业研究与创新的战略路径分析
- 扶贫与社会保障制度结合的减贫国际经验启示
- 中德环境友好型畜牧业发展比较：现状和对策

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# WORLD AGRICULTURE

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# MAIN CONTENTS

## International experience of poverty alleviation in combination of social security system

..... ZHANG Jing, XU Zhuqing (9)

By analyzing the social protection index in Asia-Pacific region and summing up the experience and practice of combining social security with poverty alleviation in Britain, America and India, this paper holds that the international experience of combining poverty alleviation with social security system can be summarized as that social security is not naturally pro-poor, but many countries try to establish inclusive social security system. There are contradictions between inclusive social security and poverty targeting, but the poverty alleviation effect of social security system can be improved by expanding social assistance, establishing incentive compatible system and changing poverty targeting methods. Investment in the future and multi-sectoral cooperation are important directions and means for the integration of poverty alleviation and social security. Based on the international experiences and the problems of lack of laws, inadequate measures and inefficiency in the field of poverty alleviation and social security in China, this paper puts forward policy suggestions on strengthening policy innovation, enhancing the coverage and depth of social security system, and encouraging multi-participation in the combination of poverty alleviation and social security.

## Enhancing the environmental awareness of agricultural production and organic agriculture development

—Based on the enlightenments from European and American subsidy policy for organic farming

..... WU Wenhao, ZHOU Lin, YIN Changbin, et al (36)

Chinese organic farming has been growing dramatically since 2007, which is closely linked to consumers' cognitions of organic food—safety and health; however, unlike in Europe and the US, environmentally friendly agriculture is considered as the starting point for promoting organic farming. After several decades of developments, Germany and the US have already developed a mature supporting system of organic farming. Specifically, Germany is more focused on producers' interest, while the US prefers to promote price marketization. China, without systematic subsidy policies, need to seriously review the current organic farming system. This research suggests that the government should establish subsidy schemes for all producers, enhance relative propaganda and education to producers and consumers, and reinforce the scientific research and data collection.

## Land support policy of family farm: experiences and enlightenments of Japan, France and Germany

..... FAN Fan, ZHAO Cuiping (49)

As an important new type of agricultural management, family farms have always faced the dilemma of acquiring the most important production factors of land. This paper draws on relevant experiences of countries such as France, Germany, Japan to support the development of family farms with land policies, and proposes relevant suggestions for promoting the development of family farms in China, helping them solve land problems and realizing scale operations, including providing rewards and social security to reduce the dependence of land transferors on land, increasing funding and credit support to reduce the cost of land transfer to family farms, improving legislation as soon as possible to provide legal protection for both parties to land transactions, and giving full play to government functions to guide orderly land transfer and so on.

## Influences of the country-of-origin on consumers' evaluation of productions with the same organic certification

—Evidence from imported milk

..... LIU Xin, ZHU Zhanguo (63)

With the rapidly development of international trade, more and more organic food with different country-of-origin, and various organic certifications come into Chinese market. As two important quality cues, there is no studies analyzing the country-of-origin effect on organic food consumption with the same organic certification. Based on 338 surveyed questionnaires, firstly, the paper finds that Chinese consumers prefer organic food with European organic certification from Germany, and they prefer less organic food from Italy. Secondly, compared with Chinese organic certification, consumers prefer foreign organic certifications. Thirdly, the interactions result show that consumers with high-level country-of-origin confidence prefer organic food from related country-of-origin. Thus, the country-of-origin effect on organic food with the same organic certification is related to consumers' confidence on food's country-of-origin.

## Agricultural frontier technology progress, technical efficiency and farmers' income increasement

..... LI Jie, ZHANG Lanting (70)

Agricultural technological progress can be decomposed into frontier technological progress and technological efficiency. The choice of different technological sources may have a heterogeneous impact on farmers' income. With Chinese provincial panel data, the model of overcoming endogeneity is adopted, the paper brings the agricultural frontier technology progress, technical efficiency and farmer income increasement into the unified analysis frame. The empirical research shows that, the improvements of agricultural frontier technology progress and technical efficiency have a significant positive effect on farmers' income, and the marginal effect of the latter is greater than that of the former. The effects of frontier technology progress and technical efficiency on farmers' income have regional heterogeneity. Both the agricultural frontier technology progress and technical efficiency have a significant positive effect on farmers' income in the East and Central China, however, the effect of agricultural frontier technology progress on farmers' income is not significant in the West China. Our research provided direction on how to use agricultural science and technology to increase farmers' income.

## Introduction and spread of American cassava in Africa

..... LIU Jia, ZHANG Jian (83)

Cassava and potatoes, sweet potatoes are known as the three largest potato in the world. Africa is the largest cassava producing area in the world. Cassava originated in South America. After introduced into Africa, cassava was mainly cultivated in Central Africa, West Africa and East Africa. In Central Africa, cassava was introduced by Portuguese at the latest half of 16th Century, and was rapidly promoted. In West Africa, cassava was introduced by Portuguese in 17th Century, and the promotion process was slow at first and then fast. Cassava did not be introduced into East Africa until the first half of the 18th Century, and was slowly promoted. The main reasons for these differences in the diffusion of cassava in Africa are natural factors, trade routes, slave trade, famine wars and so on. The introduction and spread of cassava have deeply changed Africa's diet structure, promoted population growth, played a role in disaster preparedness and relief. In all, it has a profound impact on Africa's history and reality.