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中国农业蜜蜂授粉的经济价值评估

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Economic Values of Bee Pollination to China’s Agriculture

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摘要 【目的】通过研究蜜蜂授粉与农业生产的关系，评估农业蜜蜂授粉的经济价值，为明确养蜂业在中国农业生产中的经济地位，推动养蜂扶持政策的发展提供理论支撑。【方法】采用蜜蜂依存度估价法，评估2006—2008年间中国36种主要授粉农作物蜜蜂授粉的经济价值，并探讨农业生产对蜜蜂授粉的需求。【结果】蜜蜂授粉对中国农业生产具有显著的促进作用，2006—2008年间36种主要作物蜜蜂授粉的年均价值高达3 042.20亿元，是中国蜂业总产值的76倍，相当于中国农业总产值的12.30%。农业生产对蜜蜂授粉的需求很大，2008年仅蔬菜、果树、棉花等作物需要授粉蜂群的数量就达6 000—8 795万群（15框蜂）。【结论】养蜂业是现代农业的重要组成部分，蜜蜂授粉是不可或缺的农业生产投入，且需求巨大。应该重视养蜂业，既要提高蜜蜂授粉价值的社会认知度，同时也要为养蜂业的发展提供强有力的政策支持。

关键词： 蜜蜂 蜜蜂授粉 经济价值 授粉依存度

Abstract： 【Objective】 Through studying on the relationship between bee pollination and agricultural production, the economic value of bee pollination to agriculture was estimated for making clear the situation of apiculture in agriculture and providing a theoretical support for development of apicultural support polices in China. 【Method】 A bee pollination dependence valuation method was used to assess the economic value of bee as pollinators of 36 crops during 2006-2008, and the honeybee pollination demand of agricultural production in China was also discussed. 【Result】 There was a significant role in promoting the development of agriculture in China. The average economic value of 2006-2008, contributed by bee pollination, was estimated at￥304.22 billion, which was equivalent to 76 times the value of apicultural production, 12.30% of the gross output value of agriculture in China. There was a great demand for honeybee pollination in agriculture production, only vegetables, fruits, cotton and other crops required 60-87.95 million colonies(15 frames honeybees colony) pollination in 2008. 【Conclusion】 Beekeeping industry is an important component of modern agriculture, bee pollination is essential for agricultural production and there is also a huge demand. Therefore we should pay attention to beekeeping industry, not only to improve the level of social cognition in the value of bee pollination, but also provide powerful policy measures to support the development of apiculture in China.

Key words： bee bee pollination economic value pollination dependence

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