

推进农业工程科技创新，建设社会主义新农村

Promoting the innovation of agricultural engineering science and technology, building new socialist countryside of China

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英文关键词：agricultural engineering; new countryside; science and technology innovation; synthetic integration; construction; scientific and technological support

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中文摘要：

通过对社会主义新农村建设重大意义和新农村建设主要内容的分析，阐述了农业工程在新农村建设中的地位和作用，提出了推进农业工程科技创新，充分发挥农业工程综合集成优势，通过提供科技支撑为新农村建设做贡献。农业工程在新农村建设中应重点发挥六大集成技术优势：农田基础设施建设集成技术、农业生产过程机械化集成技术、生产生活生态设施集成技术、生物质综合利用集成技术、农村能源与村舍民居集成技术、农产品加工与农业循环经济集成技术。

英文摘要：

The great significance to and the main contents of building new socialist countryside of China were analyzed, and the position and role of agricultural engineering in new socialist countryside construction were discussed. The author holds the opinion that agricultural engineering science and technology should play a greater role in contributing to the new countryside construction through technological innovation, fully exerting the synthetic integration advantage of agricultural engineering, and providing scientific and technological support. In the process of building the new socialist countryside, the following six integrated technologies should be emphatically developed, i.e. integrated technology for basic farmland infrastructure construction, integrated technology for the mechanization of farm production process, integrated technology for production, livelihood and ecological facility, integrated technology for comprehensive use of biomass resources, integrated technology for rural energy and village civil construction, and integrated technology for agricultural produce processing industry clustering and agricultural recycling economy.

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