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THE DEVELOPMENT OF PROCESS MECHANIZATION PRODUCTION AND TECHNICAL SPECIFICATION OF THE ENTIRE PROCESS MECHANIZATION OF RAPE IN EASTERN CHINA

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ABSTRACT Rape is the most important winter crop in China, however, the traditional production mode by manual labor has seriously hindered the production of Rape. This paper exposes the situation of rape production in East China regarding Mechanized Rape, scale of mechanization, main agricultural machinery and relative agronomy. Some restricted factors were compared and countermeasures were proposed to develop the entire mechanization process for production of rape. By analyzing the current situation of rape production, this paper puts forward the technical specification of the entire mechanization of rape production. It also details key technologies, the standards and the requirements, as well as the available farm machines such as direct seeding, management, harvesting and drying, which is useful for promoting the entire process of automation production of rape in China.

Keywords: Rape, whole-process mechanization, technical specification, agricultural engineering