

研究论文

气候变化对我国南方双季稻发育和产量的影响

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摘要 基于WOFOST作物模式, 结合气候模式输出的气候情景资料, 模拟研究了未来100 a (2001-2100年) 气候变化对我国南方双季稻发育和产量的影响。结果表明: 未来气候情景下, 我国南方大部分地区双季稻(早稻、晚稻)的生长期会有所缩短; 产量可能会有所下降, 但下降的幅度不是很大, 其中早稻受气候变化的影响较大。

关键词 [气候变化,模型,双季稻,发育,产量](#)

分类号

Effect of Climate Change on the Growth and Yields of Double-Harvest Rice in the Southern China

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Abstract Based on the WOFOST crop model, jointing the climate simulated data produced by climate model, the simulation research was carried out about the impacts of the climate change on the yields and growth of double-harvest rice in the southern China during the future one hundred years. Results showed that, 1) the life time of double-harvest rice will be shortened owing to climate change; and 2) the yields of double-harvest rice will be decreased to some extent, especially the early rice. But the decreasing rate is not so fast.

Key words [climate change,crop model,double-harvest rice,growth,yields](#)

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