

研究论文

气候变暖对甘肃冬油菜(*Brassica campestris* L.)种植的影响

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摘要 20世纪50年代以来, 全球性的气候变暖极大地影响了农业种植结构。甘肃冬油菜的种植面积、产量水平等也发生了较大变化。为探讨气候变暖对冬油菜(白菜型)种植的影响, 本文运用甘肃省河东地区16个气象站1961—2003年 $\geq 0^{\circ}\text{C}$ 积温、冬油菜种植面积及物候期观测资料, 应用数理统计方法分析研究表明, 80年代以来, 由于气候变暖, 甘肃省冬油菜种植带向北扩展约100 km, 种植海拔高度向上提高了100~200 m; 冬油菜整个生育期缩短17~32 d; 单产水平有所提高。

关键词 [气候变暖](#) [冬油菜](#)

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Impact of Climate Warming on Winter Rape Planting in Gansu Province

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Abstract The structure of agricultural planting has been influenced by global climate warming since 1950s, causing a lot of changes in the planting area and output of winter rape. In this research, the data from 16 weather stations on accumulated temperature ($\geq 0^{\circ}\text{C}$), winter rape planting area, yield, and phenological observation in the East Parts of the Yellow River valley in Gansu were analyzed with the methods of mathematical statistics. The results showed that for winter rape, the planting area was extended about 100 km northwards, 100 - 200 m high above sea level (Fig.2) and the whole growth periods shortened 17 - 32 days (Table 2), the yield also improved under climate warming.

Key words [Climate warming](#) [Winter rape](#)

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