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### 不同污染经历的玉米在高低温胁迫下SOD酶活性的变化

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### Change of SOD activity in corns experienced with different polluted duration under high and low temperature stresses

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**摘要** 利用经历过污染时间长度不同的2个玉米品种的各4个种群进行高低温胁迫后,测定其叶片SOD酶活性,根据其变化分析经历污染后的种群抵抗温度胁迫的能力的变化,结果表明:随着污染经历的延长,各玉米种群的抵抗高低温胁迫的能力均有增加,玉米对污染及温度胁迫的适应呈现一定的协同性。

**关键词:** 玉米 高低温胁迫 超氧化物歧化酶(SOD)

**Abstract:** Corn varieties that had experience with different polluted duration were exposed to high and low temperature stresses, and change of superoxide dismutase(SOD) activity were determined. The results showed that all populations had adaptation to a certain extent. The resistant to extreme temperature stresses of different corn populations were enhanced with the increasing of polluting duration. As to corn population, there are some consistency in resisting pollution and extreme temperature stresses.

**Key words:** corn(*Zea mays*) high and low temperature stresses superoxide dismutase(SOD)

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