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植物生理科学

铅胁迫对十字花科种子萌发及幼苗生长影响的研究

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摘要: 摘要: 本文研究了不同浓度铅胁迫下十字花科种子萌发及幼苗生长及其叶绿素含量的情况,结果表明:铅胁迫对十字花科种子萌发具有低浓度下的激活效应和高浓度下的抑制效应;对幼苗苗长具有胁迫初期低浓度下的激活效应,随着胁迫时间的延长,转而表现为抑制效应。对幼苗根长具有显著的抑制效应。幼苗生长状况比种子萌发更能体现铅毒性的大小。

关键词: 关键词: 铅胁迫 十字花科 种子萌发 幼苗生长 叶绿素

Study on the influence of lead stress on the mustard family's seed sprouting and seedling growing

Abstract: Abstract: This article had studied the situations of the mustard family's seed sprouting and its seedling growing and the content of chlorophyll in its seedling in different concentration of lead stress, the conclusion of study had indicated lead stress on the mustard family's seed sprouting is that the low concentration of lead has activation but the high concentration of lead has check effection; And the conclusion of study had indicated lead stress on the mustard family's seedling growing is that the low concentration of lead has activation in the start time ,but then it turn to check effection with the lapse of time. The conclusion of study had indicated lead stress on the root growing of the mustard family's seedling is obvious check effection. The conclusion of study had indicated lead stress on the seedling growing of the mustard family's seedling is the pernicious effects of lead had embodied even more big check effection to seedling growing than to seed sprouting.

Keywords: Keywords: lead stress the mustard family seed sprouting seedling growing chlorophyll

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