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[1]宋艳宇,张浩,王岩,等.氯嘧磺隆在大豆植株和土壤中的残留动态研究[J].大豆科学,2007,26(04):634-636.  
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## 氯嘧磺隆在大豆植株和土壤中的残留动态研究

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 摘要: 为了制定氯嘧磺隆在大豆上的安全使用标准,将50%氯嘧磺隆可湿性粉剂于大豆生长期进行茎叶喷雾处理,用高效液相色谱法,研究了氯嘧磺隆在大豆植株及土壤中的残留动态,测定了氯嘧磺隆在大豆及土壤中的残留量。两年的试验结果表明,氯嘧磺隆在大豆植株中比在土壤中降解得快,其半衰期分别8.7~8.6 h和10.7~11.7 d。大豆收获期籽粒中最终残留量低于0.05 mg/kg,土壤中最终残留量低于0.03 mg/kg。  
 Abstract: In order to set up a standard procedure for safe use of Chlorimuron-ethyl in soil and soybean plants, a field experiment was conducted in 2004 and 2005 year and the residual dynamic of Chlorimuron-ethyl in soybean and soil were analyzed by HPLC. he results showed that Chlorimuron-ethyl decomposed fastly in both soybean plants and soil. ts half-lives in soybean plants and soil were 8.7-8.6 hour and 10.7-11.7 day, respectively. he final residues of the Chlorimuron-ethyl in soybean and soil were < 0.05 and < 0.03 mg/kg respectively.

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