

论文

## 外源调节物质对烤烟烟碱含量的影响

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**摘要** 研究了生物型复合剂(A)、氨基酸-硼、锌复合剂(B)、铵类化合物(C)3种外源调节物质对烟叶烟碱含量的影响。结果表明,打顶或团棵时叶面喷施A调节物质促进了烟叶烟碱的积累,且以打顶时喷施的效应更为明显;下部烟叶采烤后叶面喷施B调节物质可以明显提高中上部烟叶烟碱含量;打顶后喷施C调节物质可以明显降低中上部烟叶烟碱含量。团棵期喷施A调节物质,打顶后配合喷施C调节物质,提高了中下部烟叶烟碱含量,对中上部烟叶烟碱含量效应不明显;团棵期喷施B调节物质,打顶后配合喷施C调节物质,提高了中下部烟叶烟碱含量,降低了中上部烟叶烟碱含量。

**关键词** [烤烟; 烟碱; 外源调节物质](#)

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## Effects of Exogenous Regulating Substances on Nicotine Content of Flue-cured Tobacco

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### Abstract

Effects of three kinds of exogenous regulating substances of biotype complex reagent (A)、amino acid-boron-zinc complex reagent (B)、ammonium compound (C) on nicotine contents of flue-cured tobacco were studied. The results indicated that the leaf nicotine content increased with foliage spraying A at vigorous growing stage or at topping, and the effect of spraying A at topping on leaf nicotine content was greater than that of spraying A at vigorous growing stage: spraying B after leaves at lower stalk position matured, nicotine content of middle-upper stalk position leaves also increased. But spraying C after topping, nicotine content of middle-upper stalk position leaves decreased. Spraying A at vigorous growing stage and C after topping, nicotine content of lower-middle stalk position leaves increased, but nicotine content of middle-upper stalk position leaves remained unchanged. Spraying B at vigorous growing stage and C after topping, nicotine content of lower-middle stalk position leaves increased, but nicotine content of middle-upper stalk position leaves decreased.

**Key words** [Flue-cured Tobacco; Nicotine; Exogenous regulating substances](#)

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