

研究简报

气象因子与烟叶化学成分关联度分析*

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摘要 对云南代表烟区的烟叶主要化学成分与当地主要气象因子关联度分析表明: 不同的气象因子以及不同月份的气象条件与烟叶化学成分有不同的关联度。水溶性总糖与旺长期和成熟期的日照时数的关联度最高。还原糖与气候因子的关联度与水溶性总糖的结果基本一致, 但与旺长期的降雨量也有较高的相关度; 总植物碱与成熟后期的温度、旺长期和成熟初期的降雨量有较高的关联度, 但与日照时数的关联度较低; 蛋白质与伸根期的降雨量、成熟初期的降雨量和日照时数有较高关联度; 与总氮含量关联度最高的是成熟后期的气温和降雨量以及旺长期的气温。

关键词 [烤烟](#); [气候因子](#); [品质](#); [关联度](#)

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Relevance Analyses between Different Weather Factors and Tobacco Chemical Constitutions

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Abstract

Relevance were analyzed between some main tobacco chemical constitutions and weather factors in flue-cured tobacco area of Yunnan, the result shows that there are variant relevance between different weather factors and tobacco chemical constitutions; The relevance of total sugar with the hours of sunshine especially with that in June and August is the highest; The relevance between reducing sugar and weather factors have the consistent result with total sugar, but it has the higher relevance with the rainfall of June; The total plant alkaloid and air temperature of September, rainfall of June and July have the highest relevance; The protein and rainfall of May and July, hours of sunshine in July have higher relevance; the highest relevance of weather factors with the total nitrogen is the air temperature and rainfall in September and the air temperature of June.

Key words [flue-cured tobacco](#) [weather factor](#) [quality](#) [relevance](#)

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