

土壤与肥料科学

不同施肥处理对蚕豆根系及根瘤的影响^{*}

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摘要 以蚕豆品种89-147为材料,在大田条件下研究了不同施肥处理对蚕豆根系及根瘤的影响。结果表明:单施磷肥和磷钾肥配施在现蕾期和开花期对根系和根瘤生长均有较好的促进作用;单施钾肥在各个时期对根系和根瘤生长的促进作用不大;氮磷钾肥配施对根系生长较好,但在现蕾期和开花期对根瘤生长有抑制作用。从经济产量结果看,氮磷钾肥配施的产量最高,其次为单施磷肥和磷钾肥配施,单施钾肥增产效应不大。

关键词 [施肥](#); [蚕豆](#); [根系](#); [根瘤](#); [产量](#)

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The Effect on the Root System and Nodules of Faba Bean under Different Fertilizer Treatments

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Abstract

The effect on the root system and nodule of faba bean under different fertilizer treatments were studied with the cultivar 89-147 under farm experiment. The results showed that it was benefit for the root system and nodule growth of faba bean on squaring stage and blooming stage under phosphorus and phosphorus add potassium fertilizer;The benefit was not significant for the root system and nodule growth of faba bean in all stage under potassium fertilizer; nitrogenous add phosphorus add potassium fertilizer was benefit for the root system growth,but it restrained to the nodule growth of faba bean on squaring stage and blooming stage.From the yield, supreme yield was the treatment under nitrogenous add phosphorus add potassium fertilizer, second were phosphorus and phosphorus add potassium fertilizer, potassium fertilizer have little production.

Key words [fertilizer](#) [faba bean](#) [root system](#) [nodules](#) [yield](#)

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