

# **The effects of nitrogen and period of weed interference on the fibre yield of kenaf (*Hisbiscus cannabinus* L.) in the northern Guinea Savanna of Nigeria**

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## **Abstract**

The effect of weed interference on kenaf was evaluated at three nitrogen application rates. The vegetative phase was reduced but the growth and yield were increased by N (86 kg N/ha was the optimum N-rate). Plots kept weed-free had better growth and yield than the weed infested. Unchecked weed growth reduced fibre by 31.5–53.3% compared to the highest yield in the trials. The critical period of weed competition was between 3 and 6 WAS. Within this range, additional initial weed-free period of 1 day increased fibre yield by 19.1 kg/ha, while additional weed infestation period of 1 day reduced the yield by about 13.0 kg/ha.

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