

**Research Article**

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# Effect of integrated nutrient management on major nutrient of soil in rajmash in acid soil of Nagaland

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**Summary**

The experiment was conducted during the *Kharif* season of 2012 and 2013 at demonstration field of Krishi Vigyan Kendra (KVK) at Porba village, Phek district, Nagaland to study the effect of integrated nutrient management on soil major nutrients of rajmash in acid soil of Nagaland. The experiment showed that the integrated treatments involving both organic and inorganic fertilizer influenced favourably the fertility status of the soil as compared to the control. Maximum increase in available N in soil ( $331.26 \text{ kg ha}^{-1}$  in 2012 and  $324.11 \text{ kg ha}^{-1}$  in 2013) was found with  $T_{18}$  (5 ton FYM + biofertilizer + lime + 100% NPK). Available P content of the soil showed significantly higher value in all treatments over the initial value. Among the treatments, the treatment receiving 5 ton FYM + biofertilizer + lime + 100% NPK in both the experimental year showed the highest P content of the soil. For available K too, maximum K content in the soil was recorded in the treatment  $T_{18}$  receiving 5 ton FYM + biofertilizer + lime + 100% NPK in both the years.

**Key words :** INM, Available N, P, K, *Phaseolus vulgaris* L.

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