

# **A COMPARISON OF THE EFFICIENCY OF FERTIGATION TECHNIQUE VERSUS CONVENTIONAL METHODS OF P APPLICATION IN BERSEEM**

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## **ABSTRACT**

*A field study was conducted on berseem to compare the efficiency of fertigation technique with conventional methods of P application such as soil mixed and broadcast. Comparing the methods among themselves, fertigated P enhanced the fodder yield, P uptake, P recovery and agronomic efficiency over the same parameters obtained by all other application methods. This indicates that fertigation is the most efficient and suitable technique for P application. The poorest performance was recorded by broadcast at first irrigation. Split application of P fertilizer by either method has lower efficiency than their respective full dose application. So late application beyond first irrigation should be avoided for P application on berseem crop.*

**Key Words:** Fertigation, Broadcast, Soil mixing, Phosphorus, Berseem (*Trifolium alexandrinum* L.)