

## VARIETAL PERFORMANCE OF HIGH YIELDING VARIETY AND ECONOMICS OF RADISH (*RAPHANUS SATIVUS*) THROUGH FRONT LINE DEMONSTRATION (FLD) IN EAST KAMENG DISTRICT OF ARUNACHAL PRADESH

Manoj Kumar Singh\*, Narendra Deo Singh, B.M. Singh and C.K. Singh

*Krishi Vigyan Kendra, Pampoli, East Kameng district, Arunachal Pradesh*

*Krishi Vigyan Kendra, Dirang, West Kameng district, Arunachal Pradesh*

*Krishi Vigyan Kendra, Pashighat, East Siang district, Arunachal Pradesh*

*Krishi Vigyan Kendra, Tawang district, Arunachal Pradesh*

Email: [mr.mksingh2008@rediffmail.com](mailto:mr.mksingh2008@rediffmail.com)

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**Abstract:** The Krishi Vigyan Kendra of East Kameng district of Arunachal Pradesh has conducted Front Line Demonstrations with introduction of High Yielding Variety (HYV) of Radish viz., Arka Nishant, Arka hansh, Kashi sweta and Kashi hansh variety in five villages during 2016-17 and 2017-18. The varieties introduced were Arka Nishant, Arka hansh, Kashi sweta and Kashi hansh against local check. Kashi hansh variety recorded the highest yield (175 q/ha) followed by Kashi sweta (150 q/ha), Arka hansh (145 q/ha) and Arka Nishant (140q/ha). The increase in yield percentage over local check variety was recorded to be the highest against Kashi Hansh (35%) followed by Kashi sweta (30%), Arka hansh (25%) and Arka Nishant (24%). Benefit cost ratio was found to be the highest in case of the variety Kashi hansh (2.22:1) followed by var. Kashi sweta (2.16:1), Arka Nishant (2.08:1) and Arka hansh (1.98:1). Thus, all the four varieties had shown better performance as compared to the local check variety in respect of yield and yield attributing characteristic and benefit cost ratio.

**Keywords:** Varietal performance, Yield, Net income, B:C ratio

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\*Corresponding Author

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