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**RESEARCH ARTICLE :**

## Biorational and chemical management of defoliators on soybean

■ A.A. MOTAPHALE, B.B. BHOSLE AND F.S. KHAN

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**SUMMARY :** The present study was conducted during *Kharif*, 2010 and 2011, at Marathwada Agriculture University (MKV) Parbhani, Maharashtra, to study the biorationals insecticides for soybean defoliators. During this experiment per cent defoliation due to defoliators was ranged from 16.08 to 18.22 per cent and 9.69 to 17.93 per cent a day before the first spray and second spray, respectively. At 3 days after first and second sprays lowest per cent defoliation due to defoliators was found in Emamectin benzoate 5SG@ (10.11%) and Indoxacarb 14.5 % (8.93 %), respectively. At 14 DAS, the defoliation was lowest in Emamectin benzoate 5SG@ (9.99 %) and Rynaxypyr 20 SC (8.02 %), respectively after first and second sprays.

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**KEY WORDS :**

Defoliators, Soybean,  
Rynaxypyr,  
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