



Response of Indian mustard (*Brassica juncea* L.) varieties to irrigation for better growth, yield and quality of mustard crop

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Abstract : A field experiment was conducted during the *Rabi* season of 2008-09 at Agronomy Research Farm, N.D.U.A&T., Kumarganj, Faizabad, to evaluate the response of new released Indian mustard (*Brassica juncea* L.) varieties to irrigation for better growth, yield of mustard crop. Treatments consisted of four irrigation schedule I₁ (no irrigation), I₂ (one irrigation at branching), I₃ (one irrigation at siliqua formation), and I₄ (two irrigation at branching + siliqua formation) and three varieties (NDYR-8, Maya and NDR-8501). The experiment was conducted in Split Plot Design with four replications. All the growth and yield attributes and yield parameters were increased significantly with I₂ treatment (irrigations at branching + siliqua formation) which was significantly superior over rest of treatments. In case of varieties, all the parameters of the growth and yield attributes and yield of the crop were maximum under NDYR-8 which was significantly superior to Maya and NDR-8501.

Key Words : Indian mustard, Siliqua, Irrigation schedule

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