Abstract:

Application of nitrogen (N) fertilizer is one of the most important actions that increases grain yield and improves grain quality in winter wheat (Triticum aestivum L.) production. Presently, there are a large number of investigations in the field on different nitrogen fertilizer application regimes. However, there is little information available about the optimum level of N for drip irrigated wheat. Filed experiments in Randomized Complete Block Design (RCBD) conducted to study the response of drip irrigated wheat to three levels of N (120, 180, and 240 kg N ha⁻¹). The field experiments were carried out at the Agricultural Experimental Station farm of the Faculty of Agriculture, Assiut University, Egypt during the two successive growth seasons of 2013/14 and 2014/2015. The application of N significantly (P

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