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Title:	Phenology observation of Wheat( <i>Triticum Aestivum</i> ) of five Indian winter wheat cultivars under different thermal growing conditions
Authors:	Anand, Sanjay (/jspui/browse?type=author&value=Anand%2C+Sanjay)
Issue Date:	9-Oct-2019
Publisher:	IISERM
Abstract:	<p>This field experiment was conducted to evaluate the growth dynamics of wheat (<i>Triticum aestivum</i>) under different thermal growing conditions, at Indian Institute of Science Education and Research, Mohali campus. The wheat was sown with three thermal environments; early sown (T1: 1 st November), normal sown (T2: 15 th November) and late sown (T3: 1 st December) using five cultivars: PBW550, HD2687, RAJ3765, HD2967, WH1105, GW322, C306, DBW88 and two cultivars which were from local farmers. The study done for this experiment is carried out only for PBW550, HD2687, RAJ3765, HD2967 and WH1105. The experiment was laid out in three plot design with three replications for each cultivar. The data on different parameters, phenology, periodic growth, yield and yield attributes were recorded. During 1 st sowing that is 1 st November took more days to complete their life cycle as compared to that sown during 15 th November and 1 st December. Along with the cultivars, PAR interception was higher. Among the sowing dates, PAR interception, radiation and plant height were higher as compared to late sown crop which may be due to profuse vegetative growth. Among the yield attributes characters, early sown (1 st November) and normal sown (15 th November, 15 th December) wheat crop produced higher grain yield. There were significant effects on number of active tillers as HD2687 showed greater number of average tiller count as compared to other cultivars. The plant height was observed higher in cultivar HD2967 as compared to other cultivars.</p>
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