

## RESEARCH ARTICLE

# Morpho-physiological evaluation of wheat variety AKAW-4627 under different irrigation schedules

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### SUMMARY

Field experiment on morpho-physiological evaluation of wheat variety AKAW-4627 grown under different irrigation schedules was conducted during *Rabi* 2012-13 and 2013-14 at Wheat Research Unit, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola. An experiment was conducted in Randomized Block Design with four replications and net plot size of 7.2 m<sup>2</sup>. Different irrigation schedules on the basis of climatological approach *i.e.*, on IW/CPE ratio; was utilized for irrigating the crop. Favourable soil moisture was maintained in the irrigation scheduling treatments of 1.2 IW/CPE and 1.0 IW/CPE throughout the growing period and it was always maintained in allowable depletion regime. The result indicated that the different irrigation schedules affected morpho-physiological attributes. It is concluded that 1.2 IW/CPE was found superior over rest of the treatments for morpho-physiological attributes followed by 1.0 IW/CPE, control, 0.8 IW/CPE, 0.6 IW/CPE and no irrigation treatments. In respect of plant height 1.0 IW/CPE and control treatments were at par with each other.

**Key Words :** Irrigation scheduling, IW/CPE ratio

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