AJH
eISSN- 0976-724X

THE ASIAN JOURNAL OF HORTICULTURE
Volume **10** | Issue 1 | June, 2015 | 31-35
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RESEARCH PAPER

DOI : 10.15740/HAS/TAJH/10.1/31-35

Article history **:**
Received : 30.05.2014
Revised : 19.03.2015
Accepted : 05.04.2015

Effect of seed soaking and foliar sprays of plant growth regulators on physiological and yield attributes of okra [*Abelmoschus esculentus* (L.) Moench.] var. Parbhani Kranti

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ABSTRACT : A study was conducted to find out the effect of seed soaking and foliar sprays of plant growth regulators on physiological and yield attributes of okra var. Parbhani Kranti. The treatment comprised of the two concentration *i.e.*, seed soaking of GA_3 (50 and 100 ppm) and cycocel (100 ppm and 150) and foliar sprays of cycocel (250, 500, 750, 1000 ppm) at 30 and 45 days after sowing and control. The experiment was laid out in Randomized Block Design with two replications. Soaking of okra seeds with GA_3 @ 100 ppm and foliar sprays of cycocel @ 750 and 1000 ppm at 30 and 45 DAS, respectively were found to be beneficial to increase the physiological attributes like leaf area (1134.6 cm^2), leaf area index (1.32 m^2), chlorophyll a (1.41 mg/g), chlorophyll b (0.48 mg/g), total chlorophyll (1.89 mg/g) and yield attributes like early flowering (34.00 days), increase number of flowers (23.40), fruit set (87.54 %), diameter of fruit (2.26 cm), number of fruits per plant (20.46), yield (201.30 g/per plant) and reduce length of fruit (10.00 cm) of okra.

KEY WORDS : GA_3, Cycocel, Okra

HOW TO CITE THIS ARTICLE : Bhagure, Y.L. and Tambe, T.B. (2015). Effect of seed soaking and foliar sprays of plant growth regulators on physiological and yield attributes of okra [*Abelmoschus esculentus* (L.) Moench.] var. Parbhani Kranti. *Asian J. Hort.*, **10**(1) : 31-35.