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RESEARCH ARTICLE

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# Adoption behaviour and constraints in wheat production technologies in saline area of Gir Somnath district of Gujarat

ANSHUMAN D. RATHOD, SATISH T. HADIYAL AND BRIJENDRA SINGH RAJAWAT

**ABSTRACT :** The study was carried out to determine the farmers adoption behaviour on wheat production technologies. The farmers were selected from saline area of Gir Somnath district in Gujarat and were demonstrated production technology during 2011-12, 2012-13 and 2013-14. It was revealed that 36.8 per cent farmers fully adopted demonstrated wheat production technology. Whereas, 21.5 per cent farmers adopted partially. The major constraints observed in wheat production was salt affected soil as well as poor quality of irrigation water. In wheat, with salt affected soil, salt tolerant wheat variety (KRL-19) yielded 34 to 43 per cent higher yield than farmers' practice. The B:C ratio of demonstrated plots under salt affected soil were observed 4.05, 4.03 and 4.21, respectively during three years.

**KEY WORDS :** Adoption, Wheat production technology, Salt affected soil, Constraints, B :C ratio

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## MEMBERS OF RESEARCH FORUM

**Address of the Correspondence :** BRIJENDRA SINGH RAJAWAT, Krishi Vigyan Kendra, Ambujanagar, GIR SOMNATH (GUJARAT) INDIA

Email: [kvk.junagadh@gmail.com](mailto:kvk.junagadh@gmail.com)

**Address of the Coopted Authors :** ANSHUMAN D. RATHOD AND SATISH T. HADIYAL, Krishi Vigyan Kendra, JUNAGADH (GUJARAT) INDIA