



Morphological& Molecular screening of wheat for drought resistance

By Khamsa Parveen

LAP Lambert Academic Publishing Feb 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - Wheat is the main economy crop of Pakistan, it is cultivated on an area of 9.062 million hectares, & producing about 23.42 million tons and grain yield 2585 kg/hectare. Drought is the major factor which reduces wheat production in Pakistan. In the present research, out of twenty wheat varieties studied Miraj-08(8.97g), Sussui(8.53g) and Sandal (8.45g), Tandojam-83(7.53) and Chakwal-86(6.90) and were found best in yield production per plant. For numerical analysis 18 morphological traits were used. Dendrogram analysis of morphological traits assorted the 20 wheat varieties into 4 clusters. The clusters represent genetic dissimilarity among various varieties of wheat studied were found to be different from each other based on their characterization. In Molecular marker studies variety Dirk is found best for drought. Average genetic dissimilarity (estimated as genetic distance) among 20 wheat varieties based upon the amplification pattern of RAPD primer GLB-11, GLA-13, GLC-01, GLC-04, P-6 and P-7 are presented in the (Table-20) based on the tables 14, 15, 16, 17, 18, 19. Range of genetic distance estimated was from 10 to 100%. Maximum genetic distance (100%) were estimated for only one comparison. 84 pp. Englisch.



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