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Translational Genomics for Crop Breeding

Volume II: Abiotic Stress, Yield and Quality

Genomics research has revolutionized the field of crop science. Researchers have mapped the genomes of many key crops, and the genetic information unlocked by these efforts has now matured to the point where it can be routinely applied to breeding efforts. *Translational Genomics for Crop Breeding* spans two volumes that focus, separately and together, on efforts of translating these findings into improved cultivars and populations.

Translational Genomics for Crop Breeding: Abiotic Stress, Yield and Quality focuses on issues of abiotic stressors, such as soil conditions, water availability, and temperature, as well as efforts to improve overall nutritional quality and yield of key crops. Genomic technologies show great promise to increasing yields and nutritional value of crops in unfavorable environments. This volume reviews the latest advances and future directions in applying genomic-assisted breeding technologies to improving key food crops.

Comprehensively reviewing a rapidly advancing field, *Translational Genomics for Crop Breeding: Abiotic Stress, Yield and Quality* is an essential reference for anyone working in the fields of crop breeding, genetics, and improvement.

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