Genomics and Breeding for Climate-Resilient Crops: Vol. 2 Target Traits

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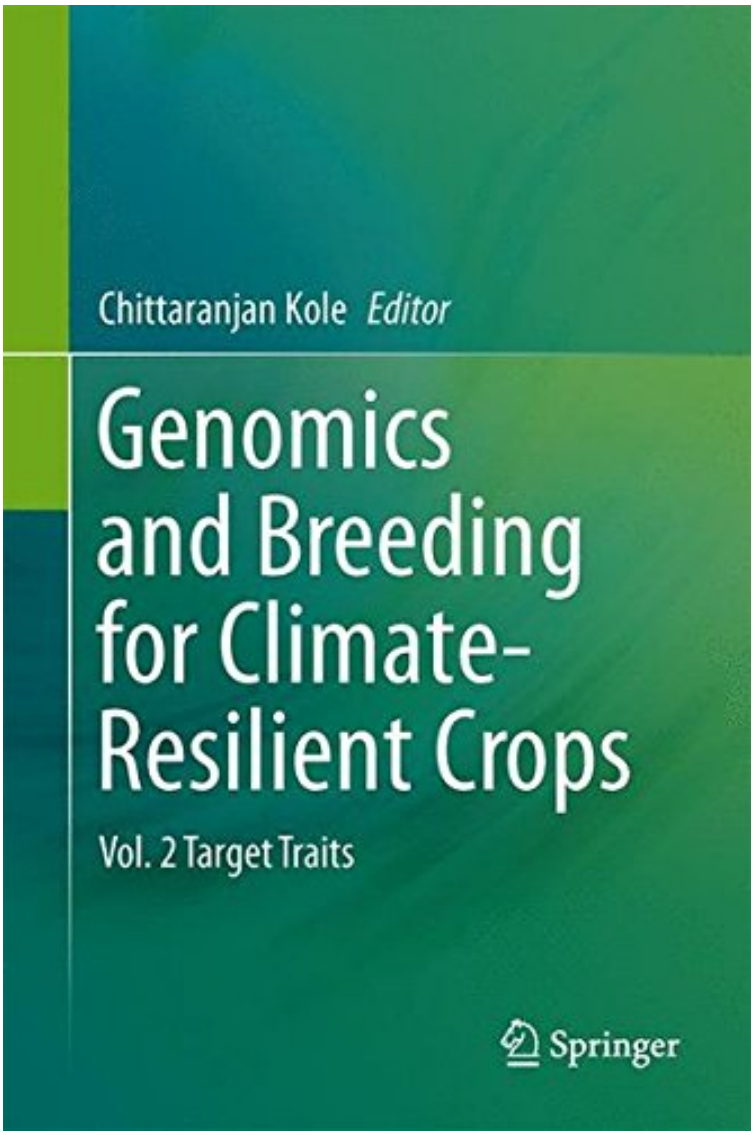

#4805562 in Books Springer 2013-06-19Original language:EnglishPDF # 1 9.20 x 1.30 x 6.30l, 2.02 #File Name: 3642370470490 pages | File size: 71.Mb

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Climate change is expected to have a drastic impact on agronomic conditions including temperature, precipitation, soil nutrients, and the incidence of disease pests, to name a few. To face this looming threat, significant progress in developing new breeding strategies has been made over the last few decades. The second volume of Genomics and Breeding for Climate-Resilient Crops describes various genomic and breeding approaches for the genetic improvement of the major target traits. Topics covered include: flowering time; root traits; cold, heat and drought tolerance; water use efficiency; flooding and submergence tolerance; disease and insect resistance; nutrient use efficiency; nitrogen fixation; carbon sequestration; and greenhouse gas emissions.

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