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Studies on antioxidant constituents of some domesticated capsicums in the middle hill conditions of western Himalayas

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The objective of this study was to determine some cultivars suitable for their antioxidant constituents, which can further be used in breeding programmes to breed superior varieties and F1 for higher quality attributes. Thirty cultivars of domesticated capsicums were grown and analyzed during 2006–2007; they showed significant variation in their ascorbic acid and capsaicinoids contents. On the basis of ascorbic acid, the rank order of cultivars was PBC-926 > Chilli Long Black > HC-201 > KT OV > Local D-2. On the basis of capsaicinoids content, five top cultivars were selected, namely DARL-210 > Naga Jalokia > Red Sabina > CO-6-1 > Chilli Long Black.

Keywords:

antioxidant; cultivar; ascorbic acid; capsaicinoids; HPLC

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