

Books Conferences News About Us Home Journals Jobs Home > Journal > Earth & Environmental Sciences > AS Open Special Issues Indexing View Papers Aims & Scope Editorial Board Guideline Article Processing Charges Published Special Issues AS> Vol.3 No.4, July 2012 Special Issues Guideline OPEN ACCESS AS Subscription Overcoming seasonality in the tropics by growing tomato (Lycopersicon esculentum Mill.) varieties under cooled conditions Most popular papers in AS PDF (Size: 72KB) PP. 602-607 DOI: 10.4236/as.2012.34073 About AS News Author(s) Saifeldin Mohamed El-Amin, Randa B. M. Ali Frequently Asked Questions **ABSTRACT** The main objective of this work was to overcome seasonality in tomato production under hot tropical Recommend to Peers summer conditions, as well as to evaluate the adaptability and productivity of cherry and normal size indeterminate tomato varieties. The tested varieties were the standard varieties, Chanoa, Merel, Sensie Recommend to Library and Yusra and the cherry varieties, Tomi and Elitrro. The cherry variety Elitrro recorded the highest plant height followed by the normal Merel. The cherry varieties over-numbered the classic varieties for mean Contact Us number of fruits per cluster and mean number of fruits per meter square. There was no significant difference between the best yielders, the classic varieties Chanoa (25.63 kg/m²) and Yusra (24.13 kg/m²) and the cherry variety Elitrro (24.00 kg/m²). Yusra recorded the highest fruit diameter (60-70 mm). The classic type Downloads: 137,807 tomatoes are well known and of high demand in Sudan that give Chanoa and Yusra better adoption chances. Our results clearly indicated that production of summer tomato under cooled plastic house Visits: 297,321 conditions is a new technique that has the potential to overcome the seasonality of tomato production under Sudan and similar tropical condition. Sponsors, Associates, and **KEYWORDS** Links >> Indeterminate Tomato; Cherry; Cooled Plastic House; Off-Season; Sudan; Tropics 2013 Spring International Cite this paper Conference on Agriculture and Food El-Amin, S. and Ali, R. (2012) Overcoming seasonality in the tropics by growing tomato (Lycopersicon Engineering(AFE-S) esculentum Mill.) varieties under cooled conditions. Agricultural Sciences, 3, 602-607. doi: 10.4236/as.2012.34073. References [1] Warnock S.J. (1991) National habitats of lycopersicon species. Hortscienc, 26, 466-471. Heuvelink, E. (2005) Tomatoes. Crop production science in Horticulture 13. Wageningen University, [2] Wageningen. [3] Ahmed, M.K. (1994) Factors affecting productivity of vegetable crops in Sudan. In: integrated vegetable crop management in Sudan. ICIPE Science Press, Nairobi. [4] Abdalla, A.A. and Verkerk, K. (1970) Growth, flowering and fruit set of the tomato at high temperature. Neth. J. Agric. Sci, 16, 71-76. [5] Went, F.W. (1956) The experimental control of plant growth. Chrarica Botanic. [6] Walthaun, USA. http://en.wikipedia.org/wiki/Cherry_tomato

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