

Study Regarding the Reaction of Some New Tomato Hybrids Cultivated in Cold Greenhouse in Bucharest Zone

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ABSTRACT

The study was realised in the cold greenhouse from Vegetable Horticulture Department, University of Agricultural Sciences and Veterinary Medicine Bucharest, Romania, between 2007-2008 years. The culture was made on the soil. Generally, in our country, during the cold season the fruit of smaller size between 100-150 g is used and in the warm season, the tomato with bigger fruit of 150-200 g. We test 8 tomato hybrids cultivated between 10th of April and 10th of October in cold greenhouse with ten inflorescence on the plants. On the basis of the production dates in cold greenhouse for those 8 tomato hybrids we found out that the biggest total production was recorded at Monroe F1 (9.45 kg/plants). The fruit mass of tomato was in average of 185 g, uniformly. The early productions also represent 27 % of total production. The production of Monroe F1 was statistically very significant from this point of view. In this zone the smallest early production was recorded at Cyndel that represented 11% of the total production. The total production on the plant was also in average of 4.1 kg/plant. Regarding the fruits uniformity at the analysed tomato hybrids we remarked that Cyndel realised a good uniformity of fruits for all vegetation period. The Yakut hybrid had a smallest firm in summer periods of 3,7 kgf/cm² comparatively with other variants. We mention that some analysed hybrids are cultivated by farmers, with some restraints, because of the uncertainty of realising some total productions but early too, that could assure them incomes but also cover the production expenses. In this study we decided to follow the features of those 8 hybrids from the point of view of the early production, the total production, of the fruit uniformity according to the marketing standards and recommended it for growing in cold greenhouse or cold high tunnel.