THE EVALUATION OF PRODUCITIVE AND QUALITATIVE POTENTIAL OF SOME SWEET CHERRY VARIETIES IN THE PEDOCLIMATIC CONDITIONS OF BISTRITA AREA

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SUMMARY

In view to improve the sweet cherry assortment from Bistrita area we studied in comparative cultures 11 sweet cherry varieties with early and middle maturity (Ramon Oliva, Timpurii de Bistrita, Bigarreau Moreau, Rosii de Bistrita, Iva, Somesan, Roze, Negre de Bistrita, Jubileu 30, Ana, NY 2779) and 11 varieties with late maturity (Stella, Van, Boambe de Cotnari, Rainier, Hedelfinger, Germersdorf, Moacre rosii, Rubin, Kordia, Donissen, Uriase de Bistrita).

In Romania such studies have been made at ICDP Pitesti-Maracineni (Gozob T., I. Ivan, 1985, Budan S., Raveca Balaci, L. Petre, 1997), S.C.D.P. Bistrita (Ivan I., N. Minoiu, Raveca Balaci, 1992, Raveca Balaci K. Pattantyus, Liana Marginean, Miruna Bibicu, M. Bogoescu. 1999).

The observations and determinations were performed according to the usual methodology for the study in comparative cultures.

The blooming duration was different (between 6 and 13 days) from one year to another, according to the climatic conditions. Also, the blooming time was the same at the most of the varieties, so that was guaranteed a good pollination. The harvester maturity lasted a period of 37-40 days, the most early varieties were Timpurii de Bistrita, Iva, Somesan and the last varieties were Kordia, Donissen and Uriase de Bistrita.

We noticed that the varieties Iva, Ana, Rosii de Bistrita, Timpurii de Bistrita, Negre de Bistrita (the early and the middle maturity varieties group) and Donissen, Rubin, Moacre rosii, Kordia, Van, Rainier, Stella (the last maturity group) had very high yield (11.0-16.7 to /ha).

Taking into account the productivity, the consum period of the fruits, the quality and the destination of the production, we strongly recommend to promote/extend in this area's assortment the next varieties: Iva, Ana, Rosii de Bistrita, Timpurii de Bistrita, Negre de Bistrita, Rubin, Van, Rainier and Stella.

REFERENCES