

Evaluation of new hybrid true potato seed (HPS) versus clonal varieties

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Among 16 HPS progenies from CIP, Progeny 994002 (Atzimba)/TPS) is more superior than the other progenies regarding total yield, total marketable yields . However in comparison with clones of *Agría* and *Diamant* cvs, the yield is 1/20 less than of the above mentioned cultivars.

In general, the tested progenies have shown that within the progenies diversity of characters exist leaf shape , leaf color , and sometimes flower color , plant form , presence of anthocyanin in aerial parts , flesh color and texture of tubers.

Also one of the main problems in progenies tested is their late maturity. This is also true of the clones of this progenies , which tuberizes in September (120-130 after planing), while seed of OP cultivar Carlita is early.

Planting of TPS in paper pot and transplanting in the field using the manual sugar beet transplanter has increased the efficiency twice the normal practice.