

795. Singh, B. 1968. Result of some nursery and field trials on the introduction of the Poplars in ravine lands. *Van Vigyan*, 6(1&2).

Based on the nursery trials conducted at Vasad (Gujarat), 16 promising clones were selected to study their performance under the field conditions in a gully bed. *P.cassale* 15 gave significantly better height growth than other clones except that there was no significant difference between *P.cassale* 15, *P.deltoides* I.C. and *P.cassale* 65. So far as diameter growth is concerned, *P.cassale* 65 gave significantly between diameter growth than all other clones tried except that there was no significant difference between *P.cassale* 65, *P.cassale* 15 and *P.gwydyr*. *P.cassale* 154 AM gave the best survival (80 per cent) to be followed by *P.cassale* 204, *P.carrienantia* (75% each) and *P.cassale* 15, *P.gwydyr*, *P.deltoides* I.C. (55% each). All other clones gave less than 50% survival in the field. The overall

results of the height and diameter growth and survival percentage in the field indicated *P.cassale* 15 to be the most suitable clone.