

A NOTE FOR POPLAR PLANTERS

Assessment of poplar clones in populetum in Changa Manga

In 1971, a populetum of 49 clones was established over an area of 2.5 hectares in compartment No. 55. One year old plants were planted at 5 x 5 m spacing. Their performance was evaluated in 1981 and the following ten clones were found to be the best amongst all clones:

Clone No.	Av. dia (cm)	Av. ht (m)
I-4/64	42.7	25.6
I-Lb	42.6	24.9
I-75/58	41.0	28.7
I-90/60	39.6	21.3
I-69/55	38.9	25.7
65-A-147	38.1	22.4
I-69/64	38.1	25.7
Y-513	37.2	26.7
I-63/51	35.6	26.7
I-6/64	36.5	26.1

The clone with the highest diameter growth was not necessarily the best in height. Thus clone 4/64 developed maximum diameter (42.7 cm) but clone 75/58 was the best in height (28.7 m). In fact if both the criteria are considered, then clone 75/58 showed the best performance (41.0 cm dia then clone 75/58 showed the best performance (41.0 cm dia and 28.7 m height).

List of clones tested is attached.

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Populetum, Changa Manga

Measurements recorded December 1980

Clone	Av. dia. cm	Av. height m	Clone	Av. dia. cm	Av. height m
65/27	—	—	Y/665	33.5	23.4
021	29.3	28.3	Y/513	37.2	26.7
103	31.2	22.0	Y/511	25.4	19.8
72/58	34.0	24.1	4/64	42.7	25.6
69/55	35.9	25.2	7/22	37.1	26.8
63/51	36.6	26.5	65/30	33.7	25.0
6/64	36.5	26.1	116/60	30.9	22.8
Y/711	28.4	22.4	83/58	34.1	26.1
18/62	34.8	26.0	55/56	37.5	25.2
90/60	39.6	21.3	19/64	38.1	25.7
Y/4	17.0	13.2	24/69	31.9	25.6
Y/524	10.9	17.3	65-A-129	30.2	25.8
Y/507	27.0	24.3	66-A-I	27.9	24.4
Y/510	27.5	22.1	66-A-4	23.9	20.7
Y/708	25.7	21.6	021	31.5	21.8
65/56	36.3	25.9	488	34.2	21.9
Y/710	29.1	23.5	154	30.1	20.8
Y/716	24.1	17.7	46/51	27.7	21.0
UAS/235	34.6	25.2	Y/727	13.2	25.0
Y/509	25.8	22.5	Molza	24.7	20.6
Y/712	29.5	20.1	103	35.0	23.7
Y/707	36.7	24.1	P. eugenia	41.0	28.7
P.eugenia	23.3	20.8	75/58		
90/60	33.5	23.2	69/55	38.9	25.7
Y/524	10.2	7.9	P. misuzia	21.3	15.1
63/51	36.8	27.4	Y/4	18.2	14.4
Y/507	20.8	16.6	18/62	30.1	25.5
55/63	29.1	23.0	Y/707	25.2	20.1
75/78	33.1	22.2	P. eugenia	21.3	15.6
BOC-28	29.8	23.6	55-A-124	33.6	22.8
65-A-147	38.1	22.4	ILB	42.6	24.9