

## GERMPLASM CONSERVATION AND EVALUATION IN VIETNAM

Genotypes of *Hevea* collected from Brazil in 1981 under the auspices of the International Rubber Reserach and Development Board (IRRDB) were introduced into Vietnam in three batches from 1984 to 1987 (Huang and Zheng, 1983). Clement-Demange *et al.* (1990) and Ngo Van Hoang *et al.* (1988) had reported the results of preliminary observations on conservation and evaluation studies since June 1985 till December 1987. This paper presents further results on the performance of some selections.

A total fo 2960 genotypes from the germplasm A/81 material available in Sungei Buloh (RRIM) were introduced and conserved in the main experimental station of the RRIV (Table 1) in a budwood garden with five plants per genotype and two replications.

The clones were planted in two small

scale trials SGLK85 and SGAL 85 with a single tree per plot and five replications. Besides A/81 material, former South American W × A, recent PB, RRIM and RRIC clones and some new hybrid clones were also included.

SGLK85 was laid out in grey podzolic soil with 1479 clones of which 1301 were A/81 material. SGAL85 was in red basaltic soil with 604 clones of which 433 were A/81 material. The control clones were GT 1, RRIM 600, PB 255 and PB 235. Certain promising Wickham W clones were planted in the border rows.

To study the eventual interaction of soil and planting material, 364 A/81 (within 442 clones) were replicated in two gardens with similar experimental design and cultural practices. Further evaluation was taken up in three SSCT (261 A/81 genotypes within 397 clones) : STLK85, 86, 88

Table 1. Number of genotypes of the IRRDB A/81 germplasm under evaluation

	SB	SNLK	SG	ST	JE	MT 1990	LH
AC	4893	1000(20.4)	452(9.2)[45.2]	49(1.0)[4.9]	213(4.3) [21.3]	4(-) [0.4]	3(-)
MT	2033	860 (42.3)	306(15.1) [35.6]	99 (4.9) [11.5]	249 (12.2) [29.0]	16(0.8) [1.9]	3(-)
RO	3898	1066(27.3)	603(15.5) [56.6]	109(2.8) [10.2]	387 (9.9)[36.3]	42(1.1) [4.0]	12(-)
Sundry	95	34(35.7)	7(7.4) [20.1]	4(4.2) [11.8]	7(7.4) [20.1]	-	-
Total	10919	2960 (27.1)	1368 (12.5) [46.2]	261(2.4) [8.8]	856 (7.8) [28.9]	62(0.6) [2.1]	18(0.1) [0.6]

Sundry : (7/02/81 mixed); SB : Source of buds in Malaysia; SNLK : Budwood green collection;

SG : Mini SSCT; ST : Small scale clonal trials; JE : Juvenile evaluation ; MT : Mature tapping 1990;

LH :Hand pollination gardens.

Figures in parentheses denote percentage of clones in Sungei Buloh; figures in square brackets denote percentage of clones in SNLK