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INTERSPECIFIC HYBRIDIZATION IN Lotus

As we reported in Lotus Newsletter 2: 4, 1971, four groups of F_1 offspring were investigated in the F_2 generation. The data obtained in 1972 are presented in table I.

TABLE I

Plant and seed weight of the F_2 Lotus hybrid generation (Lotus uliginosus (4x) x L. corniculatus).

No. of progeny, Art	Number of plants investigated	Average for 1 plant	
		Weight of plant (g)	Weight of seeds (g)
$F_2/1$	17	500	10.5
$F_2/2$	52	396	7.1
$F_2/3$	140	304	5.8
$F_2/4$	61	346	7.9
<u>Lotus corniculatus</u>	21	614	14.8
<u>Lotus uliginosus</u>	25	348	11.6

As may be noted from the figures presented above the progeny of $F_2/1$ is the best both in plant and in seed weight. Perhaps it will be possible to obtain from this group of plants a new form, which would combine drought resistance of Lotus corniculatus and high protein content of Lotus uliginosus.