

WAXLESS POD (wp) SHOWS LINKAGE ON CHROMOSOME 6

Marx, G.A.

NYS Agricultural Experiment Station  
Geneva, New York 14456, USA

In 1971 (1) I reported that the waxless pod character found in WL 1256 (*P. fulvum*) behaved as a monogenic recessive but, until now, the requisite supporting evidence has not been offered. Recently I discovered in my files the as yet unreported data in Table 1. Monogenic inheritance is demonstrated and linkage on chromosome 6 is indicated.

Table 1. Monohybrid (A) and dihybrid (B) segregation in  $F_2$  populations from two crosses.

## A (Population B271-717-731 \*)

Wp	wp	Total	Chi-square (3:1)
222	68	286	0.38

## B (Populations B272-386-394 and B272-399-408)

										Chi-square			Recomb.	
Wp	Pl	Wp	pl	wp	Pl	wp	pl	Total	Wp	Pl	Linkage	fract.	S.E	
157		36		40		23		256	0.02	0.52	8.03**	37.5	4.0	

5 non-segregating progenies excluded.  
Significant at the 0.01 level.

1. Marx, G.A. 1971. PNL 3:20-21.

\*\*\*\*\*