

MAIZE GENETICS COOPERATION

NEWS LETTER

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***pg11 pg11 pg12 pg12* and smut**

The near isoline *pg11 pg11 pg12 pg12* was more resistant to smut than its corresponding near isolines *Pg11 Pg11 Pg12 Pg12*, *Pg11 Pg11 pg12 pg12*, and *pg11 pg11 Pg12 Pg12*, in 1981 and 1984 (Table 1). In spite of this, we observed that some detasseled

Table 1. Number of plants with (+) and without (-) smut, in 1981 and 1984.

Genotype	1981		1984	
	Smut		Smut	
	+	-	+	-
<i>pg11pg11 Pg12Pg12</i>	7	36	3	11
<i>Fg11Pg11 pg12pg12</i>	11	33	4	12
<i>Pg11Pg11 Pg12Pg12</i>	12	33	3	10
<i>pg11pg11 pg12pg12</i>	0	43	0	13

plants *pg11 pg11 pg12 pg12* showed smut in the damaged area. In 1982 and 1983 none of the near isolines were affected.

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