

The selected progenies will be tested in the next cycle using the original population as a check.

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Antunes, I.F.; Teixeira, M.G.; Zimmermann, M.J.O.; Costa, J.G.C. Exploration of Regional Populations in Common Beans - I. Concepts and Procedures Adopted at the National Research Center for Rice and Beans. 1981. Annual Report of the Bean Improvement Cooperative.

Vencovsky, R. 1977. Princípios de Genética Quantitativa, Publicação didática nº 16, Escola Superior de Agricultura "Luiz de Queiroz". USP. 97p.

Screening our bean collection by leaf inoculation
with Pseudomonas phaseolicola isolated in Hungary

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The tested bean collection mostly consists of European local cultivars (green and dry types) as well as resistant lines introduced in the last decade.

Among 1262 cultivars and 48 lines (mostly PI stocks) we have found only 7 lines which show resistance (Fig. 1) with lo. symptom type.

The types of leaf reaction we presented in the Annual BIC (1978. p. 57-58):

Type 2., 3., 7. - water soaked lesion-sensitivity

Type lo.-necrotic lesion without halo-resistance

Type 9. - discolored water-soaked lesion without halo-"tolerance".

One of the 7 lines originated from a heterogeneous population of PI 163583 by selection after artificial inoculation.

The other resistant lines are: PI 150414, PI 206979, PI 163583/A, CNRA-HWSA, Wisc. HBR 72 and OSU lo-183.

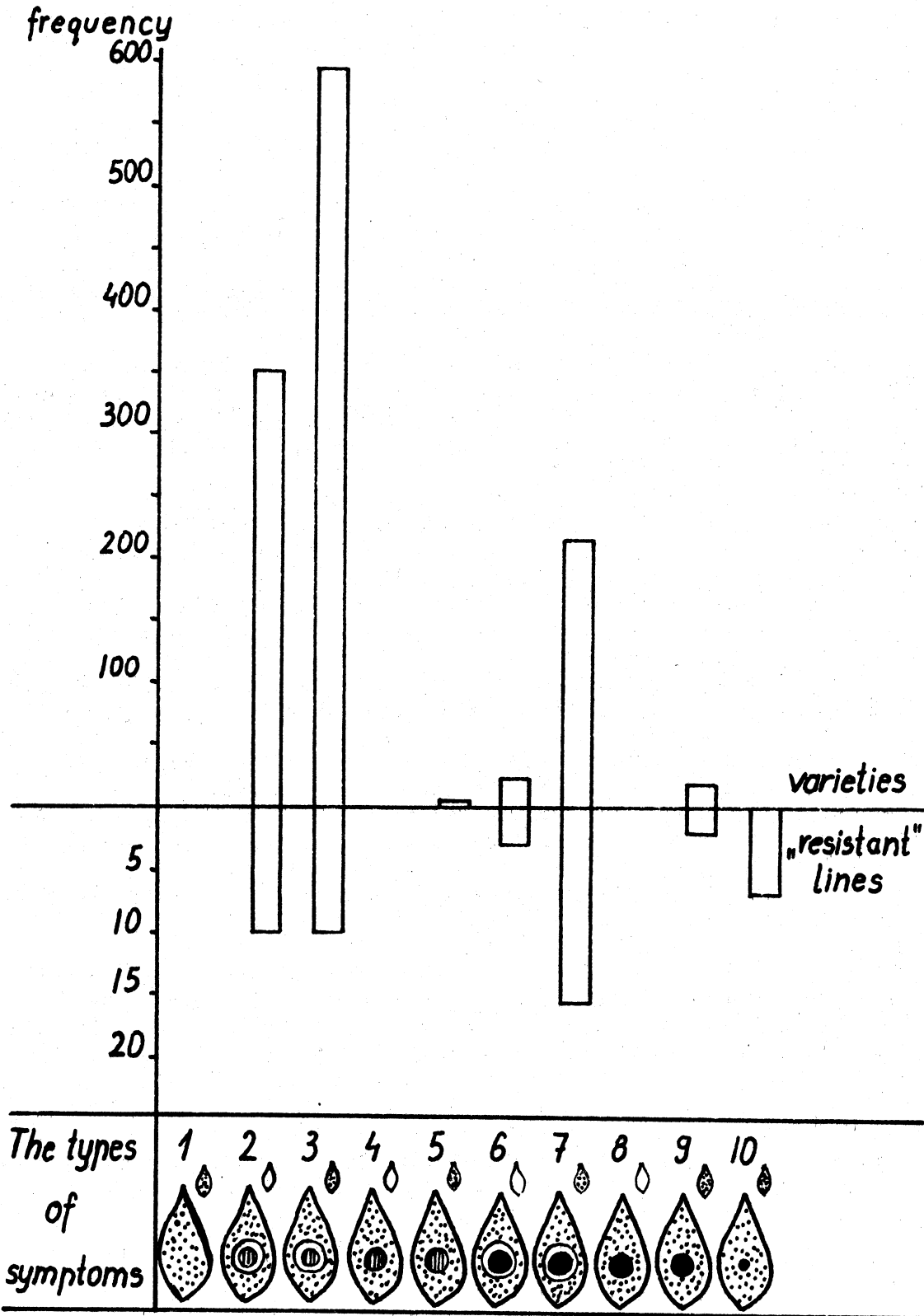


Fig. 1: Reaction of bean cultivars and lines to *Pseudomonas phaseolicola*/leaf inoculation/