

Line	Seedling tank test	Green- house pot test	Field 1974		
			rep.	class	points
PI 311987	slight	55	3	healthy	5.50
311989	"	61	3	"	6.00
311991	"	57	3	"	5.25
312028	"	49	3	"	5.00
312033	"	73	3	"	5.00
312041	"	56	3	"	5.00
312043	"	81	3	"	5.50
312077	"	50	3	"	6.00
325619	"	--	1	"	6.00
312062	segregates	42	2	"	6.00
319606	slight-mod.	36	3	"	5.25
165435	slight	36	3	intermed.	3.25
165426	moderate	72	3	"	3.25

checks and ratings similar to those in Table 1.

References

Boomstra, A. G. 1975 Breeding for Resistance to Fusarium Root Rot in Beans (Phaseolus vulgaris L.). Ph.D. Thesis, University of Wisconsin, Madison.

DRY BEAN INTERNATIONAL RUST NURSERY - 1974

Carlos Burga, Oswaldo Voysest
and Arturo Urbizagastegui
La Molina Agricultural Experiment Station
Lima, Peru

This note summarizes the results of a screening test on the reaction of the Dry Bean International Rust Nursery, to Peruvian strains of bean rust (Uromyces phaseoli var. typica).

Seed was furnished by Dr. G. Galvez from CIAT and planted on August 20, 1974 at La Molina Agricultural Experiment Station. Natural field infection approached 100% in the susceptible bean line planted 20 days in advance between the tested lines. The material was scored on a scale of 0-5, with 0 representing highest level of resistance (Crispin, A. and S. Dongo, 1962, Plant Disease Reporter 46: 411-413). Rust distribution on the three meters-plot was expressed on a percent basis of the total plants of the plot. The table below lists those lines which showed the most tolerance to rust along with some standard varieties usually included in the rust nurseries. Data from only one representative replication is included.

Table 1. Dry Bean International Rust Nursery - 1974. La Molina
Agricultural Experiment Station. Lima, Peru

Variety	Rating	Distribution
P. I. 311930	0	0
Cavalo Amarelo (I-780)	5	5
Beurre nain dumont D. or (I-1016)	3	40
N-283 50689	0	0
Sucre 5	3(5)	60
Mogul (I-749)	3	10
De Ligersul (I-1029)	3(2-4)	30
S 434-A-R R.329	0	0
P. I. 319.649	0	0
Chiapas 36-2	0	0
P. I. 226.523	3	40
P. I. 343.734	2-3(4-5)	30
N 475 S 450-N	0	0
55051 (I-1138)	0	0
N-297	0	0
P. I. 196.299	0	0
U. S. No. 3	5-3	20
Bountiful No. 181	5	80
California Small White No. 643	5	80
Pinto No. 650	5	80
Kentucky Wonder No. 765	5	80
Kentucky Wonder No. 780	1	50
Kentucky Wonder No. 814	3	5
Golden Gate Wax	3	5

NEW RED AND PINK BEANS RESISTANT
TO FUSARIUM ROOT ROT

D. W. Burke

USDA, ARS, Irrigated Agriculture Research and
Extension Center, Prosser, Washington, USA 99350

In April, 1974, Western Region, ARS-USDA in cooperation with the Washington Agricultural Experiment Station released "Rufus," a Red Mexican cultivar; the Idaho Agricultural Experiment Station joined in the release of Pink cultivars "Viva" and "Roza," and the California Agricultural Experiment Station in the release of "Gloria," a third Pink cultivar. All of these new beans carry a useful level of resistance to Fusarium root rot derived from PI 203958. The pinks also carry a degree of resistance and tolerance to Fusarium root rot, along with early maturity, derived from Sutter Pink. The new Pinks are the first beans of this class with resistance to the prevalent original and New York 15 strains of Bean Common Mosaic Virus.