

<sup>1</sup> Rating system: % disease

1=	1-5	Ratings were conservative in that only plants showing signs of <u>Sclerotinia sclerotiorum</u> were determined to be diseased.
2=	6-25	
3=	26-60	
4=	61-80	
5=	81-100	

<sup>2</sup> Each numerical rating is an average of five replicates. One replicate contained 180-200 plants.

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EVALUATION OF PLANT INTRODUCTION LINES OF  
PHASEOLUS VULGARIS FOR ROOT ROT DISEASE  
REACTION AND OTHER CHARACTERISTICS

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Seeds of 32 plant introduction lines were planted in single rows 8-15 feet long on June 2, 1972, at the Scotts Bluff Experiment Station. The plot location had a previous history of root rot (Fusarium solani f. sp. phaseoli). Evaluations were made on August 17. The table below lists those lines which showed the most tolerance to root rot along with some standard varieties.

Entry	Root rot rating <sup>1</sup>	Common blight rating <sup>2</sup>	Habit	Maturity	Seed color
201 378	1.2	3.0	Viny	Late	Dark
201 380	1.1	2.0	Viny	Late	Dark
165 435	1.3	5.0	Viny	Late	Dark
203 958	1.0	3.0	Viny	Very late	---
325 638	1.1	2.0	Viny	Late	Colored
325 619	1.1	2.0	Viny	Very late	---
269 207	1.0	2.0	Semi-viny	Late	---
325 641	1.0	2.0	Viny	Very late	---
325 597	0.7	2.0	Viny	Very late	Colored
325 596	1.0	1.2	Viny	Very late	---
325 593	0.8	1.5	Viny	Late	---
325 594	0.8	2.0	Viny	Late	---
325 524	0.8	2.0	Viny	Late	---
325 605	0.8	2.0	Viny	Late	---
Great Northern #59	2.7	4.0	Viny	Early	White
Pinto UI 111	2.6	4.2	Viny	Early	Colored

<sup>1</sup>Root rot rating: 0=no root infection; 5=root and hypocotyl tissue destroyed.

<sup>2</sup>Common Blight rating: 0=no blight; 5=all leaves with blight infection.

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