
Proceedings of American Peanut Research and Education Association 10:64 (1978)

Screening Methods and Further Sources of Resistance to Peanut Rust (*Puccinia arachidis* Speg). P. Subrahmanyam, R. W. Gibbons, S. N. Nigam and V. R. Rao, ICRISAT, Hyderabad, India.

Peanut germplasm and breeding material is being tested for resistance to rust at ICRISAT, India. During the rainy season natural infection is heavy and uniform. In the dry season material is being screened under irrigation using an infector row system. A screenhouse method using detached leaves can be used at any time of the year.

The resistance of the cultivars Tarapoto (PT 259747) and PI 298115 has been confirmed and from the germplasm collection several other cultivars, mostly of the Valencia type, show promise as new sources of resistance. Several Arachis species have so far given an immune reaction to rust using the detached leaf technique.