

*Puccinia sorghi* on Corn in Mexico. · BORLAUG, N. E. Recent studies have demonstrated the existence of corn rust throughout Mexico. However, for many years there has been considerable selection for rust resistance on a regional basis. In 1944-1945 collections of lines and varieties of corn from Mexico, the United States, Cuba, Venezuela, Hawaii, and Guatemala were grown in field tests at Chapingo, Mexico. Tremendous differences were observed in their reactions to races of *Puccinia sorghi* in that area. Reaction varied from a high degree of resistance to complete susceptibility and early death. In general, varieties native to the area in which tests were made were resistant; lowland corns were highly susceptible and many hybrids, inbreds, and varieties from other countries were completely susceptible. The distribution of races of *Puccinia sorghi* in Mexico is being studied along with the significance of the 3 species of *Oxalis* which rust heavily each year.