The major effort in breeding rust-resistant cereal varieties has been devoted to the incorporation of a high level of resistance. While some published information is available concerning tolerance to the wheat rusts (1, 2, 8), the use of partial resistance and/or tolerance has received relatively little attention, probably because it has always been possible to find higher levels of resistance. In other crops and with other pathogens, these incomplete types of resistance have been given more study, there being in many cases nothing better available. A great deal of excellent work has been done in potatoes (3) with partial or field resistance to late blight. This partial resistance has given adequate protection and has proven quite stable to race changes of the pathogen.

Although there is little published information on the subject, many wheat and oat workers have...