

New and re-emerging rust diseases from Idaho and Oregon

R. SAMPANGI¹, M. C. Aime², K. Mohan¹, C. Shock³

¹University of Idaho, Parma, ID, U.S.A.; ²Louisiana State University, Baton Rouge, LA, U.S.A.;

³Oregon State University, Ontario, OR, U.S.A.

Phytopathology 100:S113

New host-pathogen records contribute to vital information that aids in quick and accurate diagnosis of plant diseases. New pathogen reports help in establishing baseline data about pre-existing and emerging plant pathogens and the epidemiology of the diseases they cause, thus furthering the understanding of pathogen biology, host ranges, and the geographic range of pathogens. First reports contribute to data on disease occurrences and resulting host-fungus indices can serve as primary resources for information to plant disease diagnosticians, extension educators, plant health professionals, and regulatory officials. Rust diseases, caused by fungi in the basidiomycete order Pucciniales, are one of the most important agents of agricultural losses. Presented herein are examples of new and reemerging rust diseases on regional crops turf grass, forbs and forages from Idaho and Oregon, all noted between 2006–2009: *Puccinia graminis* Pers.:Pers on *Poa pratensis* L, *Puccinia similis* Ellis & Everh on *Artemisia tridentata* Nutt., *Puccinia jonesii* Peck on *Lomatium dissectum* (Nutt.) Mathias & Constance, *Puccinia sherardiana* Körn on *Sphaeralcea grossulariifolia* (Hook. & Arn.) Rydb and *Uromyces intricatus* Cooke on *Erigeron umbellatum* Torr.