Wheat Stress and Reflectance. (S04-ritchie161906-Poster)

Authors:

- G.L.Ritchie Utah State University
- D.Wright Utah State University
- B.Bugbee *Utah State University*
- V.P.Rasmussen Utah State University
- Abstract:

Plant growth and health can be monitored on a large scale using photographic imaging and spectral measurements. We tested overhead photography and visible/near-infrared spectroradiometry (350-1000 nm) as methods of identifying nitrogen, phosphorus, and water stress. Nitrogen stress was easily identifiable using ground cover measurements and spectral indices. Phosphorus and water stresses were more difficult to distinguish.

Corresponding Author Information:

Glen Ritchiephone: (435)797-2605Utah State Universitye-mail: gritchie@cc.usu.edu1410 N 8th ELogan, UT 84321

Presentation Information:

Presentation Date: Tuesday, November 12, 2002 Presentation Time: 9:00-11:00 am Poster Board Number: 1429

Keywords:

wheat, reflectance, stress, remote sensing

• D.Dallon - Utah State University