

Soybean Growth and Diagnostic Multimedia CDROM. (A01-schweitzer111847-Oral)

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Abstract:

A new multimedia diagnostic, growth and development CD-ROM will be introduced and its strategic use in teaching discussed. Content includes over 100 common soybean diseases, herbicide injury symptoms, insects, nematodes, nutrient deficiency symptoms, and other damage factors. Comprehensive coverage of these soybean problem areas includes color photography and video coverage of symptoms and damaging stage (insects), discussion of preconditions and symptoms, and management considerations for treatment and prevention. Growth and development sections include stage by stage treatment of the growing season (field views and individual plants) as well as coverage of key physiology and growth process topics. Peer reviewed for content and function this multimedia package includes options for quizzing (either as a learning environment with active feedback or for assessment), a key for the identification of unknown problems, and options for the development of presentations. Use of this program to teach crop diagnostics will be discussed and program effectiveness in imparting virtual field experience will be reviewed.

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