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IMPLEMENTING A WEED MANAGEMENT DECISION SUPPORT SYSTEM THROUGHOUT THE SOUTHERN REGION

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During the past four years, regional and national IPM projects have focused on adapting the weed management decision support system, HADSS, for use in ten Southern states. Cooperating weed scientists in Alabama, Arkansas, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, and Texas have developed state-specific versions of HADSS and have tested these programs in research station and on-farm validation trials. In general, validation trials have shown that recommendations from HADSS are equal to or better than a grower standard practice or an expert's recommendation in terms of weed control, yield loss, and net return in the large majority of cases. Analysis has shown that state databases vary markedly in weed species included, weed competitive indices, herbicide treatments, and treatment efficacies. A Web-based version of HADSS is available to anyone with a Web browser who is connected to the Internet at <http://www.cropsci.ncsu.edu/webhadss>.