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Cover

Soybeans awaiting harvest in Champaign County, Illinois. The crop is a recently released cultivar (Beeson) having higher yields than older cultivars. The high yields are associated with avoidance of midday water deficits that are often encountered by older cultivars despite adequate water in the soil. See page 443. [J. S. Boyer, U.S. Department of Agriculture, University of Illinois, Urbana, Illinois 61801]