RESEARCH

312 Site-specific crop management with a center pivot  
   C. R. Camp and E. J. Sadler

315 Homeowner perceptions and management of private water supplies  
   and wastewater treatment systems  

320 Do participants in well water testing programs update their exposure  
   and health risk perceptions?  
   G.L. Poe, H.M. van Es, T.P. VandenBerg, and R.C. Bishop

325 Polyacrylamide effects on infiltration in irrigated agriculture  

332 NLEAP facts about nitrogen management  

338 New NLEAP for shallow and deep rooted rotations  
   J.A. Delgado, M. Shafer, and M.K. Brodahl

341 Water conservation and economic impacts when integrating irrigation  
   with no-tillage  
   W.L. Harman, G.C. Regier, A.F. Wiese, and V.D. Lanford

347 Wind speed above and within sunflower stalks varying in height and  
   population  
   D.C. Nielsen and R.M. Aiken

353 Awareness of operation future among landowner-operators in the  
   Darby Creek Watershed of Ohio  
   T. L. Napier and E. J. Johnson

DEPARTMENTS

298 Guest Editorial
300 Commentary
305 Executive Summary
307 Books, etc.
309 Upcoming
358 Index volume 53

Cover

Barley (Hordeum vulgare L.) grown under center pivot sprinkler irrigation in the San  
   Luis Valley of south central Colorado.  
   Photo by Dr. Jorge A. Delgado, USDA-ARS-NPA-Soil Plant Nutrient Research Unit