

## Review Paper

- 1 *F López-Granados* Weed detection for site-specific weed management: mapping and real-time approaches

## Research Papers

- 12 *C Kempenaar, L A P Lotz, J F H Snel, V Smutny & H J Zhang* Predicting herbicidal plant mortality with mobile photosynthesis meters
- 23 *K W Søbye, J C Streibig & N Cedergreen* Prediction of joint herbicide action by biomass and chlorophyll *a* fluorescence
- 33 *L Nkurunziza, E Rosenqvist & J C Streibig* Photosynthesis and growth of newly established shoots of *Cirsium arvense* and *Tussilago farfara* are resource independent
- 41 *A G Thomas, A Légère, J Y Leeson, F C Stevenson, F A Holm & B Gradin* Weed community response to contrasting integrated weed management systems for cool dryland annual crops
- 51 *S Yamada, Y Kusumoto, Y Tokuoka & S Yamamoto* Landform type and land improvement intensity affect floristic composition in rice paddy fields from central Japan
- 63 *J S Conn, N R Werdin-Pfisterer & K L Beattie* Development of the Alaska agricultural weed flora 1981–2004: a case for prevention
- 71 *A J McConnachie, L W Strathie, W Mersie, L Gebrehiwot, K Zewdie, A Abdurehim, B Abrha, T Araya, F Asaregew, F Assefa, R Gebre-Tsadik, L Nigatu, B Tadesse & T Tana* Current and potential geographical distribution of the invasive plant *Parthenium hysterophorus* (Asteraceae) in eastern and southern Africa
- 85 *D J Kriticos, M S Watt, K J B Potter, L K Manning, N S Alexander & N Tallent-Halsell* Managing invasive weeds under climate change: considering the current and potential future distribution of *Buddleja davidii*
- 97 Technical abbreviations for use in *Weed Research*