Project Closure SP 2004-003

Management of environmental risk in perennial land use systems

Ecosystem Science

Project Core Team

Supervising Scientist	Margaret Byrne
Data Custodian	
Site Custodian	

Project status as of July 21, 2016, 8:28 a.m.

Closure pending approval of closure form

Document endorsements and approvals as of July 21, 2016, 8:28 a.m.

Project Team	granted
Program Leader	granted
Directorate	required

Management of environmental risk in perennial land use systems

Key publications and documents

Stone LM, Byrne M, Virtue JG (2008) An environmental weed risk assessment model for Australian forage improvement programs. Australian Journal of Experimental Agriculture 48, 568-574.

Stone LM, Byrne M, Virtue JG (2008) Identifying and managing environmental weed risk in perennial pasture research. Plant Protection Quarterly 23, 73-76.

Byrne, M., Stone, L. and Millar, M. (2009) Environmental risk in agroforestry. In Agroforestry for Natural Resource Management . In Nuberg, I., George, B. and Reid, J. (eds) CSIRO Publishing, 107 – 126.

Stone, L. M., & Byrne, M. (2011). Comparing the Outputs of Five Weed Risk Assessment Models Implemented in Australia: Are There Consistencies across Models? Plant Protection Quarterly, 26(1), 29 -35.

Byrne M, Stone L and Millar M A (2011). 'Assessing genetic risk in revegetation'. *Journal of Applied Ecology*48: 1365-1373.

Munday C J, Bettink K, Byrne M, and Stone L (2012) Genetic risk assessment to compliment weed risk assessment in the selection and management of perennial species for agricultural systems in southern Australia. In proceedings of the 18th Australasian weed conference, Melbourne.

Munday C J, Bettink K, Byrne M, and Stone L (2014) The right plant in the right place: the management of contentious species to minimise the risk to native environments paper accepted for presentation at the 5th Victorian Weed Conference, Geelong, Victoria, May 2014.

All documents listed below are published on the Future Farm Industries Cooperative Research Centre website http://www.futurefarmonline.com.au/farm-research/weed-risk

Weed risk assessment protocol, template and score sheet.

Genetic risk assessment and template

32 Species weed risk assessments and score sheet

Management guides for species with a High weed risk score (*Dactylis glomerata, Pennisetum clandestinum, Phalaris aquatic and Thinopyrum ponticum)*

Information sheets for a general audience on weed risk and genetic risk

Experimental site guidelines and checklist for evaluation trials

Knowledge Transfer

The Weed and genetic risk project worked with researchers and students to raise the awareness of the Environmental risk strategy, developed as part of the project, and ensure that species promoted by the CRC had undergone weed risk assessment.

The project outcomes were promoted to a wide audience of stakeholder, researchers, advisors, land managers and the general public by scientific publications, conference and workshop presentations and contributions to Future Farm Industries Cooperative Centre publications on line and in print.

Weed and genetic risk protocols, assessments and supporting documentation are available to a wide audience on line at http://www.futurefarmonline.com.au/farm-research/weed-risk

Dataset links

Hardcopy location

Department of Parks and Wildlife, Science Division, Kensington

Backup location

None