

FINAL REPORT

DAN348

Long term management of wheat rotations to sustain soil fertility and crop productivity

PROJECT DETAILS

PROJECT CODE: DAN348

PROJECT TITLE: LONG TERM MANAGEMENT OF WHEAT ROTATIONS TO SUSTAIN SOIL FERTILITY AND CROP PRODUCTIVITY

START DATE: 01.07.1997

END DATE: 31.12.2002

SUPERVISOR: DAMIEN HEENAN (PRINCIPAL RESEARCH SCIENTIST)

ORGANISATION: NSW AGRICULTURE

CONTACT NAME: DAMIEN HEENAN

Summary

In south east (SE) Australia, grain growers are facing large scale degradation of soil chemical, biological and structural fertility which has largely been the result of past inappropriate management practices over a long time. Issues of concern to the industry include declining soil organic matter, total nitrogen (N), soil pH, soil structure and soil biology. Most of these attributes change slowly over time and long term studies of trends are required to accurately and scientifically ascertain the effects of these practices.

Report Disclaimer

This document has been prepared in good faith on the basis of information available at the date of publication without any independent verification. Grains Research & Development Corporation (GRDC) does not guarantee or warrant the accuracy, reliability, completeness or currency of the information in this publication nor its usefulness in achieving any purpose. Readers are responsible for assessing the relevance and accuracy of the content of this publication. GRDC will not be liable for any loss, damage, cost or expense incurred or arising by reason of any person using or relying on information in this publication. Products may be identified by proprietary or trade names to help readers identify particular types of products but this is not, and is not intended to be, an endorsement or recommendation of any product or manufacturer referred to. Other products may perform as well or better than those specifically referred to. Check www.apvma.gov.au and select

product registrations listed in PUBCRIS for current information relating to product registration.

Copyright

Grains Research and Development Corporation. This publication is copyright. Apart from any use as permitted under the Copyright Act 1968, no part may be reproduced in any form without written permission from the GRDC.

Old or Archival Reports (Projects that concluded in 2007 or earlier)

The information contained in these older reports is now several years old, and may have been wholly or partially superseded or built upon in subsequent work funded by GRDC or others. Readers should be aware that more recent research may be more useful for their needs. Findings related to agricultural chemical use are also potentially out of date and are not to be taken as a recommendation for their use.