



A.B.N. 70 979 095 411
A.C.N. 097 228 656

PO Box R1829
Royal Exchange NSW 1225

Phone +61 2 9247 6408
Fax +61 2 9247 9153

admin@nacma.com.au
www.nacma.com.au

Member Update

Title: For NACMA members information: Test Methodology for Roundup Ready Canola

Update No.: 43 of 08

Date of Issue: 19th November 2008

Distribution

- NACMA Members – primary contact list. Please circulate to all appropriate internal parties

Background

2008 is the first year of commercial release of Roundup Ready® canola in Victoria and New South Wales. Industry has committed to provide market choice and traceability for the launch of GM canola. The industry has well established grain handling protocols in place to ensure adventitious levels remain below the 0.9% threshold.

Test kits

There are simple and easy to use test kits available for use by those who wish to conduct their own tests to detect the presence of Roundup Ready canola. These ELISA (EnviroLogix Inc. & Strategic Diagnostics Inc) test strips are manufactured by two companies and are available locally through their distributors.

This is how the test works -

- These are presence / absence tests used to provide a qualitative (yes / no) determination of the presence of the CP4 EPSPS protein found in Monsanto's Roundup Ready canola seed.
- The test can screen Roundup Ready canola at specified levels. Detection levels depend on the size of the sample or the number of seeds tested.
- These tests will screen to the 0.9% threshold at 95% confidence interval if 332 seeds are tested.
 - The test determines the probability that a sample contains greater or less than a specified threshold rather than an exact percent of GM material. For example, if one 332-seed sample is tested and returns a negative result, there is a 95% confidence that the sample contains less than 0.9% of Roundup Ready canola.
 - A positive result from a 332 seed sample would mean at a 95% confidence, the sample contains greater than 0.9% Roundup Ready canola.

For more information on the use of these strips please refer to the AOF standards document "AOF 1.40 - Roundup Ready® Canola Test Strip Kits".

To purchase test strips refer appropriate contact details below:

QuickStix Kit for Roundup Ready canola Bulk Grain
(Catalog # AS017BG) www.envirologix.com
EnviroLogix Inc. Australian distributor:
Cotton Seed Distributors (Wee Waa, NSW)
Contact: Brett Ross
Tel: +61 2 6795 0000
Email: brettr@csd.net.au

Strategic Diagnostics Inc. Trait Canola Test Kit
(Part # 7000011), www.sdix.com
SDI Inc. Australian distributor:
Foss Pacific (North Ryde, NSW)
Contact: Simon Kirkman
Tel: +61 2 9888 6788
Email: info@foss.com.au