

MOLOGIC  
EXPERTS IN YOUR FIELD



# BReD<sup>®</sup>

BLACK GRASS RESISTANCE DIAGNOSTIC

## Instructions for Use

**ON-FARM DIAGNOSTIC TEST FOR  
NON-TARGET SITE RESISTANCE IN  
BLACK-GRASS**

To view the video instructions, please  
visit [www.mologic-bred.co.uk](http://www.mologic-bred.co.uk)



## INTENDED USE

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On-Farm diagnostic test for non-target site resistance in black-grass

## LATERAL FLOW DEVICE (LFD) KIT CONTAINS

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- 5 x individually pouched Lateral Flow Devices
- 15 x ball bearings – 3 per test
- 5 x Dropper bottles (each containing 3 ml of Extraction Buffer)
- 5 x Dropper Bottle nozzles
- Instructions For Use

## ITEMS NOT SUPPLIED

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A pair of scissors

## PRECAUTIONS

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- Test devices cannot be reused.
- Do not use damaged or expired kit components.
- Check that the silica gel sachet in the foil pouch is orange. Do not use if it is green.
- Store kits at 2-25°C
- Extraction Buffer Material Safety Data Sheet can be found at **[www.mologic-bred.co.uk/msds](http://www.mologic-bred.co.uk/msds)**

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## INSTRUCTIONS

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1

Use 1 plant per LFD

2

Cut ~3 cm from the tip of black-grass leaf (DO NOT EXCEED)

3

Cut into small strips approx. 1 cm in length

4

Place the small leaf strips into a bottle containing buffer.

5

Add three ball bearings to the bottle

6

Fit the dropper to the bottle top, ensuring that it is attached properly

7

Screw on red bottle cap tightly

8

Shake the bottle as vigorously as you can while timing for 30 seconds.

DO NOT shake for longer than 30 seconds

9

Immediately add three drops of leaf extract to the small hole on the LFD.

DO NOT exceed 3 drops

10

Wait for the control line (the line on top of the device) to appear. If the Control line does not turn red, the test is invalid and should be repeated.

11

Leave the LFD for 5 minutes and then check the test line (the lower line).

DO NOT leave the device longer than 15 minutes

12

Compare the test line intensity to the score card

13

If a faint test-line appears after 5 minutes (see score card), the black-grass plant sampled is not exhibiting non-target site herbicide resistance

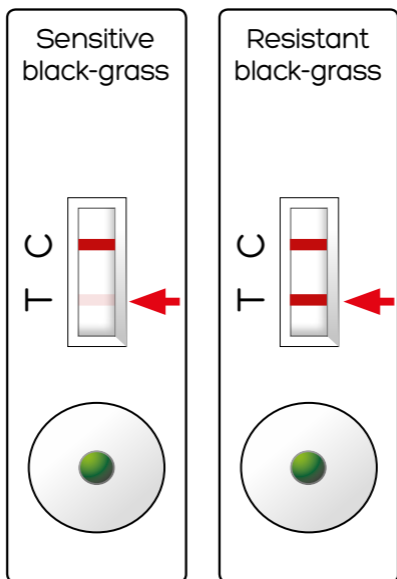
14

If a strong test-line appears after 5 minutes (see score card), the black-grass plant sampled is exhibiting non-target site herbicide resistance

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# SCORE CARD

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## HELP LINE

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If you have any questions, please call us at **+44 (0) 1234 780020**, Monday – Friday 09:00 to 17:00, or email **[bred@mologic.co.uk](mailto:bred@mologic.co.uk)**

Our professional staff will assist you. To learn more, please visit us at **[www.mologic-bred.co.uk](http://www.mologic-bred.co.uk)**



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