



HERBICIDE RESISTANCE TESTING

- Seed should be Collected at random from across the field or area. (best time: **black-grass - 2/3 week of July; wild oats - late July/early August; Italian rye-grass - early/mid July**).
 - *Sampling too early results in unviable seed which cannot be tested.*
- Collect seed when starting to shed & dry, remove seed from the heads by gentle rubbing
- Collect enough dry, ripe seed to fill a mug (about 3000 seeds).
- If damp it should be dried in an open tray before dispatch.
- Store seed dry in a paper envelope. Do not store seed in plastic bags as seed goes mouldy.
- Mark each envelope or seed container clearly with your name and address.

The Rothamsted Rapid Resistance Test (in petri-dishes) is used for enhanced metabolism (EM) and ACCase target site (TS) resistance.

The pot test method is now used for ALS resistance as it is a more robust indicator of both ALS enhanced metabolism and target site resistance.

Results should be available from mid-October, provided the samples are received by mid-August. Pot test results will not be available until late autumn. **Samples must be received by 30 September to ensure testing this year.**

Please complete the details overleaf on past cropping and herbicide use. To understand more about the reasons for variation in sensitivity we need to have accurate details of the history of fields for the samples received.

Seed sample of :	Tested for resistance to:	✓	Price per sample
Black-grass	EM (using pendimethalin as an indicator herbicide) ACCase TS (using cycloxydim), ALS inhibitors (using a sulfonylurea pot test)	<input type="checkbox"/>	@ £200 + VAT
Black-grass	ALS inhibitors (using a sulfonylurea in a pot test)	<input type="checkbox"/>	@ £150 + VAT
Wild oats	General resistance (using fenoxaprop-ethyl)	<input type="checkbox"/>	@ £100 + VAT
Italian rye-grass	ACCCase TS (cycloxydim) + other products on request	<input type="checkbox"/>	@ £125 + VAT*

Where would you like results sent?	Invoice address (if different)
Name	Name
Address	Address
Postcode	Postcode
Email*	Email
Phone	Tel.
Farm Name	Purchase order number**
Field name	

*Results will be sent via email unless otherwise requested.

**Purchase order number required for company invoices

Place dry seeds directly in a **paper envelope** with this completed form (do NOT enclose in polythene), write your name, address and field identification on the outside and post by **1st CLASS MAIL** to:

Herbicide Resistance Tests
Boxworth
Cambridge CB23 4NN Tel: 01954 267666



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Optional information

CROPPING DETAILS		Field name:.....		Sample Ref:	
Harvest Year	Crop grown	Cultivation before crop establishment	Herbicide use		
			Product(s) used	Date	Rate /ha
2014					
2013					
2012					
2011					
2010					
2009					
2008					
2007					
2006					
2005					
2004					
2003					
2002					
2001					