

SAMPLES MUST BE RECEIVED BY 1 OCTOBER TO GUARANTEE TESTING THIS YEAR.

HERBICIDE RESISTANCE TESTING 2020 (Grass weeds)

When to collect seed

Species	Early June	Late June	Early July	Mid July	Late July	Early August	Mid August
Black-grass			Yellow	Green	Green	Yellow	
Italian ryegrass			Yellow	Green	Green	Yellow	
Wild oats					Yellow	Green	Yellow
Sterile brome	Yellow	Green	Green	Yellow			
Meadow brome				Yellow	Green	Green	Yellow
Rye brome				Yellow	Green	Green	Yellow

Sampling too early results in unviable seed which cannot be tested.

Where: at random from across the field or area

How: — Collect when seed is starting to shed, remove seed from the heads by gentle rubbing.

— Collect enough dry, ripe seed to fill a mug.

— If damp, seed should be dried in an open tray before dispatch.

— Store dry seed in a paper envelope

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 send by **1st CLASS POST** to:

Herbicide Resistance Tests, ADAS Boxworth, Cambridge, CB23 4NN

It's quicker and easier to register and pay online at: www.adas.uk/herbicideresistance

Where would you like results sent?	Invoice address (if different)
Name	Name
Address	Address
Postcode	Postcode
Email*	Email
Phone	Tel.
Farm Name	Purchase order no**
Field name	

*Results will be sent via email unless otherwise requested. **Purchase order number required for company invoices

I agree to have the following tests (over page) conducted provided sufficient viable seed is made available and will be charged at the stated prices.

All background intellectual property owned by the client(s) prior to the work shall continue to vest in the client(s). Any arising intellectual property rights created during the delivery of the work, including but not limited to the resulting data, shall vest exclusively in ADAS. ADAS shall grant to the client(s) a free, non-exclusive licence to use the resulting data for internal purposes.

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What to expect

- ADAS will acknowledge receipt of your sample
- As most weeds have a dormancy period testing will not begin until 2-4 weeks after seeds arrive. Tests take 8-10 weeks to complete with tests being sown every 2-3 weeks.
- Samples with poor germination may result in delayed or failed tests.
- Results will be sent as soon as they are available with an interpretation of the results to help guide your resistance management strategy.
- For queries or questions please contact Sarah Cook, sarah.cook@adas.co.uk, 07901 511328

USE ONE FORM PER SAMPLE

Standard tests Tick test to be done

Standard tests £240, additional herbicides from list below £50 each

✓ Black-grass

Example product	Active substance	HRAC group	Resistance indicator
<input type="checkbox"/> Laser	Cycloxydim	1 - dim	ACCcase TS
<input type="checkbox"/> Stomp	Pendimethalin	3	Enhanced metabolism
<input type="checkbox"/> Atlantis	Mesosulfuron + Iodosulfuron	2	ALS inhibitors

Italian ryegrass

<input type="checkbox"/> Laser	Cycloxydim	1 - dim	ACCcase
<input type="checkbox"/> Axial	Pinoxaden	1 - den	ACCcase
<input type="checkbox"/> Atlantis	Mesosulfuron + Iodosulfuron	B	ALS inhibitors

Wild oats

<input type="checkbox"/> Axial	Pinoxaden	1 - den	ACCcase TS
<input type="checkbox"/> Foxtrot	Fenoxaprop	1 - fop	ACCcase TS
<input type="checkbox"/> Atlantis	Mesosulfuron + Iodosulfuron	2	ALS inhibitors

Brome

<input type="checkbox"/> Falcon	Propaquizafop	1 - fop	ACCcase TS
<input type="checkbox"/> Laser	Cycloxydim	1 - dim	ACCcase TS
<input type="checkbox"/> Pacifica plus	Mesosulfuron + Iodosulfuron + amidosulfuron	2	ALS inhibitors

Bespoke herbicide tests

Species (✓)	Blackgrass <input type="checkbox"/>	Italian ryegrass <input type="checkbox"/>	Wild oats <input type="checkbox"/>	Brome <input type="checkbox"/>
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Select your herbicides (tick each required)

Cost for single test - £120

Cost for each additional herbicide - £ 60

Example product	Active substance	Group	✓	Example product	Active substance	Group	✓
Axial	Pinoxaden	1-den		Avocet	Pyroxsulam	2-SA	
Centurion max	Clethodim	1-dim		Pacifica plus	Mesosulfuron + Iodosulfuron + amidosulfuron	2-su	
Laser	Cycloxydim	1-dim		Atlantis	Mesosulfuron + Iodosulfuron	2-su	
Topik	Clodinafop	1-fop		Broadway star	Pyroxsulam + florasulam	2-su	
Foxtrot	Fenoxaprop	1-fop		Stomp	Pendimethalin	3	
Fusilade Max	Fluazifop	1-fop		Roundup	Glyphosate	9	
Falcon	Propaquizafop	1-fop		Sunfire	Flufenacet	15	
Pilot Ultra	Quizalafop-p-ethyl	1-fop		Defy	Prosulfocarb	15	