

CERC

*Independent
Environmental
Technology Transfer
Agricultural
Seed Research*

CROP CERC

c r o p a n d e n v i r o n m e n t r e s e a r c h c e n t r e



interaction of agrochemicals target organisms and their

Excellent laboratory and field facilities are available to investigate the modes of action of agrochemicals, both old and new. Thus, the interaction of crop protection agents can be examined at all levels, from target site to field efficacy.

Field trials are an important area of CERC's remit, currently exceeding fifty hectares of various crops. Equipment for trial purposes and demonstrations include plot drills, plot combines, precision and pneumatic seed drills, fertiliser distributors for both granular and liquid application, pedestrian and tractor mounted precision sprayers, forage harvesters and a full set of potato equipment.



micals with environment



CERC has a dedicated team of trials officers who undertake efficacy and other commercial trials while working closely with the academic staff of Harper Adams to provide field trials and support services for College teaching and research.

These trials cover

- **Combinable cereal and non-cereal crops**
- **Forage and herbage crops**
- **Potatoes and root crops**
- **Glasshouse crops**

in areas of crop physiology, quality, nutrition, pathology and post-harvest physiology.



Research from lab to field

The Crop and Environment Research Centre at Harper Adams is accredited by the Pesticide Safety Directorate to conduct efficacy trials in the UK on agricultural, horticultural and stored crops.

Support services include

- **Certified chemical store**
- **Seed handling unit**
- **Trial logistics – experimental design through seed preparation to planting, assessments, harvest, data analysis and production of reports.**

Biotechnology at CERC includes diagnostic studies and commercial forecasting services. This includes PCR and ELISA diagnostics to identify and confirm pathogens. A potato cyst nematode assessment and identification service is also available.

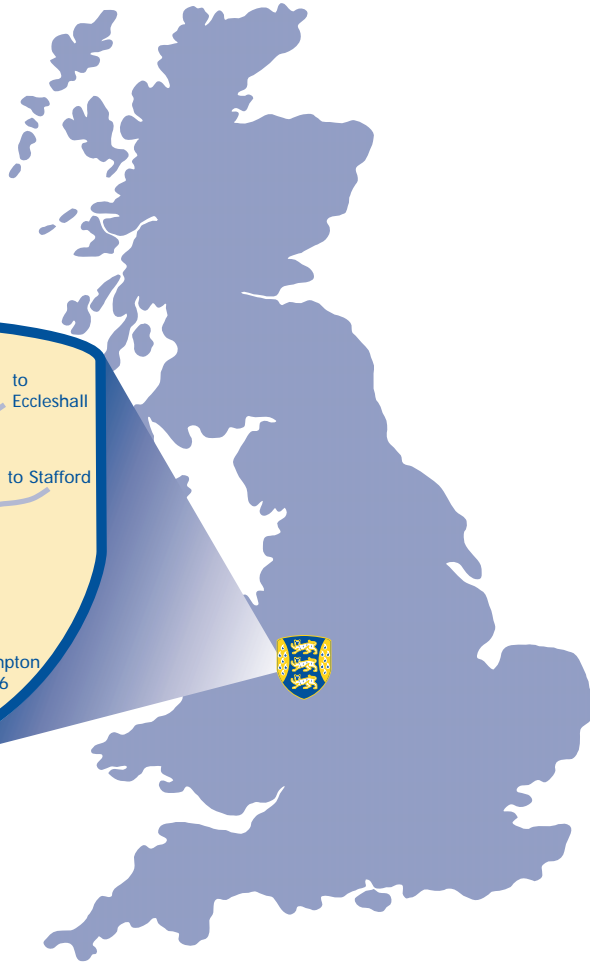
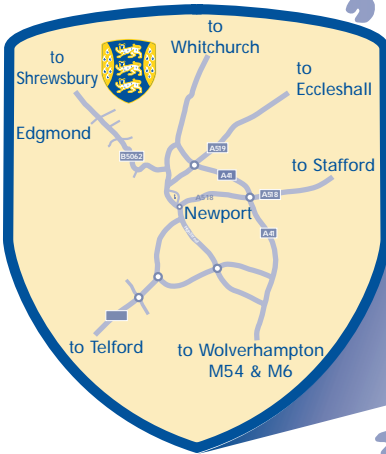


Harper Adams University College

The Crop and Environment Research Centre (CERC) is an important Research and Information Transfer focus of the School of Agriculture at Harper Adams University College. CERC undertakes research into crop science, crop technology, the modes of action of agrochemicals and the environmental implications of modern crop production. Researchers have access to first class research facilities including biotechnology laboratories, growth rooms and a national network of field trial sites. The combination of expertise and facilities enables CERC to undertake major contracts for government bodies, Research Councils, farmer-funded organisations and private clients.

The facilities include a dedicated, purpose-built research building encompassing a biotechnology laboratory, modern field laboratories, chemical store, chemical preparation room and seed store. Controlled environment growth cabinets, soil analysis facilities, cold storage and drying ovens are also available in a new adjacent Field Technology Centre. A glasshouse complex comprising six growing compartments and misting facilities, supplemented by poly tunnels, enables important non-field based crop trials to be undertaken.

Location



For further information on any of **CERC's** research capabilities or trials services please contact:

Charles Murray, Trials Manager, CERC, Email: cmurray@harper-adams.ac.uk

Dr. Keith Chaney, Head of Crops Group and CERC, Email: kchaney@harper-adams.ac.uk

Prof. Andy Cobb, Director of Research, Dean of School of Agriculture, Email: ahcobb@harper-adams.ac.uk

Harper Adams University College, Newport, Shropshire, TF10 8NB

Tel: **01952 820280** Fax: **01952 814783**