

Institute of Organic Training & Advice: PACARes funded by Defra)
Organic food and farming research programmes and research facilities in the UK (April 2006)

| Organisation | Type | Location & Contact. | Further Details (size, capacities, organic since when, etc.) |
|--|---------------|--|---|
| ADAS | Research farm | E England ADAS Terrington Bill.cormack@adas.co.uk | Total of 25 ha in a stockless arable rotation. Conversion started 1990. 10ha in a five-course rotation, organic conversion completed in 1995. Field-scale study of sustainability of stockless organic arable production. |
| ADAS | Research farm | NE England ADAS High Mowthorpe | Mixed arable and grass covering 100 ha with a suckler cow herd. Start date ? Sustainability of upland organic beef and sheep production and compares performance with non-organic. |
| ADAS | Research farm | N England ADAS Redesdale | Upland sheep (500) and beef (40 cows) unit covering 440 ha. Start conversion 1991. |
| ADAS | Research farm | Wales ADAS Pwllpeiran | Upland sheep (160) and beef (12 cows) unit covering 110 ha. Established 1993. |
| Department of Agriculture and Rural Development Northern Ireland | Research farm | Northern Ireland Greenmount Campus, College of Agriculture, Food and Rural Enterprise charlotte.moore@dardni.gov.uk | Organic unit comprises 36 ha managed organically since spring 2002. Carries self contained Aberdeen Angus suckler to beef herd, self contained Lleyn sheep flock, growing sufficient cereals to support the livestock and managed to be as sustainable as possible. |
| Department of Agriculture and Rural Development Northern Ireland | Networks | Northern Ireland | Greenmount Organic unit and commercial organic farms network used for research, communication and dissemination . |
| Department of Agriculture and Rural Development Northern Ireland | Research Farm | Northern Ireland Plant Breeding Station, Loughgall, Co. Armagh sean.macantsaoir@dardni.gov.uk | Organic apple orchard. |

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| Duchy College, Organic Studies Centre, Cornwall | Research farm | SW England Coswainsawsin Farm, Camborne, Cornwall Contact Organic Studies Centre on 01209 722148; j.burke@cornwall.ac.uk s.roderick@cornwall.ac.uk | 25 ha field vegetables and cereals. Rotation based on potatoes, brassicas, cereals, fertility building legumes. Fully organic since 2001. |
| Duchy College, Organic Studies Centre, Cornwall | Long-term crop experiments | SW England Contact: Organic Studies Centre s.roderick@cornwall.ac.uk Tel 01209 722113 | Field scale comparison of grass mixtures; cereal variety trial site; Six organic farm sites throughout Cornwall. |
| Duchy College, Organic Studies Centre, Cornwall | Contracts with farms or on-farm studies | SW England Contact: Organic Studies Centre j.burke@cornwall.ac.uk ; s.roderick@cornwall.ac.uk Rachel.moss@cornwall.ac.uk | Protein crop production for organic livestock; organic cereal production surveys; potato, salad vegetable and brassica variety studies. Contracts variable.. |
| Duchy College, Organic Studies Centre, Cornwall | Other: Greenhouse | SW England Contact: j.burke@cornwall.ac.uk Barry.mulholland@duchy.ac.uk Phil.legrice@cornwall.ac.uk | Purpose built, state of the art glass house research facility. |
| Duchy College, Organic Studies Centre, Cornwall | Contracts with farms and on-farm studies | SW England Contact: Organic Studies Centre j.burke@cornwall.ac.uk ; s.roderick@cornwall.ac.uk Rachel.moss@cornwall.ac.uk | Parasite control in organic sheep flocks; herd health and welfare assessment and benchmarking; economic benchmarking. Contracts variable. |
| Duchy College, Organic Studies Centre, Cornwall | Other: Laboratory | SW England Duchy College, Rosewarne Contact: j.burke@cornwall.ac.uk phil.legrice@cornwall.ac.uk | Micro-propagation, soil science, plant pathology, entomology research and training facility. |

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| Duchy College, Organic Studies Centre, Cornwall | Networks | SW England Organic Studies Centre Contact: j.burke@cornwall.ac.uk | Dairy farmer discussion group: information exchange on organic dairy production and systems management; dairy herd health, nutrition and breeding for organic production. |
| EFRC | Research farm | S England Elm Farm – Bruce Pearce (bruce.p@efrc.com) | Elm Farm – 90 ha working organic farm (organic since 1980). Beef, forage and arable enterprises. Main office for the institute. |
| EFRC | Research farm | S England Sheepdrove Organic Farm – Lois Philipps (lois.p@efrc.com) | Sheepdrove Organic Farm – 800 ha downland organic farm in southern England. Mixed farm of arable, forage, beef, pigs and silvo-poultry. Office and meeting facilities. Conversion began 1994. Monitoring since 2003/04 as base line data. |
| EFRC | Research farm | E England Wakleyns Agroforestry – Martin Wolfe (martin.w@efrc.com) | Wakleyns Agroforestry – 24 ha organic farm in eastern England. Stockless mixed cropping agroforestry system. Office and meeting facilities. |
| EFRC | Long-term crop experiments | S England Elm Farm – Lois Philipps (lois.p@efrc.com) | 10 years of stockless rotation. |
| EFRC | Networks | Various sites through UK Hannah Jones – (Hannah.j@efrc.com) | Network of commercial organic farmers working with EFRC on cereal production and breeding research projects. Started 2001. |
| EFRC | Animal research facilities | S England Sheepdrove Organic Farm – Lois Philipps (lois.p@efrc.com) | Innovative poultry production system used for research within production sheds and designated poultry research system including feed trials and silvo-poultry. Start date 2003/04. |

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| EFRC | Other: Laboratory | S.England Elm Farm. – Bruce Pearce (Bruce.p@efrc.com) | Basic laboratory for undertaking preparation for field trials. |
| EFRC | Other: Policy and social | S.England Bruce.p@efrc.com | EFRC has facilities to undertake a range of policy and socio-economic research. |
| EFRC | Networks | England Bruce.p@efrc.com | Farm network and groups including Organic Systems Development Group of 10 farms with full range of enterprises, started in 2001, concerned with research, dissemination and development of environmental benchmarking. |
| HDRA | Research farm | Central England HDRA Ryton Organic Gardens, Warwickshire tnunis@hdra.org.uk ktippens@hdra.org.uk | 5ha field vegetable production, organic since 1984. 5ha demonstration gardens, organic since 1984. |
| HDRA | Research farm | SE England HDRA, Yalding Organic Gardens, Kent jmathias@hdra.org.uk | 5ha demonstration gardens, organic since 1994. |
| HDRA | Research farm | E England HDRA, Audley End, Essex mthurlow@hdra.org.uk | 2.5 ha demonstration gardens, organic since 1999. |

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| HDRA | Long-term crop experiments | Central England frayns@hdra.org.uk rosemary.collier@warwick.ac.uk | Hunts Mill Warwick HRI Wellesbourne – 13 ha, since 1996, investigating the performance of three cropping strategies contrasting in terms of cropping and fertility building regimes (vegetable/arable systems). Organic Unit Warwick HRI Kirton – 3.2ha, since 1997, investigating the performance of a field vegetable cropping strategy (DEFRA). |
| HDRA | Other: Greenhouse | Central England HDRA, Coventry tnunis@hdra.co.uk | State of the art glasshouse facilities (with compartments licensed by Defra to handle quarantine plant pathogens). |
| HDRA | Other: Laboratory | Central England HDRA, Coventry frayns@hdra.org.uk | State of the art laboratories for research related to plant genetic resources, soils, seed pathology and microbiology (licensed by Defra to handle quarantine plant pathogens). |
| HDRA | Network | England arosenfeldt@hdra.org.uk www.organicveg.org.uk | The Sustainable Organic Vegetable Systems Network A network of 10 farms with organic field vegetable production, agronomic and economic performance monitored, on-farm innovation supported and documented. |
| HDRA | Network | England gdavies@hdra.org.uk www.organicweeds.org.uk | Organic Weed Management Network. Network of 350 farmers participating to explore management of weeds on organic farms, with 25 farmers conducting monitored on-farm trials. Started 2001. |
| HDRA | Contracts with farms and on-farm studies | England psumption@hdra.org.uk mike.day@niab.com | Vegetable variety testing. Collaboration between HDRA and NIAB. Five farms since 1990, expanded to 18 farms since 2005. |

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| HDRA | Other: Vegetable Genetic Resources | Central England sbywater@hdra.org.uk | Heritage Seed Library. Collection of 700 accessions of rare and endangered vegetable varieties. |
| HDRA | Networks | UK | Garden Organic (HDRA membership scheme) 32,000 members (gardeners, consumers, organic citizens) used for communication and dissemination. |
| HDRA | Network | UK | Garden Organic Members' Experiment Network. A network of approx 500 Garden Organic members who actively participate with in-garden research activities on an annual basis. |
| IGER | Research farm | W Wales IGER, Trawsgoed, Aberystwyth, Ceredigion, SY23 4LL, UK. Contact: Richard.weller@bbsrc.ac.uk | 86 hectare organic dairy farm converted in 1992-94 period. Facilities currently evaluating two contrasting systems of milk production including changes in nutrient budgets, efficiency of nutrient utilisation, soil fertility, crop quality, animal health, animal performance and financial margins. Linked to six commercial organic dairy farms. |
| NIAB | Other: Laboratories | E England NIAB Cambridge Jane.thomas@niab.com | state of the art laboratories for molecular biology, plant pathology, produce quality. |
| NIAB | Other: Greenhouse | E England NIAB Cambridge Jane.thomas@niab.com | Extensive glasshouse facilities for growing ornamental species, specialist glasshouse facilities for plant pathology purposes and general arable crop research. |

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| NIAB | Networks | E England Cambridge, and eight regional centres around the UK Simon.kerr@niab.com | Access to organic research sites on grower holdings. Access to a wide range of non-organic arable and vegetable growing situations. Specialist irrigated facilities at Cambridge for plant disease work. Used for research including variety trials and dissemination. |
| NIAB | Other: Growth rooms | E England NIAB Cambridge jane.thomas@niab.com | 8 temperature controlled rooms for plant pathology work. |
| SAC | Research Farm | E Scotland Craibstone Estate, Aberdeen Contact: david.younie@sac.co.uk | Organic since 1992. 89ha ploughed land, 60 ha permanent pasture. 350 breeding ewes and 100 finishing cattle. |
| SAC | Long-term crop experiments | E Scotland Craibstone Estate, Aberdeen Contact: christine.watson@sac.ac.uk | Replicated rotation trial comparing 2 organic rotations including different ley:arable ratios. Established 1991. |
| SAC | Other: Greenhouse | E Scotland Craibstone Estate, Aberdeen and Kings Buildings, Edinburgh Contact: christine.watson@sac.ac.uk | Greenhouse facilities for soil and plant science. |
| SAC | Animal research facilities | E Scotland Craibstone Estate, Aberdeen Organic Farms and Veterinary Laboratory. Contact: Douglas.Gray@sac.co.uk | Purpose-built animal housing for cattle and sheep. Currently buildings, fields and post mortem room facility are approved for animal use research purposes (Animals (Scientific Procedures) Act). Complete range of veterinary pathology services. |
| SAC | Animal research facilities | W Scotland Auchincruive, Ayr, KA5 6HW Contact nick.sparks@sac.ac.uk | Free-range (replicated) poultry unit, controlled environment growth rooms, hatchery, processing plant and feed mill. |

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| SAC | Other: Laboratory | W Scotland Craibstone Estate, Aberdeen and Kings Buildings, Edinburgh Contact: christine.watson@sac.ac.uk | State-of-the-art laboratories for soil and plant sciences. |
| SAC | Other: Phytotron | W Scotland Craibstone Estate, Aberdeen and Kings Buildings, Edinburgh Contact: christine.watson@sac.ac.uk | Controlled environment facilities for soil and plant science. |
| SAC | Network | Scotland. Contact: david.younie@sac.co.uk | 2 demonstration farms: 1. Godscroft Abbey, Duns - upland mixed farm 750 ha (576 ha crops and grass. 1800 breeding ewes and 160 suckler cows. 2. East Mains, Dundee - lowland mixed farm 160 ha (all ploughable). 60 breeding ewes, 60 suckler cows, finishing pigs (2000 per annum). 4 ha vegetables, 25 ha seed potatoes Used for research and dissemination. |
| University of Bristol | Animal research facilities | SW England Wyndhurst Farm Contact: David Main | Non-organic 100 cow dairy unit and sheep farm. Animal research facilities: behavior and production research. Complete range of veterinary services laboratories. Specialising in organic husbandry, organic certification, welfare assessment, experimental design and statistical analysis. |
| University of Newcastle | Research farm | N England Nafferton Ecological Farming Group – contact c.leifert@ncl.ac.uk | 320 hectares conventional, 160 hectares organic, 160 dairy cows, 80 organic dairy cows, –Compost Tea Maker, Sandberger Composting Unit Converted. |
| University of Newcastle | Long-term crop experiments | N England Nafferton Ecological Farming Group – contact p.n.shotton@ncl.ac.uk | Nafferton systems comparison study. |

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| University of Newcastle | Other: Greenhouse | N England Close House and Stockbridge Technology Centre – contact c.leifert@ncl.ac.uk | Access to 8 hectares of new glasshouses at Close House – University of Newcastle and Stockbridge Technology Centre. |
| University of Newcastle | Animal research facilities | N England Nafferton Ecological Farming Group – contact gillian.butler@ncl.ac.uk | 160 dairy cow experimental herd, 40 head beef cattle rearing unit, 100 lamb finishing unit. |
| University of Newcastle | Other | N England University of Newcastle c.leifert@ncl.ac.uk | State of the art sol physics, chemistry and biological assessment labs. State of the art fixed climate chambers (8). Phytotron. |
| University of Nottingham | Research farm | Central England University of Nottingham Debbie.sparkes@nottingham.ac.uk | 20ha stockless organic area within 400ha farm. Organic since 2002. |
| University of Nottingham | Long-term crop experiments | Central England University of Nottingham Debbie.sparkes@nottingham.ac.uk | Replicated experiment, set up in 2000 to investigate conversion strategies for stockless organic systems. |
| University of Nottingham | Other: Greenhouse | Central England UoN Debbie.sparkes@nottingham.ac.uk | Suite of glasshouses and controlled environment rooms. |
| University of Nottingham | Other: Laboratory | Central England UoN Debbie.sparkes@nottingham.ac.uk | State of the art laboratories for crop physiology, soil, plant and food related research. |
| University of Wales | Other: Greenhouse | Wales Dr N Lampkin, nhl@aber.ac.uk | Existing facilities could be applied to organic research, but not currently used for this. |

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| University of Wales | Animal research facilities | Wales Dr N Lampkin, nhl@aber.ac.uk | Existing facilities could be applied to organic research, but not currently used for this. |
| University of Wales | Other: Laboratory | Wales Dr N Lampkin, nhl@aber.ac.uk | Existing facilities could be applied to organic research, but not currently used for this. |
| University of Wales | Others – policy, socio-economic research | Wales Dr N Lampkin, nhl@aber.ac.uk | Databases of financial and statistical data, and documents relating to organic farming policy and marketing, consistent with the socio-economic focus of our work. |
| University of Wales, | Research farm | Wales Dr N Lampkin, nhl@aber.ac.uk | 50 ha mainly cattle and sheep - organic since 1996. |
| Warwick HRI | Research farm | Central England Wellesbourne, Warwickshire, UK E England Kirton, Lincolnshire, UK Sally.mann@warwick.ac.uk | Wellesbourne - 100 ha arable land farmed conventionally with wheat and barley crops – sandy loam soil. 12 ha organic since 1995 available annually for trials with separate dedicated trials sites for soil borne diseases, pest insects, nutrient gradients. Kirton - 46 ha grade one silt land ideal for a range of crops and 4 ha organic site registered with Soil Association. |
| Warwick HRI | Long-term experiments | Central and E England Wellesbourne, Warwickshire, UK Kirton, Lincolnshire, UK Rosemary.collier@warwick.ac.uk | Long-term trials on production of organic field vegetables at Wellesbourne and Kirton. Organic plots have been monitored from the start of conversion in 1995-6. A full cropping history and soil analysis data are available. |
| Warwick HRI | Other: Greenhouse | Central England Variety of greenhouse facilities Sally.mann@warwick.ac.uk | Approx 5000 m ² space in various sizes of compartment with heating, lighting, forced fan ventilation, shade screen, A/C and pollen filtration. Virus glasshouse Unit (10 A/C compartments) in self contained quarantine unit with own potting area and autoclave. Range of polytunnels, cold frames and sandbeds. |

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| Warwick HRI | Other: Laboratory | Central England Rosemary.collier@warwick.ac.uk | Laboratories for molecular biology, plant science, soil science, plant pathology, entomology, microbial science. Controlled-temperature storage facilities. Shelf-and vase-life testing facilities. |
| Warwick HRI | Other: Climate chamber | Central England Rosemary.collier@warwick.ac.uk | Plant growth chambers, insect rearing facility. |
| Warwick HRI | Other: genetic material | Central England Genetic Resources Unit dave.astley@warwick.ac.uk | Involved in the conservation of a variety of vegetable crops and their wild relatives. |