

## HDC Current and Recent Projects relevant to the BHTA



| Number  | Project Title  | Start    | Finish   | Leader                                | Contractor                      | Coordinator                         |
|---------|--|----------|----------|---------------------------------------|---------------------------------|-------------------------------------|
| CP 067  | Biology and control of currant-lettuce aphid '(Nasonovia ribisnigri) (HDC Studentship)   | 01/10/09 | 31/03/13 | Rosemary Collier; Student Gemma Hough | University of Warwick           | David Norman                        |
| CP 077  | Sustainable Crop and Environment Protection – Targeted Research for Edibles (SCEPTRE)  | 01/10/10 | 30/09/14 | Tim O'Neill                           | ADAS                            | John Sedgwick                       |
| CP 079  | Understanding the mechanism and role that pre-harvest horticultural maturity, agronomic factors and growing conditions have on postharvest discoloration in celery (PhD Studentship) | 01/10/11 | 30/09/14 | Leon Terry                            | Cranfield University            | Ed Moorhouse                        |
| CP 086  | Weed control in ornamentals, fruit and vegetable Crops – maintaining capability to devise sustainable weed control strategies (Fellowship)   | 01/04/11 | 31/03/16 | John Atwood,                          | ADAS                            | HDC Fellowship Governance Committee |
| CP 087  | Horticultural Fellowship Award: Working with the industry to develop the next generation of technical staff for the UK horticulture industry through a Summer Research Programme     | 01/04/11 | 31/03/16 | Jim Monaghan                          | Harper Adams University College | HDC Fellowship Governance Committee |
| CP 088  | Enhancing the monitoring and trapping of protected crop pests by incorporating LED technology into existing traps (HDC Studentship)  | 01/10/11 | 30/09/13 | Andy Evans                            | SAC                             | Alan Davis                          |
| CP 089  | Horticultural Fellowship Award: Maintaining the expertise for developing and communicating practical Integrated Pest Management (IPM) solutions for Horticulture                     | 01/04/11 | 31/03/16 | Jude Bennison                         | ADAS                            | HDC Fellowship Governance Committee |
| CP 060a | Combined thermal and visual image analysis for crop scanning and crop disease monitoring (HDC Studentship)   | 01/10/10 | 30/09/13 | Nasir Rajpoot                         | University of Warwick           | Alan Davis                          |
| FV 334  | Perennial field margins with combined agronomical and ecological benefits for vegetable rotation schemes   | 01/12/08 | 01/12/13 | Felix Wackers                         | Lancaster University            | Nathan Dellicott                    |
| FV 334a | Automated Field Margin Design for vegetable crops  | 01/04/11 | 31/03/13 | Pat Croft                             | STC                             | Richard Moynan                      |
| FV 344a | Combating Resistance to Aphicides in UK Aphid Pests  | 01/04/12 | 31/03/15 | Steve Foster                          | Rothamsted Research             | David Norman                        |
| FV 361  | (SA Link SA563/LK09130) Sustainable Arable Link: Reducing the impact of Sclerotinia disease on arable rotations, vegetable crops and land use  | 01/10/09 | 31/03/13 | Caroline Young, ADAS                  | ADAS                            | HDC                                 |

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| FV 363  | HortLink: developing precision irrigation for field scale vegetable production, linking in-field moisture sensing, wireless network   | 01/04/10 | 31/03/14 | Jerry Knox                 | Cranfield University   | HDC                             |
| FV 370a | Wild Rocket: N response studies to manage and reduce nitrate levels   | 01/04/11 | 31/12/11 | Richard Weightman          | ADAS                   | Graham Clarkson                 |
| FV 370b | Wild Rocket and Spinach: The impact of Nitrogen and Phosphorus fertiliser application on field grown crops                            | 01/04/12 | 31/12/12 | Richard Weightman          | ADAS                   | Shaun Clarkson                  |
| FV 382a | Carrot: investigating a link between internal browning and the viral diseases PYFV and CMD  | 01/04/12 | 31/03/13 | Adrian Fox                 | FERA                   | Howard Hinds                    |
| FV 386  | PhD Studentship: Use of gaseous ozone to prevent microbial post-harvest spoilage and reduce pesticide residue levels                  | 01/10/11 | 30/09/14 | Supervisor - Ian Singleton | Newcastle University   | Thane Goodrich & Steve Rothwell |
| FV 389  | Combining biopesticides and other treatments to increase pest control   | 01/04/11 | 31/03/13 | Rosemary Collier           | WCC                    | Matt Rawson                     |
| FV 390  | Outdoor herbs: epidemiology and control of downy mildew in sage, parsley, mint and basil under protection.                            | 01/04/11 | 31/09/13 | C Lambourn/A Huckle        | STC/ADAS               | Tom Davies                      |
| FV 394a | Vegetable crops: Development of a screening programme for plant growth enhancement products   | 01/04/12 | 31/03/13 | Pat Croft                  | STC                    | Martin Evans                    |
| FV 400  | Biology and control of 'spinach' mites  | 01/03/12 | 28/02/13 | Rosemary Collier           | University of Warwick  | Thane Goodrich                  |
| FV 403  | The potential of the coriander bacterial blight pathogen to infect parsley  | 01/01/12 | 31/05/12 | Steve Roberts              | Plant Health Solutions | Tom Davies                      |
| FV 407  | Spinach: Preliminary studies on forecasting migrations of Aphis fabae into crops  | 01/04/12 | 31/10/12 | Rosemary Collier           | University of Warwick  | Shaun Clarkson                  |
| FV 408  | Baby-leaf Cruciferae and Watercress: Improved control of Scaptomyza flava   | 01/05/12 | 31/03/13 | Tom Pope                   | ADAS                   | Will Archer                     |
| PE 005  | Protected edible crops: biological control of plant diseases using insect pathogenic fungi with dual activity against plant pathogens | 01/05/11 | 30/04/13 | Dave Chandler              | University of Warwick  | Phil Pearson                    |
| PE 006  | Protected herbs: improved biological control of aphids  | 01/04/11 | 31/03/12 | Jude Bennison              | ADAS                   | Claire Donkin                   |
| PE 006a | Protected herbs: improved biological control of aphids - extension  | 01/04/12 | 31/03/13 | Jude Bennison              | ADAS                   | Claire Donkin                   |
| PE 012  | The effect of Jasmonic Acid (JA) seed treatment on aphid in protected lettuce, basil and parsley                                      | 01/06/12 | 31/05/14 | Pat Croft                  | STC                    | Claire Donkin & Geoffrey Smith  |
| PE 015  | Inducing compact growth and improved shelf life in herbs by mimicking drought signals   | 01/09/13 | 30/04/14 | Peter Kettlewell           | HAUC                   | Claire Donkin                   |