

Mushrooms

Agricus Group

Diseases & Disorders (Crp Pro)

- M 1 Review of research work carried on the biology, epidemiology and relationship of trichoderma species with agaricus bisporus
- * **Literature Review 1990**
- M 1a Mushrooms: the control of Trichoderma in relation to compost with fungicides
- * **Final Report 1993; Factsheet 35/95**
- M 1b Mushrooms: The control of Trichoderma by fungicide treatment of spawn
- * **Final Report 1995; Factsheet 35/95**
- M 6a Review of biological control of mushroom disease
- * **Final Report 1991**
- M 7 Mushrooms: diagnosis and detection of mushroom viruses
- * **Final Report 1993**
- M 7a Calibration of the new mushroom virus antiserum for use in immunosorbent electron microscopy (IEM)
- * **Final Report 1995**
- M 10 Mushroom compost: Development of a rapid diagnostic test, for colonising forms of Trichoderma
- * **Final Report 1993**
- M 10a Development of a rapid diagnostic test for compost colonising forms of Trichoderma
- * **Final Report 1996**
- M 12 Mushrooms: the control of Mycogone perniciososa with fungicides
- * **Final Report 1993**
- M 13 Mushrooms: sensitivity of fungal pathogens to new fungicides
- * **Final Report 1993**
- M 14 Mushrooms: fungicide resistance
- * **Final Report 1993**
- M 14a Survey of fungicide resistance in the mushroom pathogens Dactylium, Trichoderma and Aphanocladium and assessment of carbendazim degradation in casing.
- * **Final Report 1996; Factsheet 17/00**
- M 14b Survey of fungicide resistance in the mushroom pathogens Verticillium and Mycogone
- * **Final Report 1998; Factsheet 17/00**
- M 14c Mushroom: in vivo response of prochloraz resistant Verticillium to Sporgon
- * **Final Report 1999; Factsheet 17/00**
- M 16 The possible use of chlorine dioxide on mushroom crops in the UK
- * **Final Report 1993; Factsheet 15/04**

- M 22 Examination of the efficacy of two novel fungicides against *Dactylium dendroides*
* **Final Report 1996/7; Factsheet 17/00**
- M 24 HDC support for the re-instatement of the approval for pirimiphos methyl on mushrooms
- M 26 The fate of Sporgon in casing
* **Final Report 1997; Factsheet 17/00**
- M 26a Evaluating the efficacy of various Sporgon application regimes in controlling *Dactylium*
* **Final Report 1997; Factsheet 17/00**
- M 29 Study of the taxonomy, biology and epidemiology of Cobweb causing pathogens, primarily *Dactylium* (*Gladobotryum*) *dendroides*
* **Final Report 2000; Factsheet 17/00**
- M 30 Relationship of laboratory resistance to practical control of *Dactylium*
* **Final Report 1998; Factsheet 17/00**
- M 30a Fungicide profiles in casing
* **Final Report 1999; Factsheet 17/00**
- M 31 Evaluation and interpretation of recent research data and production of a leaflet on the control of mushroom diseases
* **Factsheet 2/98**
- M 33 Screening fungicides for potential control of primarily *Verticillium* also *Mycogone*, *Dactylium* and *Trichoderma*
* **Final Report 1999; Factsheet 17/00**
- M 33a Screening new chemicals for *Verticillium* control
* **Final Report 2001; Factsheet 17/00**
- M 34 The effects of compost moulds in mushroom compost
* **Final Report 1999**
- M 34a Survey of compost moulds in traditional and bulk phase III compost
* **Final Report 2002**
- M 35 Determining the causes of mushroom water stress symptoms
* **Final Report 2000; Factsheet 15/04**
- M 39 An investigation of the cause and control of a causally unknown mushroom cropping problem (putative virus X)
* **Final Report 2001**
- M 39a Mushrooms: epidemiology of Virus X complex
* **Final Report 2002**
- M 39b Epidemiology of Virus X complex
* **Final Report 2003**
- M 39c Epidemiology of Virus X complex. Year 3

* **Final Report 2005**

M 39d Mushroom Virus X disease. Recognition and maintenance of "Negative" status

* **Final report 2006**

M 41 Studies on fungicides in mushroom casing in relation to disease control

* **Final Report 2001**

M 41a Studies on fungicides in mushroom casing in relation to disease control

* **Final Report 2005**

Pests (Crop Protection)

M 6b The control of mushroom pests using biological control and environmentally acceptable products

* **Final Report 1991**

M 9 Control of mushroom flies with the predatory mite *Hypoaspis miles*

M 9a Control of mushroom flies with the predatory mite *Hypoaspis miles*

* **Final Report 1994**

M 23 Determination of the extent and degree of OP resistance in mushroom farm populations of the sciarid *Lycoriella auripila*

* **Final Report 1995**

M 25 Determination of the variation in the development and multiplication of phorids and sciarids when reared on various commercial mushroom spawns

* **Final Report 1996**

M 25a Determination of the effect of commercially grown strains of cultivated mushrooms on the development and multiplication of mushroom pests

* **Final Report 2000**

M 32 Investigations into non-chemical control of mushroom sciarids using compost or peat-based substrates as bait traps

* **Final Report 1999**

M 36 Oviposition substrate selection in sciarid and phorid fly pests

* **Final Report 2002**

M 42 Mushrooms: integrated pest management of sciarid flies

M 42a Supplementary work for IPM of sciarid flies in mushrooms

* **Current**

M 44 Mushrooms: potential for biological control of sciarid and phorid flies using predatory beetle *Atheta coriaria*

* **Final report 2007**

Labour utilisation/ergonomics

M 27 Video training package for mushroom pickers

* **Video 'Effective Mushroom Harvesting' 96**

Waste/Environment

- M 3c Reduction of pollution from mushroom composting
* **Final Report 1997**

Varieties/Products

- M 4 Mushrooms: development of Agaricus spp. other than Agaricus bisporus
* **Final Report 1993**
- M 4a The culture of alternative Agaricus species on a commercial and semi-commercial scale
* **Final Report 1994**
- M 4b Alternative Agaricus: the culture of Agaricus W4 and Agaricus arvensis
* **Final Report 1995**
- M 4c Commercial farm trials with Agaricus subfloccosus W4 and Agaricus arvensis (93-7) strains
* **Final Report 1996**
- M 15 Evaluation of A.bisporus/A.bitorquis hybrids
* **Final Report 1996**

Product scheduling/supplychain

- M 8 The effect of flush number on the quality and shelf-life of mushrooms
* **Final Report 1992; Factsheet 15/04**

Nutrition & other inputs

- M 2 Review of environmental factors and mushroom production
* **Final Report 1990**
- M 3 Mushrooms: controlled environment composting
* **Final Report 1993**
- M 3a Mushrooms: controlled environment composting - Microbiology work
* **Final Report 1993**
- M 3b Controlled environment composting - Minskip Mushrooms
* **Final Report 1991**
- M 3d Development of odour-free mushroom compost by modifying the organic and inorganic nitrogen sources and process technology
* **Final Report 2001**
- M 3e Mushrooms: improving the efficiency and environmental impact of mushroom composting (LINK)
* **Final report 2006**
- M 5 Mushrooms: re-use of compost
* **Report 1991; Final Report 1993**

- M 17 Strain protection using recombinant DNA technology
* **Final Report 1996**
- M 17a Recombinant DNA technology and its use in strain protection
* **Final Report 1999**
- M 18 Survey of chemical usage
* **Factsheet 1993**
- M 19 Relationship between sporophore morphology and mushroom quality
* **Final Report 1998; Factsheet 15/04**
- M 19a Validation of Mushroom Bruisometer
* **Final Report 1999; Factsheet 15/04**
- M 20 Mushroom casing: a survey of industry usage to include materials, treatments and effects
* **Final Report 1993; Factsheet 15/04**
- M 20a The effects of casing materials and casing management techniques on the yield and quality of mushrooms
* **Final Report 1998; Factsheet 15/04**
- M 20b Properties of peat sources used in mushroom casing
* **Final Rep 1996; Factsheet 40/97 & 15/04**
- M 28 The use of biodegradable barriers within conventional growing systems to unify the production of mushrooms per unit bed of cropping surface throughout successive flushes
* **Final Report 1997**
- M 37 The use of calcium chloride in the irrigation water to improve mushroom quality
* **Final Report 1999; Factsheet 15/04**
- M 40 Mushroom quality: Use of the bruisometer to determine which agronomic and environmental factors affect bruisability I Effects of compost depth, casing depth and compost duration
* **Final Report 2000; Factsheet 15/04**
- M 40a Mushroom quality: use of bruisometer to determine which agronomic and environmental factors affect bruisability II Effects of humidity, water potential of casing and casing type
* **Final Report 2002; Factsheet 15/04**
- M 43 Mushrooms: Carbon and nitrogen sources for organic and odourless mushroom composts
* **Final report 2008**

General

- M 5e M 5e
- M 21 Advice to the mushroom panel
- M 38 M 38
* **Final Report 2000**

- M 100a Trip to mushroom congress in Dublin
 - * **Report 1991; Factsheet 15/04**

- M 100b Post harvest physiology visit to the USA
 - * **Final Report 1992**