

FEC Publications for farmers & growers

Technical Guides

Safe use of Electricity in Farming & Horticulture

Using simple language and over 100 illustrations this 4th edition safety handbook gives practical advice on improving and maintaining safety on the farm. It outlines the farmer's responsibilities under the Health and Safety at Work Act, the Electricity at Work Regulations and lists the relevant legal references. Most importantly, it shows how to do the basics correctly and spells out the work that should be undertaken by competent electrical contractors. Essential reading for farmers, growers, their staff and students.

Price £5.00 - When ordering quote FEC 2107

How to Survive A Power Failure

A booklet covering emergency procedures for farmers and growers. Includes practical supply and safety measures with specialist advice for livestock and crop storage.

Price £2.50 - When ordering quote FEC 2109

How to Get Connected

A booklet detailing when and how to upgrade your electricity supply.

Price £2.50 - When ordering quote FEC 7959

Bulk Grain Drying & Conditioning

Crop prices are determined both by quality and the time of sale. This brochure describes what farmers can do to preserve the feeding value and germinative capabilities of grain over long storage periods. Electrical techniques for cooling and drying are explained and help is given in sizing and selecting equipment.

Price £3.50 - when ordering quote EA 1032

Dehumidifiers for Grain Drying

The application of dehumidifiers is explained and the benefits set out. Help is given in sizing the appropriate machine and the alternative layouts are shown along with advice on controls.

Price £2.50 - When ordering quote EA 1033

Hay Drying

An FEC Guide covering all stages of drying, from field operations to baling. Includes advice for small bale, large bale and bulk hay drying.

Price £5.00 - When ordering quote FEC 2110

Potato Storage

An FEC Guide to the seeding and storage of potatoes. Ventilation, lighting and heating/cooling are considered for growing, harvesting, grading and storage of the crop.

Price £5.00 - When ordering quote FEC 2111

Energy Efficient Cooling & Storage for Fruit & Vegetables

This brochure deals with the seven principal cold storage techniques, in particular it has a section on energy efficiency in operating stores and quotes minimum insulation standards for cold stores. New storage techniques covered in this publication are: high humidity, freezing fog and the Posi-Igloo. Nitrogen flushing is referred to under controlled atmosphere stores. A section is given over to the use of refrigerants and the effects of CFCs on the environment; a contact point is given for the Refrigeration Users Group.

Price £3.50 - When ordering quote FEC 2104

Lighting for Horticultural Production

Lighting techniques for horticulture are well proven and can help the grower both to increase productivity and improve product quality. The economics of lighting are more favourable now that the equipment has become widely available. This brochure explains the main techniques and gives recommended treatments for a range of salad and ornamental crops. Advice is given on how to achieve a satisfactory installation via computer design.

Price £3.50 - When ordering quote FEC 2102

Technical Guides

Lighting for Nursery Stock (Joint Publication with HDC)

Increasing quantities of nursery stock plants are sown under glass and there is a need for top quality to be competitive. Lighting has been used to manipulate and improve the growth of hardy species. The report sets out results from three years of research into treatments and benefits.

Price £5.00 - When ordering quote HDC

Electricity in Dairy Farming: Efficient Milking and Cooling

The cooling of milk plays an important role in determining its hygienic quality. The principles of the cooling plant are described as are the options for improving the plant's performance. The brochure looks at the steps producers can take to maintain the energy efficiency of their milking and cooling systems. It also discusses the implications of alternate day collection. Advice is given on refrigerants, stand-by generators, heating, lighting and ventilation.

Price £3.50 - When ordering quote FEC 2105

Clean Milk Production: Efficient Techniques for Hygiene and Heating

Milking plant needs scrupulous cleaning which calls for chemicals and a supply of hot water. The options for heating water efficiently are set out and guidelines on quantities and temperatures are quoted from British standard BS 5226. Cleaning routines are described and the scope and techniques for heat recovery are discussed. Additional sections cover calf feeding, personnel heating and frost protection.

Price £3.50 - When ordering quote FEC 2106

Controlled Environments for Livestock

Invaluable to farmers with pigs, poultry and cattle. The simply written and well illustrated handbook aims to improve housed animals' surroundings and make buildings more efficient. The book explains basic principles for fan installations, inlet/outlet cowls and common ventilation systems as well as heating and lighting controls. There are step-by-step guides to enable producers to design their own heating and ventilation systems.

Price £7.50 - When ordering quote EA 1011

Electric Heating & Ventilation for Pig Production

This 12 page publication covers energy efficient techniques for pig production, from farrowing to finishing. The role of good controls in order to minimise energy and food waste is explained.

Price £3.50 - When ordering quote FEC 2103

The NAC - Waste Management System Operational Report

The Operational Report of the NAC Waste Management System is a companion volume to the original report of the NAC system. It describes two years' operational experience of the NAC waste system. Monitoring has been carried out to determine the actual volume handled by the system and the costs and benefits. The performance of the equipment is analysed as are the values of liquid and solid fractions as fertilisers. The successful treatment of odours is also discussed.

Price £2.50 - When ordering quote FEC 1999

Pumping & Irrigation

An FEC Guide to all aspects of water handling and treatment. Includes legislative details and a comprehensive pump selection guide.

Price £5.00 - When ordering quote FEC 2108

Farm Lighting

A straightforward look at the pros and cons of various lamp choices for an assortment of applications. Includes the latest advice for compliance with current accreditation schemes.

Price £5.00 - When ordering quote FEC 2112

Quartz Heaters for Farmers and Growers

Quartz Linear Lamp heaters (QLLs) are being used successfully in agriculture where many of the buildings cannot be heated conventionally. The brochure describes their applications in workshops, milking parlours, packing sheds etc. and for newly born or sickly livestock. Control systems and safety are also described.

Price £2.50 - When ordering quote FEC 2101

Greenhouse Energy Efficiency

An FEC guide covering the fundamentals of eliminating energy waste in greenhouse horticultural crop production. Areas covered include heating, lighting and energy saving measures such as thermal screens and combined heat and power.

Price £4.50 - When ordering quote FEC2113

Technical Notes

£1.50 each. Quote the TN number when ordering.

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