

Dr Alan P. Legge
External Consultant

Tel: +44 (0) 20 7242 8444
E-mail: cwa@cwa.uk.com
Website: <http://www.cwa.uk.com/>

Qualifications	Chartered Biologist B.Sc. with First Class Honours Ph.D. University of Bath (External Student)
Affiliations	Member of the Institute of Biology Member of the Institute of Horticulture Member of the Intl. Society for Horticultural Science
Voluntary Service	Judge, National Soft Fruit & Cherry Show (1986 – 2004) Member of the Governors Horticultural Consultative Committee of Haddow College of Agriculture and Horticulture (1989-1997) Member of the Technical Committee, the Fresh Produce Consortium (1989 – 2002) Member of the Agricultural Training Committee for Kent (1975-1986) Director, COLEACP (1996 – 2003) Visiting Fellow, Cranfield University since November 2000 Food Group, Ethical Trade Initiative, Member (2001-2003)
Awards	Blackmore & Langdon Prize for Best Student in Horticulture (1970)
Languages	French and Spanish; competent for Fieldwork
Date of Birth	27 July, 1944
Nationality	British

Current Position at CWA

External Consultant. Harvest and post harvest systems of horticultural crops, extensive experience of all aspects of fruit horticulture, storage, handling and transportation.

Specific Expertise and Experience

In the area of harvest and post harvest systems of horticultural crops to ensure best possible quality delivered via a dedicated and thoughtfully considered supply chain to the desired market whilst ensuring compliance with 'Due Diligence'. To ensure that such systems are in line with 'Best Practice' and meet the requirements of the leading European retailers whilst being fully compatible in ethical trading terms with the social and economic circumstances and aims of the originating company, region or country.

Summary of Previous Employment

2003-present

Self-employed Consultant

Work undertaken on:

- Developing the potential of the Mozambique horticultural industry
- Modified atmosphere packaging for fresh produce
- Transit/packaging/handling problems – bananas, lychees, grapes and stone fruit
- Consultancy work for the World Bank – Egypt and Jordan
- Advisory work with African exporters, DFID Food Safety Programme – small scale growers, Zimbabwe and Zambia.
- Work for COLEACP
- Mentor work, on behalf of NESTA, with the Sea Water Greenhouse Project.
- Transit temperature maintenance, with Messrs. Colebrand.
- Lecturing in Australia and New Zealand on supply chain issues, EU markets and legislation.

1987-2002 **Mack Multiples**
Technical Director

Mack Multiples is the major part of M & W Mack, the largest U.K. owned importer/Distributor of fresh produce in the U.K. Turnover in 2001-2002 was over £270 million. For quality assurance, and to ensure product safety, built up a team of 18 graduate technologists leading some 60 product managers and quality controllers.

Duties / Responsibilities

- The improvement of product at source and maintaining that high quality throughout the supply chain to the customer.
- Creating complete post-harvest systems, covering harvesting, quality assurance, packaging and handling systems, with fruit, salad and vegetable crops to maintain quality and condition.
- A system of comprehensible specifications was written covering all Mack Products.
- Ensured that Mack Multiples met all the requirements of legislation, especially the “Due Diligence” requirements of the Food Safety Act (1990). HACCPs set up for all products from all sources.
- Established on a professional footing the Quality Assurance Department, and has overseen its evolution into self contained groups focussing on individual products or product groups.
- Set up an ISO 9000:2000 style Quality Assurance Programme that met the requirements of all of the leading UK Multiples. Has created Environmental and Social/Ethical audits ahead of the customers and legal requirements for them.
- Established strong technical links overseas with Mack suppliers, including setting up QA schemes to permit direct delivery from Spanish/ French/ Italian pack houses to UK supermarket Regional Distribution Centres.
- Has identified and developed suppliers overseas to provide supermarket quality produce from diverse countries such as Greece, Turkey, Spain, Egypt, India, Argentina, Uruguay, Brazil, Dominican Republic, Ivory Coast etc.
- Developed a sound technical relationship between Mack and the relevant staff of the leading UK Multiples and represented Mack in a number of areas, such as Ethical Trading Initiative, COLEACP, Fresh Produce Consortium etc. (APL was been asked to continue to represent Mack at the E.T.I. and the COLEACP in 2003)
- Is fully proficient in the relevant cultural components, harvest and post-harvest systems for the following – bananas, pineapples, papaya, citrus, grape, lychee, strawberries, stone fruit, melons, beans, tomatoes, courgettes, cucumber, lettuce, peppers, aubergine, apples, pears, avocado and many other crops.
- During his time with Mack, sales to supermarkets quintupled, taking Mack to the position of the largest U.K. owned produce marketing organisation. In 1998 he developed a strong organic banana programme for the leading UK Multiples from the Dominican Republic. Packaging has been a key area - for example, between 1995 and 1997 he developed and introduced the 60 x 40 display box for bananas, now being used internationally. In 2000, after 3 years of collaborative work, he

introduced the first M.A.P. retail bag for bananas, extending the retail sales life of ripe bananas from 2 days out to 4 days

- Lectures and seminars are regularly given to a wide range of audiences. In 2001 he introduced Fairtrade bananas to Sainsburys.

1984-1987 **J Sainsbury Plc**, UK Supermarket
Technical Manager, Salads & Fruit

Duties/ Responsibilities

- Provided technical support for JS Produce Buying Department and controlled the work of 12 technical staff.
- Was responsible for drafting all relevant produce specifications.
- Ensured that all suppliers met the technical and hygiene requirements of JS and worked to an agreed technical and packaging development plan
- Advised on all aspects of salads and fruit and deputised for the Senior manager when required.
- Has made many visits overseas to Suppliers to carry out audits and to encourage the improvement of quality at source, both in the product and handling systems/logistics.
- Reviewed developments in science and technology, raw materials, varieties and equipment, including visiting scientific establishments in various countries and advising possible application for produce technologists and buyers.

1982-1984 **East Malling Research Station**
Deputy Head, Field Experiments Department

Duties / Responsibilities

- Controlled all husbandry activities of the plantation crops.
- Organised and monitored crop production programmes, herbicide programmes, tree mulching and fertiliser programmes. Conducted field experiments on soil sterilisation, herbicides, application machinery, growth regulators, foliar feeds and the use of polyacrylamides as soil adjuvants to reduce irrigation needs. Reorganised the structure of the harvest management and combined the research and commercial grading of fruit.
- Introduced and developed computer compatible instructions and records to establish the basis for up to date information on the complex use of agrochemicals at EMRS for the first time. This was not only an improved management tool, but a data bank facility for scientific staff.

1974-1982 **H Mount & Sons**
General Manager, Fruit Farming & Storage

Duties / Responsibilities

- General Manager of commercial tree fruit farm. Responsible for all aspects of organisation and financial planning of the largest single block of tree fruit in the UK (400ha). Crops included apples, pears, plums, cherries, soft fruit and amenity trees.
- Supervised all cultivation and pruning operations. During the period farm staffing was rationalised from 118 to 54 whilst at the same time crop tonnage and quality was increased. Harvest staff numbered 320 at their peak weeks. Responsible for storage facilities as a profit centre including 5,000 tonnes of Controlled Atmosphere Stores and 3,000 tonnes Cold Stores, plus 1,000 tonnes of dry storage.
- Also responsible for the company's financial control and established and maintained a five year rolling development programme, liaising closely with the Company Accountants.

1975 **University of Bath**

Awarded PhD in 1975 for a thesis entitled "Artificial Supplementary Pollination of European Fruit Crops" This research covered both bee-aided and spray pollination.

1970-1974 **Ministry of Agriculture** (on secondment to Long Ashton)
Grade III, Advisory Officer

Duties / Responsibilities

- Horticultural Advisory Officer (ADAS), ministry of Agriculture, Fisheries and Food.
- Advised tree fruit farmers on all aspects of cultivation. Responsible for pollination advice given to fruit farmers. Seconded to Long Ashton Research Station to work on problems of fruit set in UK.

1961-1966 **Long Ashton Research Station**
Scientific Assistant

Duties / Responsibilities

- Worked on the development of orchard sprayer and spray programmes to combat red spider mite on fruit trees.
- Monitored orchard fauna under different spray regimes and developed simple bioassay techniques to quantify spray deposits on apple leaves.

Countries/Territories in which Dr. Legge has made working visits:

Argentina	Australia	Barbados	Belgium	Brazil
Cameroon	Canada	Canary Isles	Chile	China
Channel Isles	Colombia	Costa Rica	Cyprus	Denmark
Dominican Rep	Ecuador	Egypt	France	Germany
Greece	Ghana	Guadeloupe	Holland	India Israel
	Italy	Ivory Coast	Jordan	Kenya
Malaysia	Madagascar	Martinique	Mexico	Morocco
Mozambique	New Zealand	Panama	Portugal	St. Lucia
Senegal	Spain	Switzerland	Turkey	Uganda
Trinidad	Uruguay	USA	Venezuela	Yemen Zambia
	Zimbabwe			

Recent Courses Undertaken

1999 Environmental Auditing for Quality Auditors: 2 days at CCFRA
 2000 Pesticides Revision Course 2 days: Tutor: David Godsmark
 2001 ISO9000:2000 Q.M.S. Revision Course: Tutor: Peter Lavis Food Industry
 Training, Reading
 2001 HACCP for Fresh Produce: An Overview 1 day by CCFRA
 2001 Ethical Auditing – 3 day Intertek Course at Loughborough University

