

**Position:**

Principal Consultant

**Qualifications:**

B Ag Sc (Hons) University of Tasmania

PhD (Ag Science) Horticultural Research Group University of Tasmania

**Professional Associations:**

Certified Practicing Agriculturalist (CPAg)

Company Directors Graduate Diploma 2007

Member of the International Society of Horticultural Science

**Contact Details:**

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E: [lpeterson@macfrank.com.au](mailto:lpeterson@macfrank.com.au)[www.macquariefranklin.com.au](http://www.macquariefranklin.com.au)Tech 4, Unit 2 Technopark  
Innovation Drive  
Dowsing Point TAS 7010**INTRODUCTION**

Dr Lee Peterson is an agricultural professional with extensive expertise in many aspects of agricultural production gained over a period of 30 years in industry, consulting and research. Lee has considerable experience in the areas of new crop development, horticultural production systems, plant extracts and waste stream management in agricultural.

**PROFESSIONAL EXPERIENCE**

2011 – present: Principal Consultant Macquarie Franklin

2005-2011: Executive Director – Agribusiness  
Agricultural Resource Management (AGRM Pty Ltd)

2000- 2004: Agricultural Resource Management Group

1998- 1999: Serve-Ag Senior Project Agronomist

1996-1997: Private agricultural consultancy and contract research provider

1993- 1995: General Manager of Essential Oils of Tasmania

1989- 1993: Production Manager of Essential Oils of Tasmania

1985- 1989: Post-Graduate at the University of Tasmania

1984- 1985: Agricultural Officer with the Tasmanian Department of Agriculture, Pasture and Field Crops Branch

**PROJECTS****Recycled Water**

- Independent advisor and author to the “Environmental Guidelines for Recycled Water Use in Tasmania”.
- Project manager for the agricultural component of eight wastewater reuse developments including Tasmania’s two largest schemes, Brighton and Clarence.
- Development of annual soil monitoring programs for Brighton and Collinsvale reuse schemes.
- Review and updates of Irrigation management plans for a number of Tas Water regional reuse schemes
- Development of biosolids management and monitoring program for Tasmanian councils.
- Development and management advice for on-farm effluent reuse schemes for dairy farms.

**Areas of Expertise**

- New crop development including essential oil and other extractives production
- Waste water and effluent reuse
- Agricultural research and development
- Sustainable agricultural system design and implementation
- Environmental monitoring
- Plant physiology
- Land capability assessment
- Group training
- Agribusiness and financial management

**Macquarie Franklin Expertise**

- Economic studies
- Business and farm management
- Feasibility studies
- State and regional development
- Irrigation and water development
- Land capability and mapping
- Natural resource management
- Training and extension
- Technical agricultural consulting

- Development of whey waste management and monitoring program for National Foods.
- Previously a member of the Tasmanian Biosolids Working Group
- Review of Tassal Hatchery effluent management at Ranelagh
- Site assessment, property liaison and development of Irrigation and Ground Water Management Plans for effluent management of Tassal hatchery expansion at Ranelagh and waste processing plant at Triabunna
- Development of scheme model for total water balance and Duck Hole dam projections running scenarios pre and post commissioning to aid implementation.

**Interstate Reuse Developments**

- Agricultural advisor to United Utilities bid to develop effluent reuse for Ballarat North waste water treatment plant.
- Agricultural advisor to SKM for prefeasibility study for Aurora development Melbourne, a 100% reuse housing development.
- Recycled water feasibility study and Environmental Improvement Plan for clients in Werribee, Victoria.
- Site assessment, water balance operational model and cropping program development for Dutson Downs, Gippsland Water

**Other Projects**

- Commercialisation of fennel as an essential oil crop in Tasmania for production of anethole for the Pernod Ricard company
- Technical partner in the development of the world's largest Boronia plantation for production of essential oils
- Production manager for 2 regional essential oil distillation facilities undertaking a range of essential oil crops
- Expansion of commercial solvent extraction facilities batch processing to produce a range of plant extracts
- Technical advisor to Houston's Farm, one of Australia's largest pre-pack salad producers, roles include production system development, variety assessment, market research,

crop scheduling, pesticide strategies, IPM program and representation of the company in respect to technical issues such as biosecurity and IPM

- Review of the Australian Lavender industry for RIRDC
- Project manager for Rekuna Pty Ltd, a Panax ginseng production company supported by an AusIndustry Commercial Ready Grant
- Climatic and resource suitability assessment for salad vegetable production on Australia's east coast, including risk assessment
- Technical advisor to Raspberry Fresh, out of season glasshouse raspberry production company
- Study tour and technical review of latest developments in hydroponic production of salad vegetables, Canada, Belgium, Holland and Italy
- Project manager for field services operation establishment for Tasmanian Poppy Enterprises
- Technical advisor to South Pacific Oils, essential oil production and extraction company, Vanuatu
- Technical resource to Southern Water for the coordinate and manage Tasmania's largest agricultural recycled water irrigation scheme, the Clarence Recycled Water (CRW)
- Technical advisor to Heydon Park Olives, Talmalmo, Victoria
- Production system economic assessment and inputs for TIDB feasibility studies – Musselrow, Great Forester and South East irrigation scheme developments
- Land capability assessments for numerous properties to support agricultural development, subdivision of non-agricultural land and expert witness reporting for legal representation
- Review of Industrial Hemp as a commercial cropping opportunity in Tasmania
- Quinoa trial coordination for commercialisation of an emerging "super food" in Australia
- Review of pyrethrum industry strategic plan and industry development officer program
- Biosecurity - benchmarking study to assess vegetable industry awareness and preparedness