



# ***AgriForest Bio-Technologies Ltd.***

*Quality Plants through Tissue Culture Technology*

## **Biological Technologist (NOC 2221)**

**AgriForest Bio-Technologies Ltd. a Commercial Tissue Culture Facility located in Kelowna is seeking a reliable, hard-working individual for fulltime position of Biological Technologist.**

### **The Position Involves following Role and Responsibilities:**

As a Biological Technologist at AgriForest Bio-Technologies, you will be involved in both Laboratory and Greenhouse aspects of the operation and required to fulfil the following duties and responsibilities:

#### **Laboratory Responsibilities:**

##### **Implementation of Laboratory Procedures**

Currently, various laboratory procedures, mainly designed to maintain aseptic conditions and to control contamination, are instituted in the lab. You will be responsible for implementing these procedures to minimize the contamination during the production of cultures.

##### **Production of Culture Media:**

Working with the scientists, you will be preparing plant tissue culture media required for research and commercial production of plants

##### **Protocol Development**

Working with the scientists you will conduct experiments and keep data on the most effective growing conditions for the major groups of plants that AgriForest produces. This involves developing complete tissue culture protocol for each variety including inoculation procedure, appropriate nutrient media, multiplication frequency and procedure, and rooting procedure. You will write up the results of all experiments that you conduct so that this data is readily accessible and understandable and so that your work does not need to be repeated. These data will be part of annual research report writing for submitting to Revenue Canada by the scientists.

#### **Greenhouse Responsibilities:**

As a part of the tissue culture production protocol it requires that you also know the greenhouse acclimatization requirements of the tissue culture derived plants. You will be responsible for developing cost effective acclimatization protocol and know about the disease and pest issues affecting plants in the greenhouse and develop control measures.

##### **Preparation of Planting Mix**

You will know the details of all of the components to be used in the planting and transplanting mixes. You will be responsible for preparing the mixes for the greenhouse crew. You will teach one more responsible person how to prepare the mix who can prepare the appropriate mix in your absence.

##### **Planting and Transplanting**

You will ensure that all plants from the lab are properly planted, transplanted, labelled and well taken care of during their entire development.

### **Fertilization of Plants**

You will prepare a schedule of fertilization of planted and transplanted plants and follow it up. Keep records of the type, rate and timing of fertilisers used. Make sure that all fertilizer applicators are working properly on a routine basis.

### **Disease & Pest Management:**

You will be responsible for developing and implementing an effective **Integrated Pest Management (IPM)** protocols and control any disease or pests using appropriate cultural and chemical or biological control methods. You will be required to have a current pesticide applicators license approved for BC.

### **Data Collection and Record Keeping**

You will ensure that proper data collection and record keeping is conducted on a regular basis (e.g. for fertilisation, weed, disease and pest control etc.) In addition, you will conduct experiments and keep data on the most effective growing conditions for the major groups of plants that AgriForest produces.

### **Greenhouse Research**

You will work with laboratory research personnel and design and conduct greenhouse related research experiments designed to reduce mortality and improved qualities of the tissue culture derived plants. You will keep the records of the research work carried out and prepare annual research reports for submission for SRED. This is an important part of your job description and performance evaluation

### **KEY QUALIFICATIONS:**

The successful candidate must have:

Masters degree in Plant Sciences

Experience working in a greenhouse and/or tissue culture laboratory operation preferable

Ability to communicate effectively verbally and in writing

Willingness to learn from others and a team player

Highly organized and self-motivated in efficiently prioritizing the workload

We offer the ability to work with a great team, freedom to succeed and grow, a competitive salary and benefits (\$46000 + Benefits) – and in the scenic landscapes and welcoming community of Kelowna, B.C.

If this sounds like a fit, we'd like to hear from you. Please fax resume to (250) 764-2224, mail to 4290 Wallace Hill Road, Kelowna, V1W 4B6, or email to [info@agriforestbiotech.com](mailto:info@agriforestbiotech.com).