**SANIA BIBI**

**Agricultural Specialist**

Chak number 11/8R tehsil district khanewal, Punjab, Pakistan.

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Highly motivated and experienced Engineer. Working experience of managing large teams and projects, capable to gain knowledge and implement rapidly, excellent communication skills ranging from day to day dealings with community and coworkers.

**HIGHLIGHTS OF QUALIFICATION.**

* Several years of work experience in agriculture with different organizations.
* Comprehensive experience of vertical farming, green houses and hydroponicscrops growing commercially, having sufficient practices in the structure designing, operation of fertigation machines, growth medium, water, nutrients and environment management, maintenance and operations of RO plant. Satisfactory experience of detection of crops nutrients deficiencies, pests, mites and diseases of crops and their management and control practices.
* Expertise in implementing Global GAP safety and quality standards.
* Experience in landscaping including executing landscape designs, manual and automatic irrigation systems and applications, and maintenance of the designs.
* Management of Ornamental and fruit plant nurseries and open field crops for commercial production. It includes irrigation operations, pesticide application programs, plants maintenance, propagation and cultivation practices, soil preparations for nursery plants and open field crops and vegetables.
* Thorough knowledge and considerable practices in date palm commercial production. Skills acquired through this experience contain pollination operations and pests control programs of date palm, irrigation operations, pruning, cleaning and harvesting program.
* Individual with leadership capabilities, great team worker, outstanding communication and interpersonal skills with individuals of various backgrounds.
* Goal oriented approach with focus on maintaining professional standards and meets the deadlines consistently.
* Contracted with agriculture businessactivities in various companies like import and sales of agricultural materials and products, developing and maintaining a set of client contacts, attending conferences, farms and agricultural production companies’ visits, advertising and marketing services.
* Worked as agricultural consultant, experienced to provide technical, financial and commercial advice, and information of best land use.
* Excellent grip on using Excel, Word, powerpoint.

**EDUCATION.**

*The Government college university, Faisalabad, Pakistan*

**BS** (Hons.)-Botany Applied Agriculture 2016-2020

*Government girls higher secondary school, Makhdumpur, Pakistan*

FSC (Pre-Medical) Applied biology 2014-2016

**RESEARCH PRACTICES.**

2019-2020. BS (Hons) Field research at different ruler areas, Khanewal,

Pakistan.

Topic: Effects of Environment on plant species and

Measuring Plant biodiversity.

Methods

(*Canopy fogging, quadrat sampling, transect sampling and netting*)

February 2017 – August 2018 Research fellow at LAl SUHANRA national park, Bahawalpur

Collection of different plant species for Herbarium,

Government college university Faisalabad, Pakistan.

**RELATED COURSES.**

February 2011 National Institute of Design and Analysis, Peshawar, Pakistan

* Landscaping on 2d graphics
* Exterior design and 3d landscaping

**EMPLOYMENT RECORD.**

July 2021 – present **Agriculture Engineer** Agricultural Materials

* it contain green houses and hydroponics structures, equipments, growth media, plant nursery materials, irrigation systems and materials, fruit plants, fruits and vegetables, and equipments, machinery and supplies such as fertilizers, seed and pesticides.
* Management of green houses and hydroponics farms includes responsibilities such as,
* Hydroponics, vertical farmig indoor & outdoors, maintenance and operations on commercial production level for various crops patterns,
* Planning and management of various crops planting and harvesting schedules, operation of fertigation machines, managing irrigation schedules, humidity and temperature in the green houses,
* Management of fertilizers applications, macro and micro nutrients, nutrient deficiencies in plants, nutrition recipes for different crops at different stages and for specific part growth,
* Management of diseases, pests and mites control, management of pest control of all crops,
* Checking of, EC and pH of nutrients solutions and return nutrients , general plant health in all areas, workers activities like planting, irrigation, chemicals applications, harvesting, grading, payroll and recordkeeping, on daily basis,
* Implementing of Global GAP safety and quality standards at the farms, giving technical info to the bee keepers in farm for pollination purpose, manage the daily work requirements of the growing team, management and supervision of the technical staff and skilled/ unskilled labors and ensure to use sanitize tools and equipment, immediate removal of pruning and other debris, avoid work while plants are wet, remove infected plants immediate, transplantation program must meet sanitization standards.
* Agricultural consultancy include the responsibilities of providing technical, commercial and financial advice and information, such as structure type, crop rotation sequence depending on climate, good standard quality, market demand, info such as hydroponics crop recipes, soil preparations, pesticide applications, control of diseases, operations of fertigation machines.
* Training of workers on the safe use of pesticides and insecticides, and to keep safety and quality measures.
* Research both natural and man-made features exiting on the proposed sites to improve them and work them into plans,
* Prepare reports, cost estimates, photos, illustrations, land use studies and models, and create proposals for the clients after completion of site plans.
* To handle the propagation operations, pollination and thinning operations,
* irrigation operations, irrigation techniques and layouts, water condition and water requirements of the plants at different stages,
* Land preparations and management of fertilization requirements of the plants,
* Training of workers and pest control teams with technical and latest practices,
* Management and control of the diseases, pests, mites and physiological disorders.
* Managing pruning and debris removal operations,
* Managing harvesting and packing operations

December 2020 – June 2021

**Products and Development manager/Production manager**

**Star AG international private limited Multan, Punjab, Pakistan**

* Advanced research about newly launched products including fertilizers and multi nutrients.
* Formulating the recipe for fertilizer by specific nutrient concentration and quality standards.
* Estimate the cost and quantity for formulation of fertilizer.
* Sample testing and trials.
* Controlled PH level of the fertilizer.
* Bulk storing and packing standards.
* Packing layouts, packing material and design selection and record.

**LANGUAGES.**

* **English**
* **Hindi**
* **Urdu**
* **Punjabi**