
KRISHAN KUMAR JINDAL, Ph.D., A. Ag.

QUALIFICATION HIGHLIGHTS

- Ph. D. in Agricultural Sciences with major in Plant Pathology and minor in Plant Breeding from Punjab Agricultural University (PAU), India with over 27 years of academic and industry experience in the areas of R&D in crop protection, seed testing, agronomy and nutrient management; transfer of technology, technical support to cross functional teams, marketing of farm inputs and services, and supply chain management of different agro-commodities
- Excellence in strategic business planning, project management and market analysis with demonstrated ability to achieve targeted profits
- Strong proficiency to develop and deliver comprehensive portfolio of agronomic services, built strong relationships with the customers and sourcing of various agro-commodities at farm gate
- Distinction in formulating and executing backward and forward integration programs to manage supply chain of various agro-commodities within defined budget and time line
- Strong ability to analyse and tabulate research data and have published 64 peer reviewed research papers, and 25 project reports and technical bulletins and protocols for conducting research trials
- An effective communicator and team leader, travelled widely across globe with strong ability in time management, multi-tasking and interacting effectively with people of diverse origin

MAJOR SKILLS AND ACHIEVEMENTS

Research and Development

- Established R&D farm and laboratory facilities to conduct varietal performance, agronomy and crop protection trials and nursery production
- Fine-tuned agronomic best practices for the integrated insect pests and diseases and nutrient management for rice, wheat, soybean and tomatoes cultivation
- Developed protocol for organic farming of crops
- Managed many R&D projects to work out the biology and epidemiology of fungal and bacterial diseases of horticulture and forest plants and recommendations given for management of 8 important economic diseases to benefit growers
- Principal investigator of two research projects on management of bacterial blight of field peas and gummosis of almonds, funded by Ministry of Agriculture, Government of India
- Trained and managed a team of 40 cross functional professionals engaged in R&D and production program to source various agricultural and horticultural crops
- Implemented heat unit concept to stagger planting of tomatoes for regulated supply to the processing plant resulting in 18 % reduction of input and output ratio of tomato to tomato paste
- Increased the availability of tomatoes for processing from 52 days to 74 days with in-house developed low tunnel and poly umbrella technologies for cultivation

Agronomic Services and transfer of technology

- Developed and managed comprehensive portfolio of agronomic services to benefit growers while building long-term relationships for a sustainable sourcing program
- Provided technical leadership on agronomic matters by effectively communicating with researchers and agribusiness managers
- Conducted various programs for transfer of technology such as on farm demonstrations, advisory information sessions and literature on best practices to ensure sustainable production
- Counseled farmers on new methods of crop production, fertilizer/pesticide application, harvesting, processing, marketing, farm management and financing

- Addressed the insect pests, diseases and weed challenges encountered during cultivation of cereals, legumes and vegetables resulting in 10 % yield increase to benefit about 500 growers

Contract farming for supply chain management

- Established Contract Farming (CF) of tomatoes, rice, wheat, barley and soybean to source the targeted quantities within defined budget and timeline for trading and processing
- Trained and managed cross-functional teams of agronomist for seed and sapling production, agronomic services, crop monitoring, procurement, shipping and payment to the farmers
- Obtained seed to shelf traceability certification of basmati rice from international audit companies such as SGS and Deltoids.
- Arranged supply of various fruits and vegetables from the open market for processing.

Seed/Nursery Production

- Supervised production of 300 MT of certified seed of wheat and 400 MT of basmati rice with contract growers
- Planned and executed a vegetable seed production program on 50 acre farm as an independent profit center
- Prepared 10K vegetable seed kits for sale to farmers
- Standardized mechanized nursery production technology and produced 25 million tomato saplings per season on 25 acres for five years.

Merchandising of Grains

- Prepared and implemented business plans for merchandising of various food grains and oil seeds and achieved targeted profits
- Conducted crop and market intelligence surveys and worked out merchandising opportunities
- Lead domestic and international merchandising of various food grains
- Established domestic wheat and corn business in various parts of the country making Australian Wheat Board (AWB) the second largest company in marketing of these commodities in India
- Planned a five-year program to develop procurement, warehousing and marketing infrastructure at 15 locations across five provinces. One unit was operational with a warehousing capacity of 18K MT in the first year
- Provided support to farmers, market intermediaries, transporters, collateral warehousing management agencies, clearing and forwarding agents, banks and other stake holders for prudent management of logistics and supply chain of agro-commodities.

PROFESSIONAL DEVELOPMENT

International Trainings

- Business Finance Course, HLL International Training Centre, Mumbai, India, 1999
- Creativity Retreat, HLL International Training Centre, Mumbai, India 1998
- Management Course, HLL International Training Centre, Mumbai, India 1995
- Remote sensing fundamentals and their applications in agriculture and soil sciences, Ahmedabad, India, 1995
- Special Course on Plant Pathogenic Bacteria, International Mycological Institute, Kew Surrey, UK, 1990

International Travel to participate in Conferences

- 5th International Conference on Pl Pathogenic Bacteria, 1992, Versailles, France
- 6th International Symposium on the Microbiology of Aerial Pl Surfaces, 1995, Bandol, France

- 5th International Conferences on *Pseudomonas syringe* pathovars and related pathogens, 1995, Berlin, Germany

International travel to visit research Institutes and work out business opportunities

- International Horticulture Research, East Malling - Sept 23 – 30, 1990 – Discussed projects of mutual interest
- International Horticulture Research, Wellesbourne, U.K. - Oct 1- 8, 1990 – Discussed projects of mutual interest.
- University of Gottingen, Germany - June 1 – 7, 1992 – Delivered talk on “Status of bacterial diseases of Plants in India” and discussed various research programs of mutual interest.
- AWB Melbourne – Dec 1 to 15, 2008 – To study the AWB business – grain storage, rural services, fertilizer, seed supply and quality testing which can be replicated in India.

STRENGTHS

- Have excellent knowledge of Crop Production, Nutrient and Water Management, Plant Breeding and Plant Protection
- Extensive operational exposures for supply chain management farm gate and market sourcing
- Have passion of managing and leading innovative research program to develop technology
- Worked across India on wide range of agricultural and horticultural crops
- Widely traveled across globe and have good net work with Government departments and agriculture industry
- Well versed with world class technology for tomato production and processing, sourcing and marketing of agricultural products
- Sound understanding of ground realities of agriculture as worked with the farmers across globe
- Strong ability to write project proposals and feasibility reports, and compile R&D reports

EMPLOYMENT HISTORY

Head Scientific Affairs, Savannah Seeds Pvt. Ltd	07/11-07/12
Head Contract Farming/ Head Grains, Australian Wheat Board India Pvt. Ltd	05/06-06/11
Plant Pathologist/ Technical Advisor, Hindustan Unilever Ltd	05/96-05/06
District Extension Specialist, PAU, Ludhiana	09/95-05/96
Assistant Professor of Pl. Pathology, Univ. of Horticulture & Forestry, Solan, India	09/85-09/95

EDUCATION

Ph.D. Plant Pathology, PAU, Ludhiana	1985
M.Sc. Plant Pathology, PAU, Ludhiana	1980
B.Sc. Agriculture with honors in Plant Protection, PAU, Ludhiana	1978