

Jain Irrigation in Agriculture



Founder's Conviction As a son-of-the-soil and first generation entrepreneur, Bhavarlal Jain has hands-on farming experience. He genuinely believes that agriculture is the backbone of the Indian economy. He feels that the transformation of India into an industrial society, will take many decades. In the meantime, for sustainability, self-reliance and all round growth, the country has no alternative but to adopt science and technology for progress in agriculture. Advances in other sectors, however phenomenal, cannot substitute agricultural development. This is the conviction with which the founder commenced his journey in 1963.



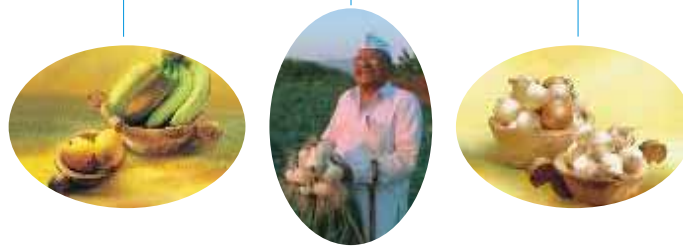
Working for Agriculture Since 1963

Completing the Agricultural Value Chain

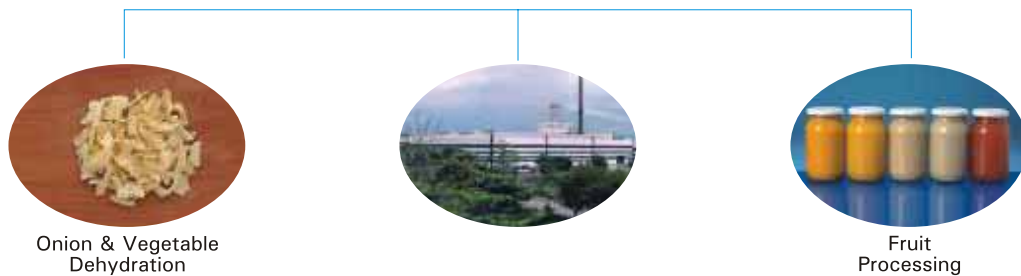
We help farmers to produce more and better



We purchase fruits & vegetables from farmers



Finally, we process these for Export and Domestic Markets



Activity Profile We traded, for over a decade and half, in agricultural inputs. We now manufacture and provide a range of quality agri-inputs to enhance farm productivity. These include water conveying piping systems, on-farm distribution irrigation systems and superior bio-tech products.

We render a host of hi-tech agri-services from land preparation to post-harvesting, & R&D, demonstration, training and extension. We take on tasks from Conception to Commissioning on turnkey basis. After Completion, we can operate and manage the project. Specialized assistance, as required, can also be provided on request.

We cultivate over 2000 acres of land and sponsor contract farming for fruits and vegetables which we in turn, use as raw material for processing and value addition.

We undertake infrastructural development in agriculture and provide total solutions for water, soil and crop management, and insight into farm cultivation and operations.

We have the largest pool of Agricultural Scientists, Technicians and Engineers in the Private Sector. Our Management is Professional and our Professionals are Committed. Our core strength is our Global Experience with local Knowledge and feel.

Farm Cultivation We own over 2000 acres; and have also sponsored contract farming on over 3000 acres of land. Our farms are mainly used for onion seed production, as a mother nursery for T/C banana plant production as well as for cultivation of a variety of field crops, agro-forestry trees and horticultural plantations. We provide the contract farmers technical as well as other inputs.

We purchase their harvest at a minimum guaranteed price or at market price, whichever is higher for our Onion Dehydration & Fruit Processing plants.

The farming activity helps us actually face and realise the real life challenges a farmer experiences on a day-to-day basis. Such exposure makes us aware of the farmer's problems dictated by uncontrollable variables such as rain, climate and the market. We get a first hand feel of his dreams and aspirations.

Research & Development These farms are also being continually used for conducting various trials, tests, experiments relating to cropping pattern & rotations, ratooning, water requirements, irrigation methods, fertigation dosages, organic farm practices, harvesting and post-harvesting methodologies as well as high technology and bio-technology applications for achieving higher yields and improved quality.

Most of the basic R&D work, however, is carried out on our own or on leased farms at different locations. We have modern laboratories to support this field research through scientific analysis and verification of results of trials & experiments.

These include: (a) General Analytical Laboratory, (b) Virology Laboratory and (c) Biotech Laboratory. These are in addition to our Central Laboratory where the most sophisticated the state-of-the-art equipment is available for physical, chemical, microbiological, and sensory analysis.

We maintain a fairly large-size, broad-based library.



Demonstration & Display R&D farms also serve as demonstration farms for the farmers as well as for related agricultural officers, research scientists and students.

The farms showcase optimum use and performance of hi-tech agricultural inputs and technologies covering different aspects of farm cultivation and farm resources.

Use of modern irrigation methods on varying soil conditions, topographies, different techniques of soil & rainwater conservation, watershed planning, wasteland transformation etc are seen and experienced as 'live models'. Once uncultivable, barren, hilly, sloping lands, having no water source whatsoever, are now transformed into lush green horticultural farms with the help of inhouse R&D and self-created water resource.

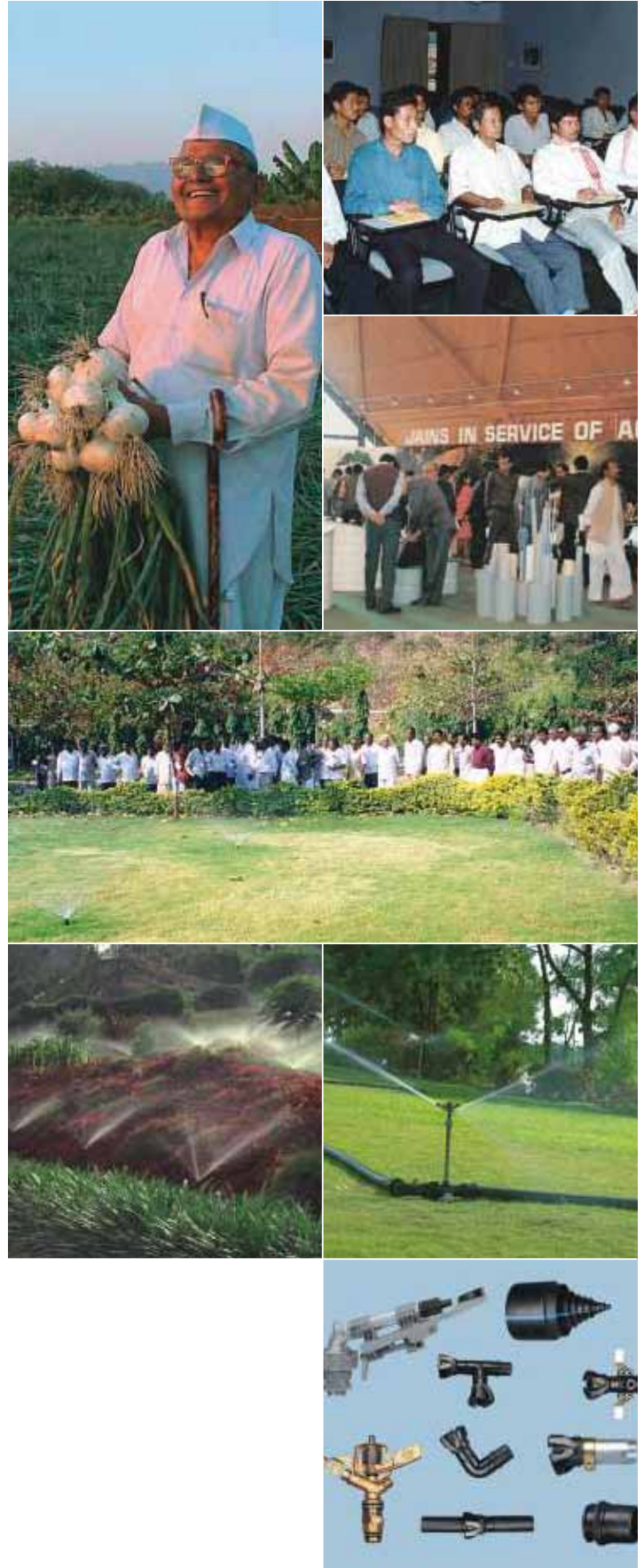
As a commercial organisation, we have an abiding interest in spreading the message of our endeavours and our learnings to as many people as is possible through training and extension.

Training & Extension We offer training and extension services at our Hi-tech Agri Institute established since 1995 at Jain Hills, Jalgaon. This institute imparts training, arranges field visits for government agricultural officers, agricultural students, research scientists and farmers from all over India from other countries. We also train our own technical staff, and marketing and distribution network.

The institute has residential accommodation for about 100 participants. It also has three air-conditioned well-equipped halls with seating capacities of 25, 75 and 250 persons for training/conferences/seminars/workshops. Agri events such as Exhibitions/Trade Fairs, Symposia and Farmer Melas are organised as part of extension services.

The profile and number of visitors is as under

Category	2002	2003	2004
Farmers	9629	9042	5744
Govt. Administrators and Political Leaders	533	991	1123
Dealers	72	80	782
Staff	560	5379	3497
Students	2198	1597	4839
Special Business Invitees	1180	3746	1233
General Public	3442	11288	12462
Foreigners	99	186	131
Total	17713	32309	29811



Hi-Tech Agri Products Plastic Piping Systems:

PVC, HDPE Pipes, Fittings, Accessories and Valves: Well Casing & Screen Pipes.

Drip Irrigation Systems: Poly Tubes, Drip lines, Drip Tapes, Drippers, Spray Heads & Jets, Poly Fittings, Filtration & Fertigation Equipments and Accessories.

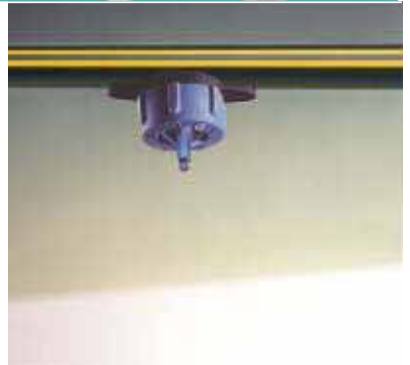
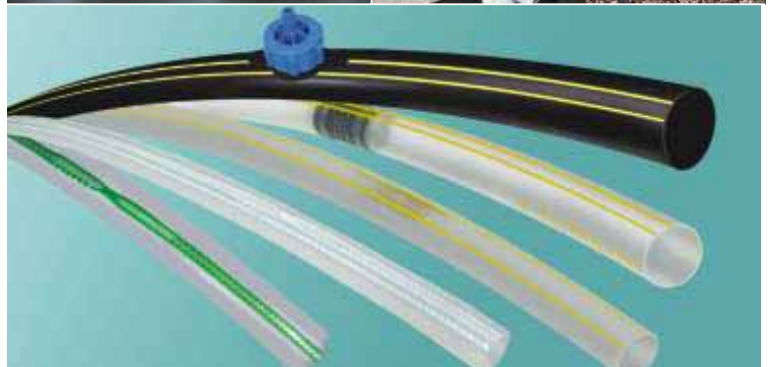
Sprinkler Irrigation Systems: HDPE Pipes, Fittings, Risers, Nozzles and Spray-heads.

Controlled Farming: Green Houses, Shade Houses and Tunnels.

Bio-Technology Inputs: TC plants, Hybrid Seeds, High-yielding Nursery Grafts and Superior Planting Materials.

Bio-Organic Mediums: Organic Manure, Vermicompost, Bacterial Cultures and Bio-Pesticides.

Bio-Fuel & Appliances: Bio Gas Plants, Appliances and Products including Efficient, Low-cost Cookers Run on Agri-Waste.



Hi-Tech Agri Services Documentation & Reporting:

We prepare feasibility reports including a calendar for agricultural operations round the year and finally a detailed bankable report (DPR).

Wasteland Reclamation: We survey & determine land type, topography and soil quality and its fertility; recommend & design structures & measures for soil conservation and improvement through its treatment and amendments; recommend and select appropriate agro-forestry and/or agricultural crops and horticultural or medicinal plants.

Watershed Development: We prospect, divine and determine ground and surface water availability and its quality; recommend & design rainwater harvesting, storages, reservoirs, drainage system and structures; recommend appropriate water recovery structures and artificial recharging arrangements.

Water Conservation & Water Use Efficiency: We recommend and design appropriate modern micro-irrigation system considering soil, crop and climate relationship and water requirements; prepare irrigation schedules keeping in view power quality, availability as well as lean, peak and average water requirements.

Training & Management Support: We design and implement comprehensive class-room as well as on-farm training courses for farm operating and managerial personnel.

R&D, Demo and Agronomic Support: arrange on-farm visits for exposure to various research experiments and trials being conducted on the corporate, contract and/or leased farms; provide agronomic and commercial support for agricultural operations from land preparation through sowing, harvesting, storage to marketing.

Specialised Services: We render advice on specific crop cultivation and/or organic farming; assist in formation of WUAs, SHGs, CIGs.



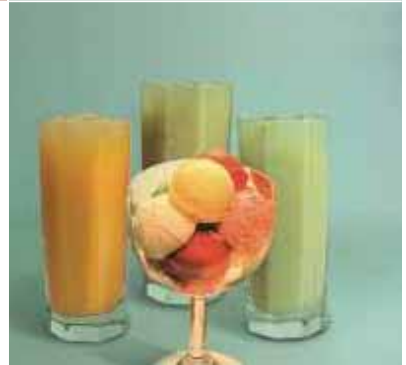
Agri Produce Processing We have a state-of-the-art, world scale, integrated dehydration facility. We also have the most modern, cutting-edge export oriented fruit processing plant.

Selected varieties of onion, vegetables, banana, mango, guava, aonla and papaya are grown on contract basis or purchased from the open market. These are then processed for export and for domestic consumption.

'Farm-Fresh' is a registered Trade Mark in Europe & USA and stands for GMP, QMS, QA, SPC, Food Safety, Stringent Sanitation and Hygiene and similar modern practices. ISO-9001-2000 & HACCP accreditation by RWTUV, Germany, have been achieved.

The local dry climate, manual harvesting and well irrigation also help improve productivity and product quality.

Salient features of our 'Farm-Fresh' products: No preservatives are added, Long shelf-life, Approved by Kosher & Pareve audits and Meet ADOGA & other international standards.



A view of our various plants & operations spread over parts of India and the U.S.



Sum & Substance There is more to Jain Irrigation than irrigation.

We have an enviable track record for developing down-to-earth solutions for complex challenges in the field of Agriculture. We use the best of cost-effective technology, combined with the innate common sense Indians are known for.

There would be very few organizations in the field of Agriculture who have developed such a deep understanding and respect for the relationship between

Land, Water, Soil, Crop and, above all the Environment. Agriculture is not merely our Profession, it is an Article of Faith.

Jain Irrigation is probably the only Company in the country which is not only a Pioneer Manufacturer of Hi-Tech

Agricultural Inputs, a Total Agri-Service Provider, R&D, Demo, Training and Extension Institute, a Large Farm Cultivator, a Contracting Colossus and an Agricultural Consultancy Organization. It is All-This-in-One. It is through such a multi-dimensional activity profile, that Jain Irrigation nurtures the complete agri value chain and has become a "one-stop hi-tech-agri shop".



Small Ideas. Big Revolutions.®



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