

The best bottomline is a farmer's smile.





Founder's Conviction

The Founder inherited farming instincts. Moreover, as a first generation entrepreneur, he has had hands-on farming experience.

A strong desire and determination to establish cutting edge technology in the country for the benefit of the land and our people propelled him on the path to growth with these convictions.

- In India, 70% of over 1 billion population is associated with agriculture. Agriculture symbolises their culture and is the backbone of the Indian economy.
- Transformation of our agrarian society into an industrial society will take centuries.
- In the meantime, there is no escape from urgently taking the help of Science & Technology, on priority, for agriculture, agri-business and agri-industry.
 - Such an approach alone can ensure long-term stability, sustainable well-being, all round growth and self-reliance.
 - No other sector's progress, howsoever phenomenal, can substitute the development of agriculture.



Corporate Philosophy

Mission

Leave this world better than you found it.

Vision

Establish leadership in whatever we do at home and abroad.

Credo

Serve and strive through strain and stress;
Do our noblest, that's success.

Goal

Achieve continued growth through sustained innovation for total customer satisfaction and fair return to all other stakeholders. Meet this objective by producing quality products at optimum cost and marketing them at reasonable prices.

Guiding Principle

Toil and sweat to manage our resources of men, material and money in an integrated, efficient and economic manner. Earn profit, keeping in view commitment to social responsibility and environmental concerns.

Quality Perspective

Make quality a way of life.

Work Culture

Experience : 'Work is life, life is work.'



Marrying tradition with technology - farmers from Rajasthan who visited Jain Hills to understand the techniques of drip irrigation, with Bhavarlal H. Jain, Founder Chairman, Ajit Jain, Joint M.D. and Atul Jain, Director (Marketing)



Sugarcane under Subsurface Drip System

Name of Farmer	Mathivannan
Address	Thamarakki, Dist. Sivagangai, Tamilnadu
Crop	Sugarcane
Variety	Co 86032
Soil	Red alfisol (garden land)
Drip	JTA 16 4 60 class 2
Installation	Subsurface drip system
Total Area (acre)	3.5
Date of sowing	5.01.2009
Drip installation date	4.01.2009
Lateral spacing (feet)	6 (1 lateral for each dual row of cane)
Planting distance (feet)	6 (cane planted in dual row)
Cost of Drip system (Rs/acre)	35,000
Drip cost per year per acre (7year life)	5000
Cost of cultivation (Rs/acre)	52,400
Total Cost (Crop+drip cost of 1year)	57,400/acre
Yield (Tonne/acre)	74
Price of Sugarcane (Rs/Tonne)	2000
Gross Return (Rs/acre)	148,000
Net income (Rs/acre)	90,600
Benefit to cost ratio	1:1.6
Yield in flood irrigated in the same field previous year (Tonne/acre)	38
Incremental yield in Drip (Tonne/acre)	36
incremental income in drip (Rs/acre)	72,000

Subsurface drip is a necessity because of mechanical harvesting in Sivagangai to overcome the difficulty of labour shortage. It helped Mathivannan to get 74 t/ac cane yield in place of a mere 38 t/ac which he used to get under conventional flood irrigation.

He has earned 72,000 INR /acre just by changing the irrigation and fertilizer technology.



Farmers- our partners in progress

Watermelon under Jain Drip Irrigation

Name of Farmer	Elumalai
Address	Jemin Periamakkam, Dist. Kancheepuram, Tamilnadu
Crop	Water Melon
Variety of Water melon	Michellal (orange/yellow colour flesh)
Soil	Grey white loam
Drip	JTA 12 4 60 class 2
Total Area	2.5 acre
Date of sowing	6.02.2009
Drip installation date	6.02.2009
Lateral spacing (feet)	5 (one lateral per row)
Planting distance (feet)	5 x 2 (Row x Plant)
Cost of Drip system (Rs/2.5 acre)	88,000
Drip cost per year per acre (7year life)	5029
Cost of cultivation (Rs/2.5 acre)	75,000
Cost per acre (Rs/acre)	30,000
Total cost (Crop + drip cost of 1year)	35029/acre
Yield (Tonne/acre in 75 days)	17.6
Price of Watermelon (Rs/Tonne)	8000
Gross income in 75 days (Rs/acre)	1,40,800
Net income (Rs/acre)	1,05,771
Benefit to Cost ratio	1:3.0
Yield in flood irrigated neighbouring plot (Tonne/acre)	10
Incremental yield in Drip (Tonne/acre)	7.6 t/acre
Incremental income in drip (Tonne/acre)	60,800.00/acre

Elumalai is a water melon farmer who caters to the demand of the Chennai urban market for this fruit. His yields were never more than 10 t/ac before drip was adopted.

With drip-fertigation and technical support from Jain Irrigation, he is very happy to achieve a record yield of a very expensive variety of melon (Seed cost 10,000 INR per kg).

This variety, Michelle, is rare and has yellow flesh. He is very happy that the net income of 1,05,771 INR was obtained in a period of 2 months .



Onion under Jain Drip Irrigation System

Name of Farmer	Dagaji Keshav Patil
Address	Vill.Panchak, Tal.-Chopda Jalgaon, Maharashtra
Crop	Onion
Variety	JV 12
Soil	Medium Black Soil
Drip Details	JTA 16mm, 60cm, 4 lph
Total area (acre)	2
Crop spacing (feet)	12 x 10 (Row x Plant)
Lateral distance (feet)	4.5
Cost of drip system(Rs/acre)	25,000
Cost per year considering 7 years drip life (Rs/acre)	3571
Cost of cultivation(Rs/acre)	15,000
Total cost of cultivation including drip (Rs/acre)	18,571
Yield (Tonne/acre)	20
Yield under flood (Tonne/acre)	12
Price of Onion (Rs/Tonne)	3,000
Gross return in drip (Rs/acre)	60,000
Gross return under flood (Rs/acre)	36,000
Net income under drip (Rs/acre)	41,429
Incremental income under drip (Rs/acre)	24,000
Benefit to cost ratio	1:3

Drip fertigation on onion is a well established production technology giving very high bulb yields. Dagaji Keshav Patil of Panchak village is one such happy farmer earning Rs. 41,429 per acre in 4 months. For every rupee invested he gets 3 rupees under contact farming with Jain Irrigation.



Oil plam under Jain Micro Sprinkler

Name of Farmer	Sankara Nattar
Address	Village : Kaduvannur Villupuram, Tamilnadu
Crop	Oil Palm (Sole crop)
Soil	Loamy soil
Spray jet system	16mm Polytube; 2 spray jets/tree, 55 lph each
Total area (acre)	3.5
Date of planting	2.02.2008
Lateral spacing (feet)	25
Planting distance (feet)	25 x 20 (triangular) 54 trees/acre
Cost of Jet system (Rs/3.5 acre)	57,500
Cost per year per acre (10 year life)	1643
Cost of cultivation till 5th year (Rs/acre)	19,000
Total cost (incl. Jet system cost) (Rs/acre)	25572
Govt Subsidy for Jet system (Rs/acre)	3143
Govt Subsidy for cultivation till 5th year (Rs/acre)	9070
Farmer's share in all cost (Rs/acre)	13359
Yield - under drip (Tonne/acre)	
First time after 2.5 year age	4
In 5 year old plantation	12
yield under flood at 5 year (Tonne/acre)	8
Price of Produce (Rs/Tonne)	4362
Gross income in 2.5 year (Rs/acre)	17448
Gross income at peak yield (Rs/acre) (5th year onwards)	52344

Gross income under flood irrigation (5th year)	34896.00/acre
incremental income under Jet irrigation (5th year)	17,448.00/acre
Net income on 5th year	38985.3/ac
Benefit to Cost ratio for the Fifth year	1:2.9

Jet irrigation has revolutionised oil palm cultivation; in terms of water (65% saving) and yield (50% increase)

In addition to this, farmers report that with jet irrigation the palm trees come to maturity early; ready for harvest six months earlier than when the field was under flood irrigation



Curry Leaf under Jain Drip Irrigation

Name of Farmer	Anandan
Address	Village Pakkampadi, Kallakurichi Villupuram, Tamilnadu
Crop	Curry Leaf
Variety	local
Soil	Red garden soil
Drip	JTA 16 4 60 class 2
Total Area (acre)	2.5
Date of sowing	6.04.2008
Drip installation date	4.05.2009
Lateral spacing (feet)	5 (one lateral for two crop row)
Planting distance (feet)	2.5 x 2.5 (Row x Plant)
Cost of Drip system (Rs/2.5 acre)	86,000
Cost per year per acre (7 year life)	4914.3/acre
Cost of cultivation Curry leaf (first year cost) (Rs/2.5 acre)	20,000
Cost per acre	8000
Cost of cultivation (2nd year) per acre	4000
Total costs till 2nd year (crop in 1st year +2nd year+drip cost of 1year)	16915
Yield in 2nd year (Tonne/acre)	3.2 (by 4 harvests)
Price of Curry leaf (Rs/Tonne)	15000
Gross income from Curry leaf in 2nd year (Rs/acre)	48,000
Net income 2nd year (Rs/acre)	31086
Benefit to Cost ratio	1:1.8

Subsidy on drip system (Rs/acre)	16000
Actual drip cost paid by farmer (Rs/acre)	18400
Yearly cost of drip paid by farmer (7 year life) (Rs/acre)	2629
Total cost till 2nd year (crop in 1st year +2nd year+drip cost of 1year)(Rs/acre)	14629
Net income 2nd year (Rs/acre)	33371
Benefit to Cost ratio (after subsidy)	1:2.3

Anandan reports that without drip technology he would not have gone for curry leaf cultivation as the lack of water in his farm would not allow him to go for an year round crop.

Drip has helped him to grow a crop and also provided him with a very high cash income.



Farmers- our partners in progress

Paddy (Rice) under Jain Drip Irrigation

Name of Farmer	Shekhar Bhadsavale
Location	Saguna Baug, Neral, Karjat, Dist.Raigad,Maharashtra
Crop & Variety	Paddy, Pusa Sugandha A derivative of Basamati
Season	Rabi - Summer
Method of Planting	Raised Bed with Plastic Mulch
Bed size (cm)	135 (Width)
Spacing (cm)	20 X 15 (Row x Plant)
Date of sowing	10.12.2009
Method of Planting	Trial plot - Dibbling Control - Transplanting
Irrigation	Trial-Drip, Control-Flood
Drip Details	JTA 16mm, 4lph,50 cm Two inline lateral per Bed
Fertilizers	Through drip
Water utilized (Lit/acre)	Control-6675900 Drip irrigated-2998124
Water savings in drip	55 %
Yield (Quintal/acre)	Drip irrigated - 32 Control - 19
Yield increased	76 %

It has been proved that it is possible to grow even water hungry crops like paddy under drip irrigation. There is a great deal of water saving, reduced maturity time, uniform growth and better yield.



Redgram under Jain Drip Irrigation System

Name of Farmer	Omkar Toshniwal
Address	Risod, Washim, Maharashtra
Crop	Redgram (Tur)
Variety	BSMR – 736
Soil	Medium black soil
Drip Details	JTL 16 mm, 60cm 4 lph
Total Area (acre)	7
Date of sowing	28.06.2008
Lateral spacing (feet)	8
Planting distance (feet)	8 x 1 (Row x Plant)
Inter crop	Green Gram
Cost of cultivation (Rs/acre)	7920
Drip cost (considering for 5 yrs) (Rs/acre)	2400
Cost of cultivation with drip (Rs/acre)	10320
Total cost of cultivation - Tur+Green Gram (Rs/acre)	11820
Total Inter crop cultivation cost (Rs)	1500
Total Yield (Quintal /acre)	16
Inter crop yield (Quintal/acre)	2
Fodder (Quintal/acre)	3
Tur Crop value (Rs 4600/q) (Rs/acre)	73600
Fodder - 3 q/acre (Rs/acre)	1800
Total Tur Crop return (Rs/acre)	75400
Inter crop - Rs 3100/quintal (Rs/acre)	6200
Total return (Tur+ G. gram) (Rs/acre)	81600
Net Profit (Rs/acre)	69780
Benefit to cost ratio	1: 5.9

With greater row x row sowing distance under drip irrigation, inter cultivation is easy. Incidence of weed is reduced and harvest time has been reduced.



Cotton under Jain Drip Irrigation System

Farmers Name	Sudhakar Barsu Patil
Address	Shelapur, Dist. Buldhana, Maharashtra
Crop	Cotton
Variety	Mallika
Area under cotton drip	5.5 acre (2008-09)
Soil Type	Medium
Spacing (feet)	4 x 2 (Row x Plant)
Lateral	12 mm Inline 60 cm dripper discharge 4 lph
Date of sowing	12.06.2008
Fertigation	Partial drenching of Chlorophyriphos for mealy bug through drip
Fertilizers	As per standard dose
Inter crop	Maize on drip
Spraying	For sucking pest, mealy bug control Foliar spraying/feeding
Drip cost per year (considering for 5 years life) (Rs/acre)	3500
Cost of cultivation (Rs/acre)	18000
Total cost of cultivation (Rs/acre)	21500
Yield (Quintal / acre)	32
Gross return (Price - Rs. 3000/ Quintal) (Rs/acre)	96000
Net profit (Rs/acre)	74500
Benefit to Cost ratio	1:3.46

Pre-monsoon cotton cultivation has been made possible with the least water availability. Yield has tripled compared to flood irrigation. Produce is clean and easy to pick. Incidence of weed is reduced and harvest time has been brought down.



Wheat under Jain Rainport Sprinkler

Farmer Name	Virendra Singh
Address	Village Bhatvada, Dist. Prapatagarh, Rajasthan
Crop	Wheat
Total Area (Ha)	2.3
System Details	Rainport
Lateral Spacing (m)	9
Nozzle Spacing (m)	9
MIS Yield (Quintal / Ha)	45
Cost of Cultivation (Rs/acre)	16000
Cost of Cultivation (Rs/Ha)	40,000
Price of Wheat (Rs/Quintal)	1200
Total Gross Income (Rs/Ha)	54,000
Net Income (Rs/Ha)	14,000
or profit per crop for 6 months if we consider tow crop per year per ha. Rs. 28000 extra income	
Yield by flood method (Quintal/Ha)	30
Extra yield due to micro – sprinkler (Quintal/Ha)	15 quintals

A great deal of water saving is achieved in wheat cultivation. Salinity is reduced in soil. Uniform growth of crop makes mechanical harvesting easy.



Farmers- our partners in progress

Maize under Jain Drip Irrigation System

Name of Farmer	Revender Reddy
Address	Veleru, Darmasugar Dist. Warangal, Andhara Pradesh
Crop	Maize
Variety	Kaveri
Soil	Medium black
Drip details	Inline, JTL 16 60 4
Total Area (acre)	4
Date of sowing	10.06.2009
Lateral spacing (m)	1.2
Crop Spacing (cm)	30 X 20 (Row x Plant)
Cost of cultivation (Rs/4 acre)	33,000
Per acre cost of cultivation (Rs)	8,250
Total Yield (Tonne/ 4 acre)	16
Yield (Tonne/acre)	4
Fodder(2.5q/acre) (Tonne/4 acre)	1
Drip cost (for considering for 5 yrs) farmers' contribution (Rs)	8,000
Total cost of cultivation (inc.drip) (Rs)	41,000
total income from Maize grain sale (@ Rs. 1100/q) (Rs/Quintal)	1,76,000
Fodder (2.5 qtls) Rs.1600/acre) (Rs)	6,400
Gross income (Rs)	1,82,400
Net Profit (Rs)	1,41,400
Benefit cost ratio	1:3.4

Maize responded very well to drip fertigation giving a net income of 35,350 INR per acre per season (4 months)

Farmer got a return of 3.4 INR per every rupee invested. In flood irrigation the grain yield would be hardly 2.1 t/acre as against 4 t/acre in drip irrigation.

