

Help The Farmer



A CSR Initiative

SpaceAge®

SpaceAge Concepts (India) Ltd.

102 Marol Co-op. Industrial Estate, 1st Floor
Marol Sagbaug, Andheri (E), Mumbai 400 059 India

Tel: +91 – 22 – 4609-5986

E-mail: sac@space-age.com

Internet: www.space-age.com/sac-index.html

Innovators in Agriculture

Help The Farmer – Case for use of CSR Funding

Introduction:

With the rampant use of chemical (NPK) fertilizers, the farmlands of India are now totally depleted of nutrients. Please see attached file on the work of scientist Jutus Von Liebig in 1840.

The Consequences:

1. The lack of nutrients in the soil has ended up producing substandard food which is devoid of nutrition, which in turn has led to chronic diseases such as High Blood Pressure, Type 2 Diabetes, Thyroid diseases, to name a few. In short this is premature aging of the body.
2. The depleted soil has resulted in the income of the farmer reducing to such an extent, that the next generation of the farmer's family members have abandoned farming and have gone to the cities in search of income, to support their families.

This has become a dangerous trend, as humans can't live without food and life on planet Earth cannot sustain without any farmers and profitable farming. In addition, the health of 1.4 billion people in India is suffering from chronic diseases due to nutritionally deficient diet.

The income of these potential next generation farmers, who have abandoned their family profession needs to be restored for them to return back to their roots and family to look after farming which is of utmost importance to sustain life on Earth.

The Next Step:

The time has come to impart sustainable agricultural technology to improve farmland income by at least 15% as a first step.

This can be achieved by distribution of water conditioners, free of cost, to farmers to ensure that they are now able to show a profit, which will encourage the younger generation who has deserted farming and gone to cities in search of income, to return back to their roots.

Again, we have to understand that *“Change is Inevitable in Nature”* and the rule of the Universe we live in. When we look at two professions, for which the younger generation has deserted their family farms, two professions come to mind.

Future of India's Youth in Cities:

One is software engineering and the other is driving a car. Millions of youth leave their family farmlands and come to the city in search of income to support their families.

Now let us look at software engineering, where millions of our youth work both abroad and also in India. The need of millions of these software engineers are today facing an imminent risk to being replaced by Artificial Intelligence. ChatGPT can today write software in minutes, free of cost, which might take a human being weeks and months to write and make perfect.

India now faces a serious risk of software engineers in India and abroad being rendered jobless because of ChatGPT. This has the potential to upset India's balance of payments and consequently Foreign Exchange Reserves.

Now, let us look at the profession of drivers. Here again, the youth of India come to cities in search of income and take up jobs of drivers. or join Uber, Ola or work for Amazon as drivers. Again, this youth left their villages as they needed the income to support their families.

Autonomous (driverless) cars have become a reality. Soon, all these millions of youth in the driving profession will be without jobs.

Both these situations, is going to put a very large stress on India's economy. If this jobless youth is left roaming the cities, it will create a very large and unmanageable law and order situation, similar to what we are presently seeing in cities such as Los Angeles, where hundreds of youth simultaneously entering into shops and stealing everything and the police are incapable of stopping them as they are in such large groups / numbers;

There is therefore a very **URGENT** need to help the farmers to improve the profitability of their land and allow this youth to return back to their family and tend to their land.

Again, we cannot live without food which these farmers produce for us.

We have heard of many stories of farmers who inadvertently damaged their farmland using chemical fertilizers and then ultimately committed suicide because they had no money to buy seeds or even feed their families.

This is a sad but true story and we need to move quickly to change the situation for India's most important and most neglected profession – farming.

How do we propose to achieve this:

1. Identify farmers with exiting drip irrigation on their farms, who can provide production data of the previous at least 3 years.

As a first step, the goal should be to locate a minimum of 5000 farmers in Punjab, Rajasthan, Gujarat, Maharashtra, Bengal, Orrisa, Andhra Pradesh, Madhya Pradesh, Tamil Nadu, Kerala This way we will be able to gather data of different crops in different geographical regions and monitor the production in the subsequent 3 years after the implementation of our advanced sustainable agricultural technology. Once, we identify these potential farmers we can then proceed to the second stage of Help the Farmer Program

2. Install water conditioning technology and advanced irrigation processes on these qualified farms, totally Free of Cost to the farmers.

Cost to install water conditioning technology on 5,000 farms is is estimated at Rs. 40.0 Cr.

3. Arrange periodic visits to these farms to ensure the data of each crop is being accurately maintained.

An incentive be given to passionate farmers that the equipment installed on their farms, will be theirs to keep if proper data is provided over the next 3 year period, after the date of installation.

4. Manufacture 10 mobile units which is capable of visiting farmlands to repair their damaged soil.

Cost to manufacture 10 mobile units is estimated at Rs.10.0 Cr

Once these special mobile units are manufactured, they can be made available to farmers (on a rotational basis) who are already enrolled in our program.

The installing of the water conditioning technology is anticipated to increase the income of farmers by 15% of their past 3 year average, the repair work done on their land will provide further 15% increase in production. Total 30% estimated at the end of the first year alone, is enough to turn the tide to entice the younger generation to start returning back to their family's farms.

We do anticipate a 5% further improvement in the 2nd year and also in the 3rd year.

We look for word of mouth publicity to other neighboring farmers to get interested in this Innovative Agricultural Technology, which is totally sustainable and easy to implement.

This program will use the existing agricultural infrastructure in India to successfully implement and monitor this program.

Thanking you for your kind consideration and support.

Blessings,

Pramod Vora
Managing Director
SpaceAge Concepts (India) Ltd.
102 Marol Coop. Indl. Estate Ltd., 1st Floor
Marol, Andheri (East) Mumbai 400059
Tel: +91 – 22 – 4609-5986

Important Links:

<http://www.space-age.com/DealerApplicationForm.pdf>

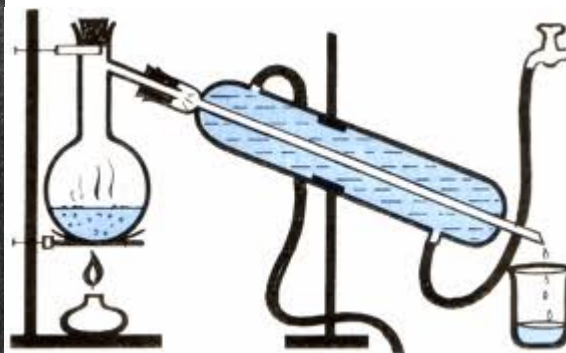
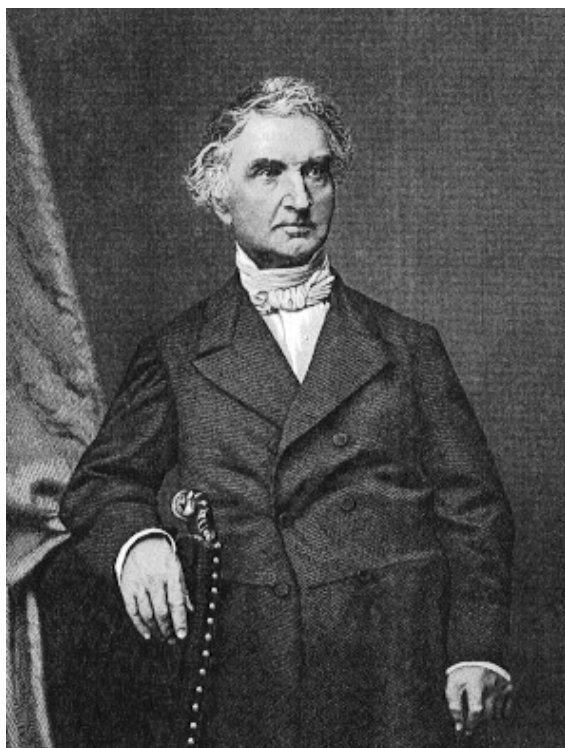
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CSR Funds may be sent by RTGS to:

Please remit CSR funds in favor of:

Beneficiary: SpaceAge Concepts (India) Ltd.
Bank Account No.: 10512229718
Bank Name: State Bank Of India
MICR Code of the Bank: 400002002
IFSC Code of the Bank: SBIN0000539

Justus von Liebig (1803-1873)



Justus von Liebig (May 12, 1803 in Darmstadt, Germany - April 18, 1873 in Munich, Germany) was a German chemist. The chemist who promoted the Liebig Condenser to make distilled water.

Organic Chemistry in its Application to Agriculture and Physiology.

by Justus Von Liebig - 1840

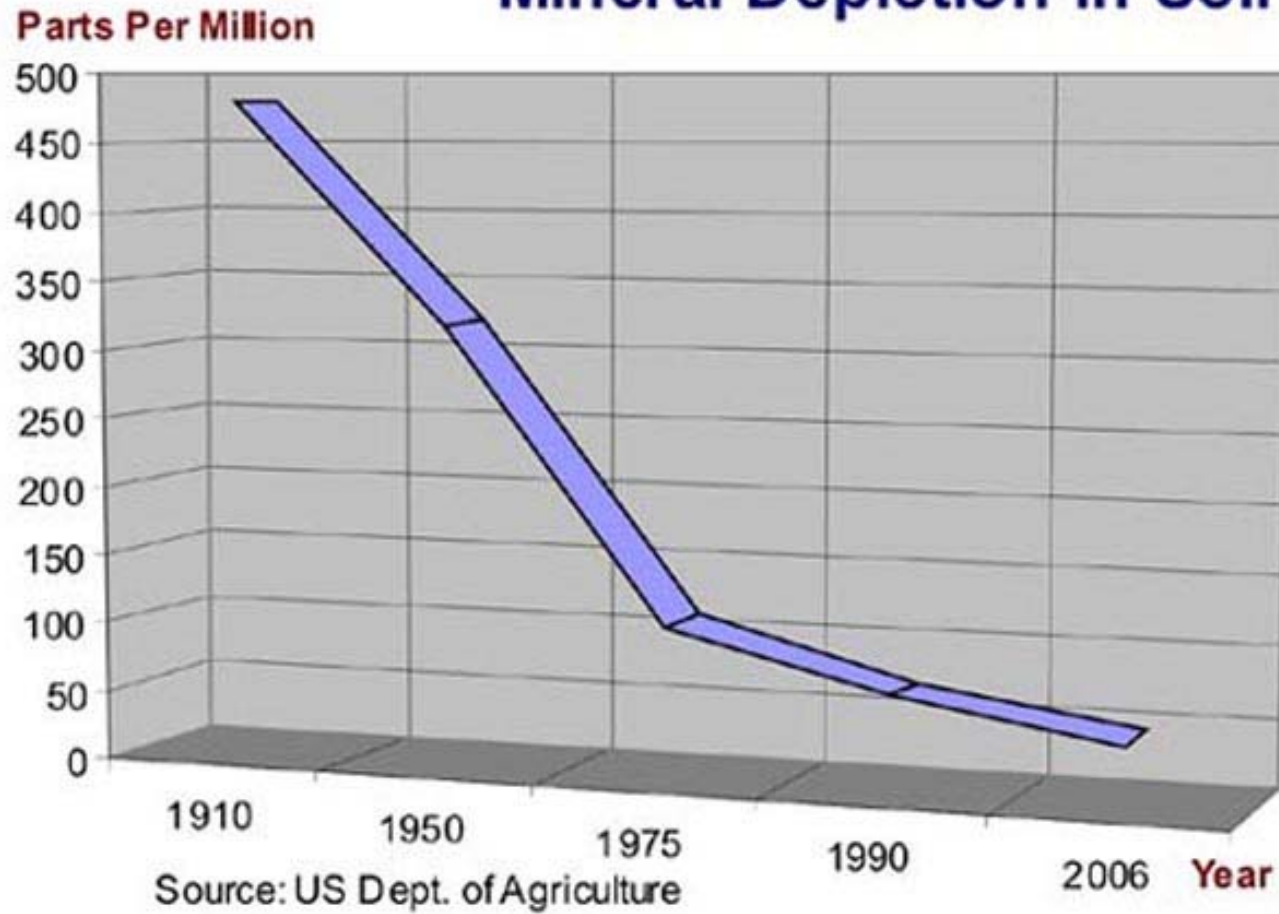
It is probably one of the biggest mistakes in the history of mankind convincing farmers that NPK type fertilizers is the way to go. Justus Von Liebig in 1840 wrote *Organic Chemistry in its Application to Agriculture and Physiology*. Later he repents on his big mistake causing chemical companies to take over and push NPK fertilizers that wind up killing the soil, growing poor quality food and causing a degeneration of health in mass humanity.

Von Liebig even said later:

"I had sinned against the wisdom of the Creator, and received my righteous punishment. I wished to improve his work, and in my blindness believed that, in the marvelous chain of laws binding life on earth's surface and keeping it always new, a link had been forgotten which I, weak and powerless worm, must supply."

—Justus von Liebig, late in life
Quoted from Encyclopedia Britannica, 1899.
(removed from subsequent editions).

Mineral Depletion in Soil



The demineralizing effect on the fertility of the soil beginning 60 years after the introduction of the concept of NPK fertilizer by Justus Von Leibig in 1840

Letter

No.SDI/99-20000/SpaceAge/Vipra-6
Commissionerate of Agriculture,
Maharashtra State,
Pune-411001, 12th August, 1999

To,

6. The Joint Secretary,
National Committee on Use of Plastics
In Agriculture,
Himalaya House, 2nd Floor,
23, Kasturba Gandhi Marg,
New Delhi-11 0001

(11) 3323281 (1) H.S.V.

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Subject:- Inclusion of Magnetic Fluid Conditioner in Drip as a optional item

Sir,

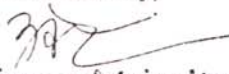
With reference to the above subject, it is stated that Space Age a supplier of magnetic fluid conditioner device has approached for inclusion of these conditioners as a optional item in drip sets.

The proposal has been discussed in our State Level Committee. Magnetic water conditioners affect the carbonates and bicarbonates and other soluble salt molecules like calcium and magnesium. As unconditioned water passes through a properly designed magnetic conditioning device the principle of magnetic resonance causes the rupturing of breaking apart of clusters of water molecules. It is known that conditioned water can take crystallized calcium carbonate back into solution conditioned water also more easily dissolve other minerals such as magnesium, nitrogen, phosphorous, potassium, etc. which are needed for plant growth. It is mainly helpful for avoiding clogging in drippers., as the complexes of CaCO_3 , MgCO_3 never get formed. The technical booklet is attached herewith.

You are therefore requested that above mentioned device may be considered as a optional item in drip set. The copy of I.I.T. report is enclosed herewith.

Thanking you,

Yours faithfully,


Commissioner, Agriculture

Copy f.w.cs.

✓ M/s Space Age Concepts(I) Ltd., 9/123, Marola Coop.Industrial Estate, Sagbaug, P.O.Box 7432, Andheir(E), Mumbai-400059.

Recd on
19/08/99

July 22, 1999

TO WHOM! SO EVER IT MAY CONCERN

This is to certify that Magnetically treated water is capable of dissolving existing Calcium Scale in pipes and nozzles carrying Hard Water and also prevent the formation of new Scale.

I have therefore no hesitation in recommending the Magnetic Water Conditioners of SpaceAge Concepts (India) Ltd, Mumbai 400 059. as essential components of Drip Irrigation Systems for Agriculture



Prof (Dr.) V. P. Sunder Singh Ph. D.
Electrical Engineering
Indian Institute of Technology
Powai
Mumbai 400 070



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Goldman Sachs says generative A.I. could impact 300 million jobs — here's which ones

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Artificial intelligence could automate up to a quarter of work in the U.S., a Goldman Sachs report says. Dowell | Moment | Getty Images

As artificial intelligence products like ChatGPT aim to become a part of our everyday lives and we learn more about how powerful they can be, there's one thing on everyone's mind: how AI could impact jobs.



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In the U.S., "of those occupations which are exposed, most have a significant — but partial — share of their workload (25-50%) that can be replaced," Goldman Sachs analysts said in the research paper.

Around the world, as many as 300 million jobs could be affected, the report says. Changes to labor markets are therefore likely – although historically, [technological progress doesn't just make jobs redundant](#), it also creates new ones.

The use of AI technology could also boost labor productivity growth and boost global GDP by as much as 7% over time, Goldman Sachs' report noted.

The jobs most and least affected by A.I. automation

Certain jobs will be more impacted than others, the report explains. Jobs that require a lot of physical work are, for example, less likely to be significantly affected.



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business and financial operations round out the top five with 35%.

On the other end of the scale, just 1% of tasks in the building and ground cleanings and maintenance sector are vulnerable to automation. Installation, maintenance, and repair work is the second least affected industry with 4% of work potentially being affected, and construction and extraction comes third from the bottom with 6%.

Data for Europe is slightly broader, but paints a similar picture with clerical support roles being most affected as 45% of their work could be automated, and just 4% of work in the crafts and related trades sector being vulnerable.

Overall, 24% of work in Europe could be automated — just below the 25% average in the U.S.

The countries most affected

These figures shift when looking at automation through AI on a global scale.

“Our estimates intuitively suggest that fewer jobs in EMs [emerging markets]



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U.S. are likely to be the top five most affected countries. Meanwhile, employees in mainland China, Nigeria, Vietnam, Kenya and, in last place, India, are the least likely to see their work being taken over by AI technology.

But while the data shows that AI will undoubtedly impact the labor market, it's not yet clear how disruptive it will really be, the report concludes.

"The impact of AI will ultimately depend on its capability and adoption timeline," it says, adding that two key factors will be how powerful AI technology really becomes and how much it is used in practice.

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