



Facts About Organic Agriculture That Many Do Not Know !



This Presentation

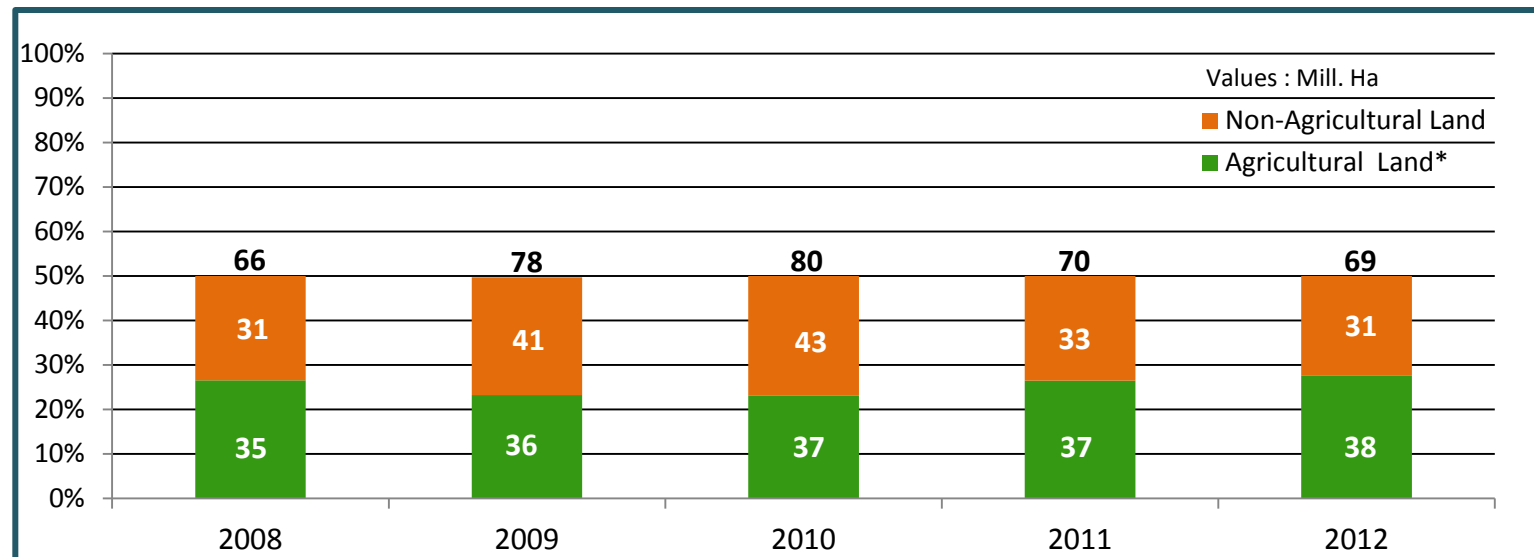
Carries data compiled from authentic and verifiable sources.

Gives incisive analysis with strong data in support.

Separates hype from reality!



Organic Agriculture Area in the World



Source : FiBL-IFOAM The World of Organic Agriculture

Growth in organic area is slow and almost stagnant.

Non-agricultural land is in fact “forest area”. It forms 50% of total area.

2/3rd of organic agricultural land grows grass to support livestock industry.

Only the balance 1/3rd grows primary food for our direct consumption.



Organic Agriculture Area in World's Agrl Majors

China > India > USA > Indonesia > Brazil are the top five in global agricultural production.

What is the area under organic agriculture in the world and in top five world majors?

Top Five Countries in Agricultural Production	Percentage of Agrl Land under Organic Agriculture
1 China	0.36
2 India	0.28
3 USA	0.64
4 Indonesia	0.16
5 Brazil	0.27
WORLD	0.86

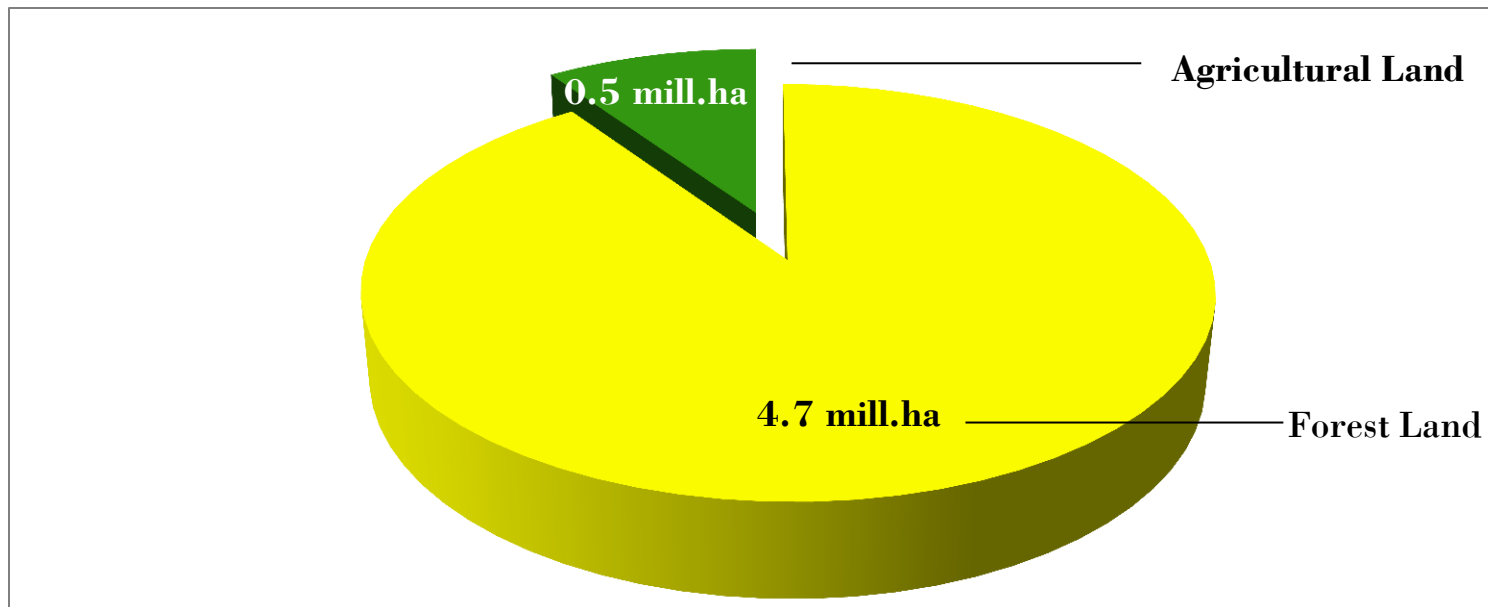
Source: FiBL- IFOAM. The World of Organic Agriculture- 2014

Globally, less than 1% of the agricultural land is under organic agriculture.



Organic Agriculture Area in India

Total area including forest land declared as organic : **5.2 Mill. Ha**



Source: FiBL-IFOAM The World of Organic Agriculture 2014

Ah... 90% of India's organic land is forest land....!

How many would know this?



India's Organic Production

India's organic production has declined from **3.88 mill.tons** in 2010-11 to **1.24 mill.tons** in 2013-14.

Organic production is down by **70%** in last three years
No explanation given out for the decline.

Over 90% of India's organic production is **not exported**

Source : NPOF and APEDA

Organic agriculture in India is not export intensive, though kept under Agricultural Processed Food Products Export Development Authority (APEDA)



India's Organic Agriculture. Doctored data..!

Organic Agriculture in Delhi

Particulars	2009-10	2010-11	2011-12	2012-13
Area (Ha)	12734	266	100239	58
Production (Tons)	4766	2172	0.01	NA

Source : India's NPOF Annual Reports

- Note the wild fluctuations in area and production
- Can you believe Delhi had over 1 lakh ha under organic farming?
- This is a clear case of a data fraud-involving falsification of records and forgery.
- Is the huge subsidy given for organic agriculture leading to data fraud?
- **CCFI has sent a detailed complaint to Prime Minister seeking forensic audit.**



Indian Organic Products - Provably Fake..!

India has a mere 24 accredited agencies for inspection and certification of 0.5 mill. Ha organic farms and 4.5 mill. Ha forest lands (Source : NPOP, Aug 2014)

Integrity of organic certification is questionable.

Sample this: Laboratory analysis by Indian Agricultural Research Institute New Delhi shows that every third organic vegetables carry pesticide residues. (Source: RTI Act response dated 1-12-2014 from IARI)

Clearly, conventionally produced commodities are simply labeled “organic” and sold at premium prices in India.

Thanks to weak regulations, no investigation and no punishment to producers and traders for faking organic.



Is the world really turning to naturals? Organics?

Cotton

- Share of cotton in textiles has declined from 50% ten years ago to 30% in 2012 in the world

Synthetic Fibers

- Share of synthetic fibers in textiles has increased to > 60%

Silk Production

- Silk production peaked in 1995 and then declined steadily due to poor demand.

Handloom Production

- The handloom production in India (which uses cotton and silk with nil electricity) declined from 5493 million sq. metres in 2003-04 to 1116 million sq. m in 2014

Jute Industry

- Jute industry is struggling to survive as consumers prefer plastic bags.

Coir Industry

- Coir (coconut) industry has lost to synthetics.

Data show a different picture than what most people think....!



Has consumption of chemical inputs come down?

Year	Global area under organic agriculture (Mill.Ha)	Global pesticides consumption (\$bn)
2003	25.7	32.41
2008	34.4	48.83
2013	37.5	60.68

During this period Chemical fertilizers consumption increased from 148 to 180 mi. tons

Evidently, organic agriculture has not led to decline in use of chemical pesticides or fertilizers in the world.

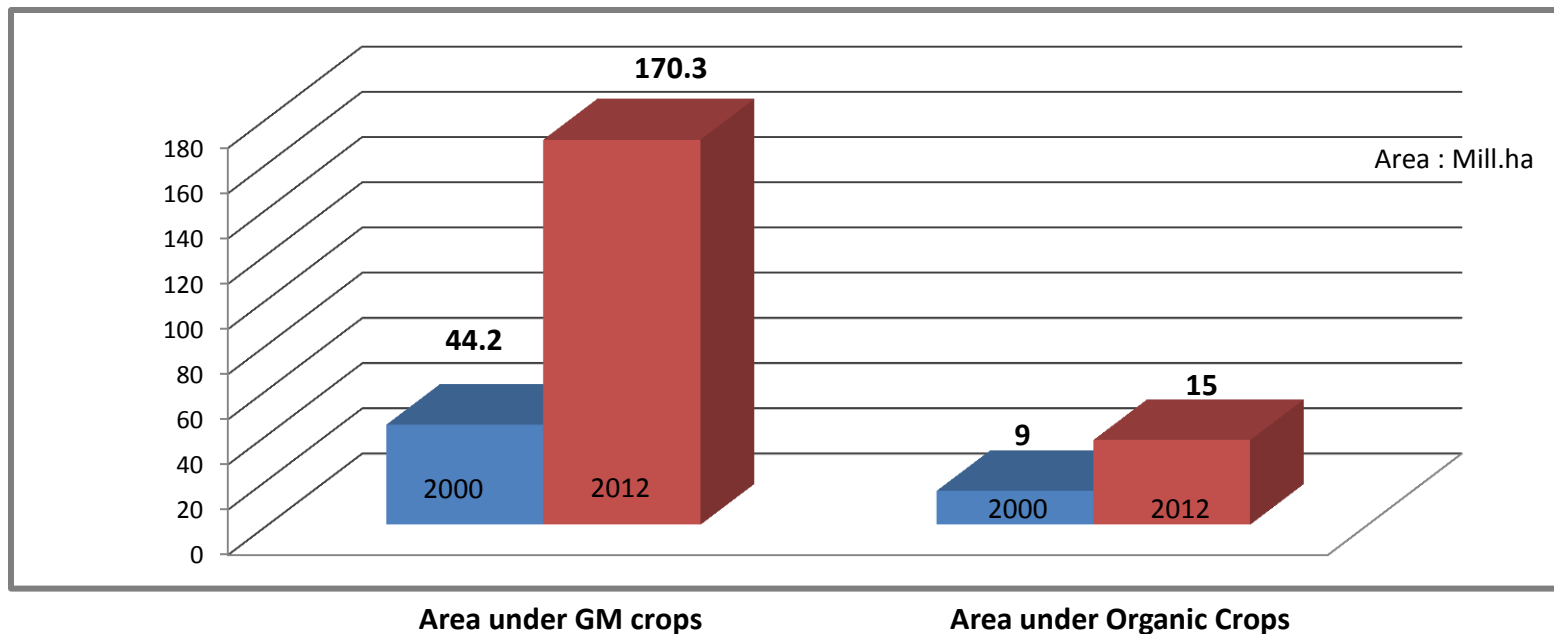
Consumption of chemical inputs grow faster, driven by demand.

Source:

1. Phillips McDougall, July 2014 FiBL and IFOAM Annual reports
2. FAO and International Plant Nutrients institute)



Adoption of GM crops and Organic Crops in the world



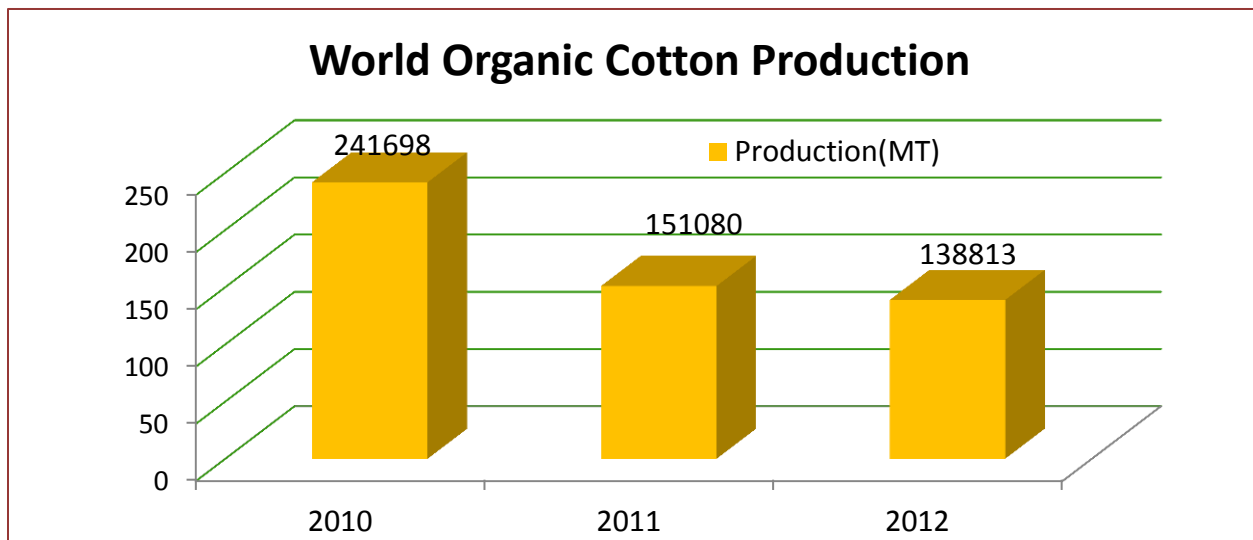
Source: 1. International Service for the Acquisition of Agri-biotech Applications
2. FiBL and IFOAM The World of organic Agriculture 2014

Despite “positive perception”, adoption of organic agriculture lags far behind that of Genetically Modified (GM) crops.

Remember, organic movement began much earlier than GM technology.



Whither Organic Cotton?



- Globally, organic cotton production has declined by 50% in just three years.
- Area under organic cotton in USA declined from 24625 acres in 1994 to 14481 acres in 2012
- In India too, production of organic cotton declined from 1,95797 tons in 2009-10 to 103004 tons in 2011-12, a fall of 47%

Source:

Textile Exchange Farm & Fibre Report 2011-12 / US Organic Cotton Production & Marketing trends, Jan 2013 / Economic Times, 11th March 2014



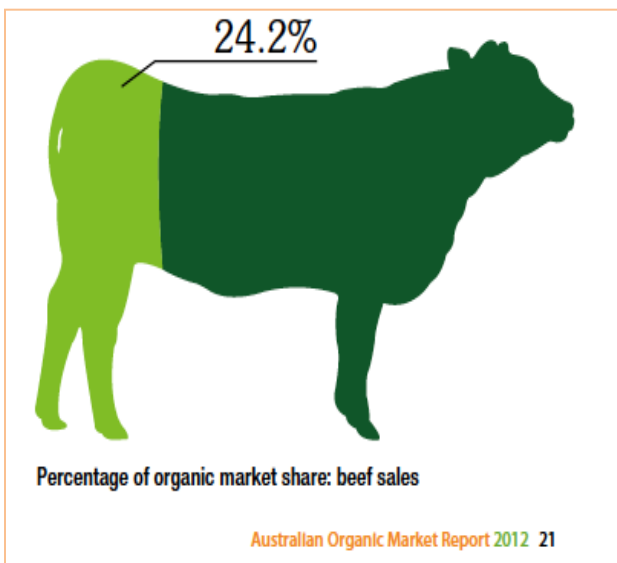
Organic Agriculture and Meat Industry



With two third of world organic agricultural land growing fodder, the livestock industry is the main growth driver of organic agriculture



In many western economies, organic meat is growing rapidly.



Germany (2012) produced 39,200 tons of organic beef

In Australia, the share of organic beef is as high as 24% (2012)



India's Organic Exports and Global Meat Industry

Share of animal feed in India's organic product exports

Year	Total quantity of organic products exported from India	Of this, share of feed grade soybean
2012-13	1,65,262 tons	41%
2013-14	1,94,088 tons	70%

Source: APEDA

Animal feeds lead the organic product exports from India

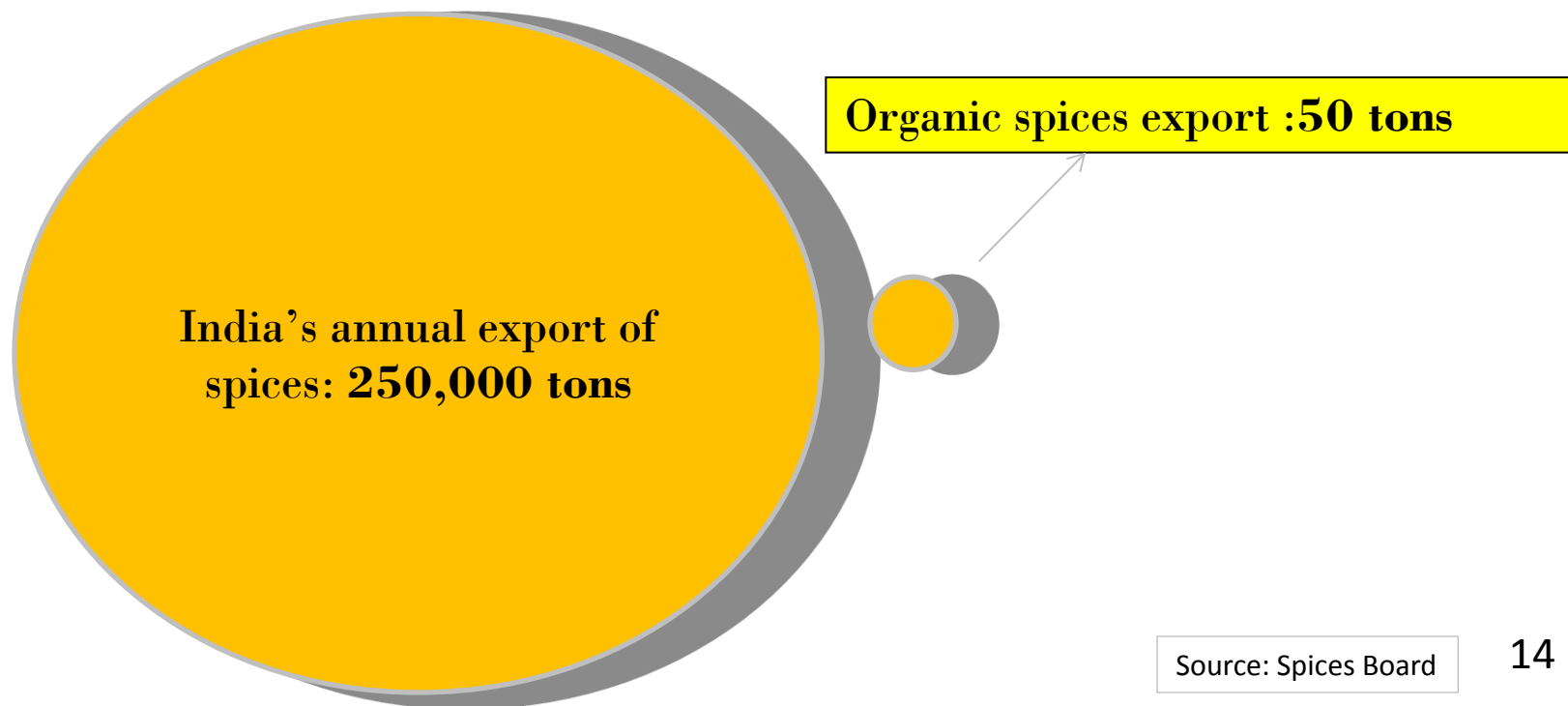
Isn't this in contrast with the public perception of our organic exports?



India's Spices Exports vs Organic Spices Exports

India is land of spices. But share of organic spices exports is a pathetic **0.006%**.

Literally a drop in the ocean.





India : The Rhetoric and Reality

The Rhetoric	The Reality
<i>Sikkim will be total organic state by 2009</i> declared Sikkim state government in the year 2004	It is work in progress even in 2014. Huge money already spent. Accountability?
<i>All cultivated lands will be converted into organic within 5 years</i> declared Kerala state government on 1 st Nov 2007	It is work in progress even in 2014 Huge money already spent. Accountability?
In 2011 Bihar state government developed Vision 2030 for Organic Farming. Allotted Rs 255 crores budget	No further news in public domain on the progress of this extra long term plan. Accountability?
The XI plan (2007-12) recommended Rs 2500 crores to convert 5 million farm lands into organic farming	Latest data shows India has only 0.5 mill.ha under organic farming. Just 10% what was planned with huge budget. Accountability?



India : Sikkim's Organic Agriculture. Hard Facts

Sikkim has very poor track record in food production.

Particulars	1995-96	2000-01	2012-13
Population (lakh)	4.06	5.41	6.07
Food grain production(lakh tons)	1.34	1.03	1.02

Source: Dept of Agriculture, Sikkim

In last two decades, Sikkim's population increased by 50% but its food grain production decreased by 30% .

Sikkim has the lowest productivity (5 tons/ha) in vegetables in India.

Sikkim is a chronically food deficient state and heavily dependent on other states to feed its population.

“Organic agriculture” seems to be a fashionable mask for Sikkim government to hide its failure on farm front.



India : Pesticides Contamination in Foods

“Pesticide residues are rigorously monitored and regulated... to address the domestic food safety and trade issues under SPS Agreement of WTO”

Dr. K.K. Sharma, Network Coordinator All India Network Project on Pesticide Residues Indian Agricultural Research Institute (IARI)

Vegetables			Fruits		
Year	Samples Analyzed	Samples above MRL	Year	Samples Analyzed	Samples above MRL
2008-09	3989	117	2008-09	2042	20
2009-10	4239	84	2009-10	2114	18
2010-11	5170	113	2010-11	2062	20
2011-12	6441	208	2011-12	2170	12
2012-13	7079	212	2012-13	2031	22
Total	26932	732(2.7%)	Total	10419	92(0.8%)

AICRP, IARI, DELHI

- The presence of pesticides above Maximum Residues Limit (MRL) in India’s fruits and vegetables average 1.8%. Highly negligible.
- Entire organic agriculture is driven by fear of pesticide residues.



Voices on Organic Agriculture

“FAO has no reason to believe that organic agriculture can substitute for conventional farming systems in ensuring world food security”

- FAO press release dated 10th Dec 2007

“There is no evidence that organic foods are more nutritious or carry fewer health risks than conventional alternatives”

- Stanford University School of Medicine, USA, Sept 2012

Is organic agriculture “affluent narcissism?”

-Forbes, 11th July 2012

“Organic agriculture has long become an ideology, the romantic back to the nature obsession of the upper middle class”

-New York Times, 6th Sept 2012

“Don’t waste money on organic food”

- UK Govt, 27th July 2014



Organic Agriculture – Closing Comments

International Federation of Organic Agriculture Movements (IFOAM) began work in 1972. Even after 40 years, **less than 1%** global agricultural land is organic globally.

Organic products form **less than 1%** of India's agri, exports.

Remember, organic agriculture is just a re-introduction of a historically used process.

Organic products have niche image for a limited, high priced market segment.

Subsidizing organic agriculture amounts to subsidizing rich man's food.

Huge subsidies to promote organic agricultural area contribute to data fraud and misappropriation of funds.

Policy makers must be mindful of this before spending public money promoting organic agriculture in India



End Quote

“I think it is a curious human nature if a certain doctrine is constantly spoken favourably by the majority, endorsed by top authorities and taught in classes, then a belief is gradually built up in one’s mind, eventually becoming the guiding principle and the basis of value judgment”

Motoo Kimura, Noted critic of Darwinism

Organic agriculture movement is a classic example of this!

It merely thrives on value judgment.



Intensive Agriculture has transformed India to be a global leader in farm production!

India now ranks no.2 in the world in overall agricultural production

We thank Indian farmers for ensuring Food Security and Nutritional Security

CCFI

Source : IMF and CIA The World Factbook 2014

Crop Care Federation of India
We Protect Agriculture
www.cropcarefed.in | e-mail: admin@cropcarefed.in

Let us be proud of this significant achievement...!

Questions? Further Information?
Mail : ganesanicc@gmail.com



Crop Care Federation of India

F-1006, 10th Floor, Vikram Tower, 16 Rajendra Place, New Delhi – 11008

Phone : 011-4503 6245, 2575 3180 Email: admin@cropcarefed.in | www.cropcarefed.in