

Lake Symposium -2014

Sirsi

Our topic is-



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TODAYS TALK.....

- Organic farming
- Comparison of food products.
- Effects of fertilizers.
- Importance of organic farming
- Conclusions and solutions

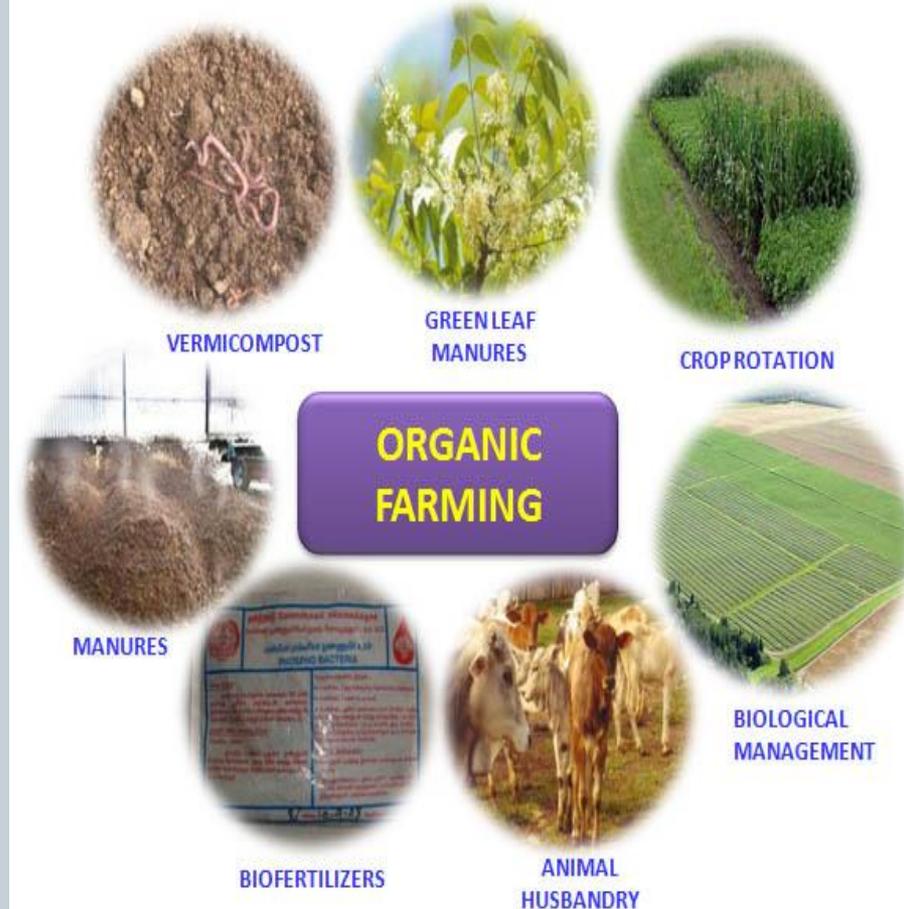
What's happening in our society???????

- People who buy fruits and vegetables see the colour, size and purchase it.
- There is a decline in farmers and organic farming.
- Only countable people prefer organic foods as per our survey but rest prefer inorganic .



What is organic farming

- Organic farming is a type of farming that relies on technique such as crop rotation , green manure and biological pest control.
- It uses only herbicides and pesticides fungicides only if it is natural.



ORGANIC FARMING

Agricultural system that works in harmony with nature.

**right SOIL
cultivation
at the right time**



**careful use of
WATER
resources**



**good animal
HUSBANDRY**



**green MANURES
and legumes**



**recycled
CROP Wastes**



**using NATURAL
pesticides**



**increasing
GENETIC DIVERSITY**



**use of
RESISTANT
crops**



Disadvantages of inorganic farming

- **Leaching**
- **Accumulation of toxic wastes**
- **Affects the plants**
- **The fertilizers are not economically affordable**
- **Harms biodiversity**
- **The chemicals and pesticides used harms the soil**

CASE STUDY-1

Bhimakuppe-

Name-Siddappa , Siddamma

Type- inorganic farming

Materials used-urea 20-20, fertilizers, dtp

Crops grown- corn, raagi, groundnut .

With very poor irrigation system and fertilizers are put once in 2 months depending on the growth of plants.



CASE STUDY-2

Bididi

- Name - Hamilton
- Type - organic with only use urea
- Materials used - urea 16-20, cow dung, earthworm
- Crops grown-tomato, chilly, wheat, banana
- With were good irrigation very good compost pit for manure and the plants are grown very nicely.

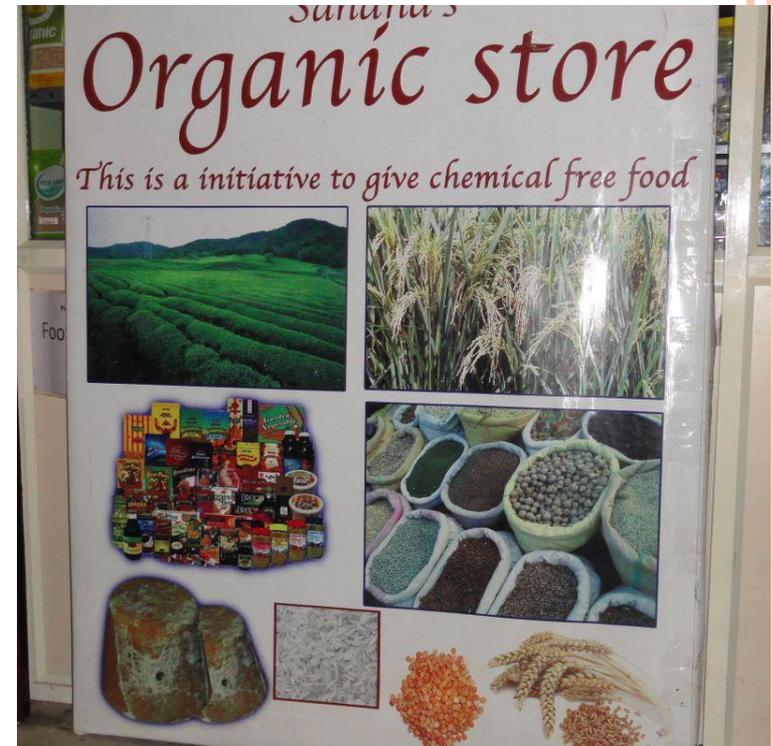


PICTURE GALLERY



A VISIT TO ORGANIC AND REGULAR STORE

- Our group visited a organic and regular store near our locality.
- We asked the difference between organic and regular store products and about the rates.
- The result which we got were that the rates are 20 to 30 % more than the regular store.



COMPARISON

Organic foods

- ◉ The colour was bright and was tastier .
- ◉ The size was small.
- ◉ Are little costly.
- ◉ Are packed in clean way in airtight covers.
- ◉ The date of expiry is fast .

Inorganic foods

- ◉ The colour was dull and not much tastier.
- ◉ The size was large.
- ◉ Are very cheap.
- ◉ Are kept open in gunny bags .
- ◉ The date of expiry is slow.



Comparison of food products

	PRODUCT	QUANTITY	ORGANIC RATE	INORGANIC RATE
1)	Groundnut	1kg	Rs 200	Rs 118
2)	Tur dal	1kg	Rs170	Rs 94
3)	Urad dal	1kg	Rs 150	Rs 62
4)	Basmati rice	1kg	Rs 160	Rs 105
5)	Ragi	1kg	Rs 80	Rs 45
6)	Red chilly	1kg	Rs 450	Rs 160
7)	Turmeric	1kg	Rs 400	Rs 240
8)	Bengal gram	1kg	Rs 140	Rs 80
9)	Sugar	1kg	Rs 130	Rs 36

PHOTOGRAPHS OF ORGANIC PRODUCTS

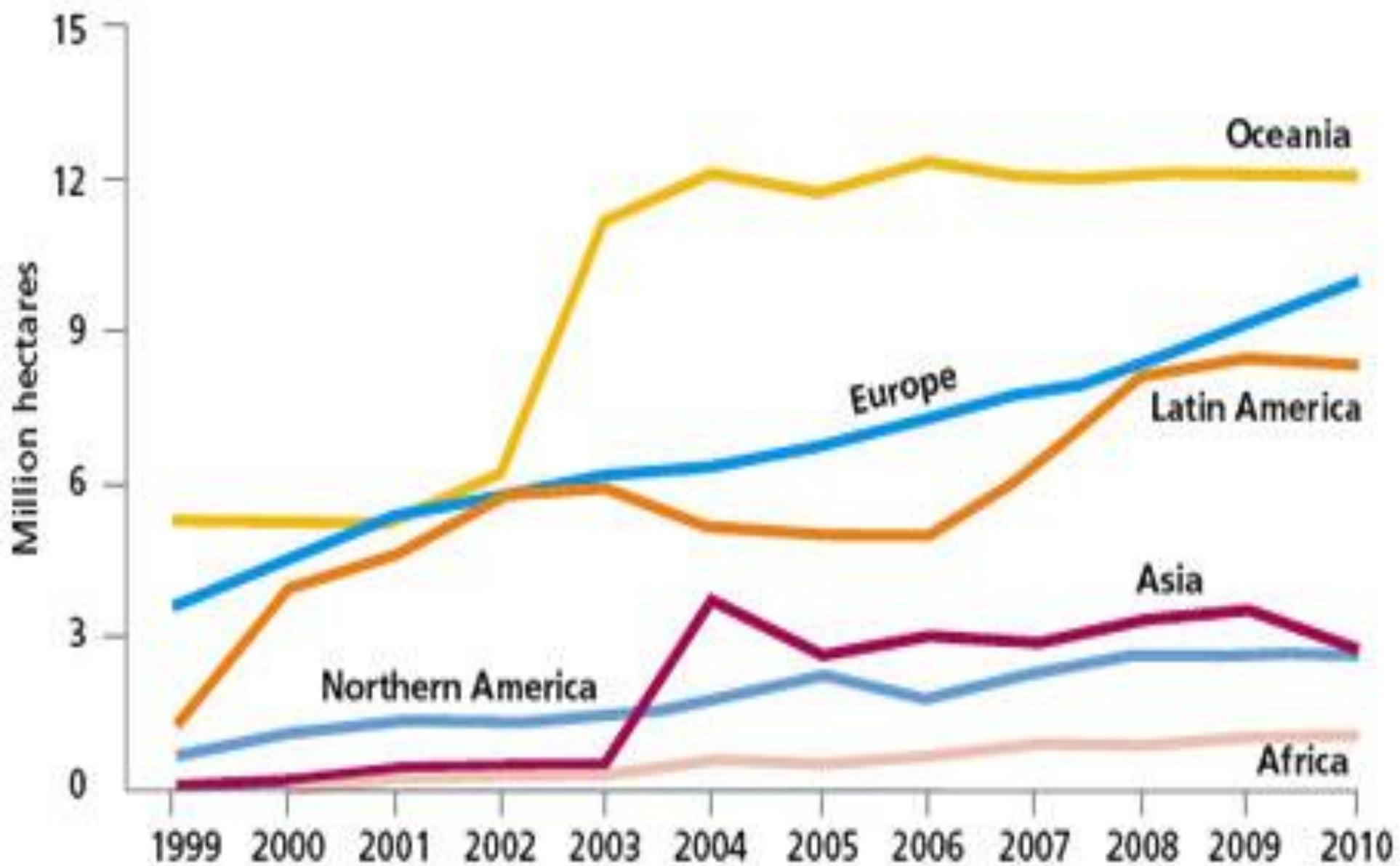


Our school **VIDYANIKETAN PUBLIC SCHOOL** also practices organic farming

They use cow dung, and only pest killer other than that everything organic.



Global growth of organic farming



EFFECTS OF FERTILIZERS

- Groundwater contamination due to nitrogen fertilizers
- Results in acid rain.
- Leads to eutrophication
- Depletes the Quality of the Soil

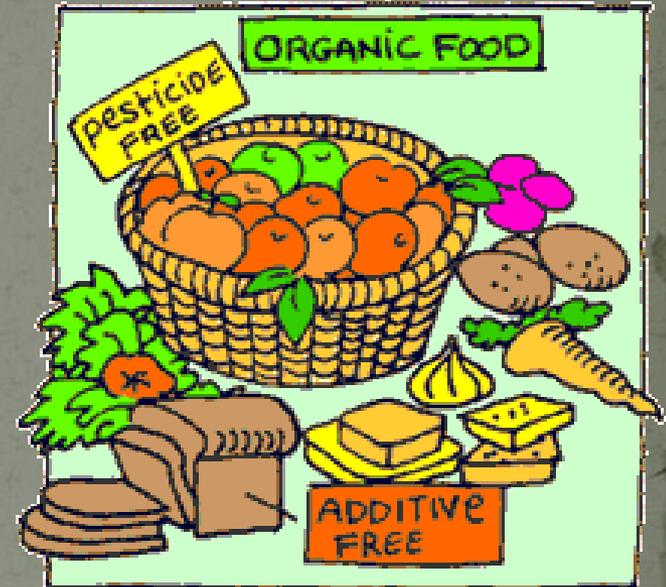


IMPACTS OF FERTILIZER ON HUMANS.

- Some diseases caused due to them are kidney failure , mental and physical growth, haemoglobin deficiency and many more.
- Continuous exposure to lead can cause damage of kidneys, high blood pressure and lowers the intelligence of children.
- Arsenic present in fertilizers can causes diseases such as skin cancer and cancer of bladder.

Importance of organic farming

- Organic foods are tastier and provides all the nutrients required for humans health.
- The usage of fertilizers in organic farming is limited and avoids risk to the people..
- Biodiversity is improved and people do not use synthetic fertilizers.
- Suits to the climate



Land use under organic farming....

- ▶ 35 million hectares land is under organic farming worldwide
- ▶ 4.4 million hectares in India
- ▶ During 2008–09, India produced about 18.78 lakh tonnes of certified organic products. Out of this, nearly 54,000 tonne food items worth Rs. 591 crore were exported.

GO ORGANIC







OUR QUESTIONS TO THE GARDENER

- 1)How much time does the crops need to grow if its organic farming?
- 2)What are the crops you grow?
- 3)What are the effects of inorganic farming?
- 4)How often do you apply manure to the crops?
- 5)Which is the harvest time?
- 6)Which crops grow fast using organic fertilizers?
- 7)Do you use pesticides?
- 8)Which crops requires more attention?

CONCLUSION

- Only countable farmers prefer organic farming and rest prefer inorganic as per our survey.
- Organic farming is very good for environment and soil , climate and these products are very good for health and environment.
- People should prefer this because it is very good and they should grow there own crops .
- Finally we would like to say organic farming is best.



SOLUTION

- Awareness should be created among people about the organic farming and about the ill effects inorganic farming .
- People can use water bottles and waste things to grow their own crops so that it is healthy .
- Growing plants around the house gives more oxygen and healthy food
- Government should encourage organic farming and some privileges to practise organic farming



Santana's
Organic store
This is a initiative to give chemical free food



Food



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Organic Agriculture
is **Society's Brightest Hope**
for **Positive Change.**

Thank You!

