

# Tell Me How ?

## Novcom compost could be a game changer for Organic / Sustainable Farming



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# What is Novcom Composting Technology ?

It is an '**NOVEL COMPOSTING**' method, which helps to develop microbially rich quality compost within shortest time period through replication of natural biodegradation method in a intensified manner. Novcom solution, developed under Element Energy Activation principle (EEA Principle) provides the desired energy for rapid intensification of microbial activity within the compost heap to enable stable, mature and non- phytotoxic compost within 21 days period, securing **Less GHG Emission**, **Preservation of more carbon in changing format** and **Enhanced Atmospheric Nitrogen Fixation**.



# One Solution to All Problems

- Erosion of Top Soil    ▪ Loss of Soil Productivity    ▪ Sub - Soil Compaction
- Increase of Soil Borne Diseases    ▪ Acquisition of Residual Toxicity

## NOVCOM COMPOST

A Integral Component for

### **SOIL HEALTH MANAGEMENT**

under any Sustainable Initiative

Ensures Elimination of Nitrate Fertilizers.  
Validated On- field Study indicates that . . .

NOVCOM  
COMPOST - Ideal  
Exogenous Soil  
Inoculation

Self Generated Microbial Population  
in order of  $10^{16}$  c.f.u.

**1 unit of Novcom-N can Replace 2 units of Urea-N**



# NOVCOM COMPOST– Ideal Exogenous Soil Inoculation for Rejuvenation of Native Soil Microflora



- **Ready in 21 days**
- **No Infrastructure Required**
- **Upto 200 % N – Appreciation**
- **10,000 times higher Native Microflora**
- **Cost Effective**

**Microbial Population in the order of  $10^{16}$  c.f.u per gm or One Trillion Billion c.f.u. per Ton of Novcom Compost**

# NOVCOM COMPOST

*A Compost with a difference*

Only compost with **Self-generated microflora Population** in the order of  $10^{16}$  c.f.u per gm or **One Trillion Billion c.f.u. per Ton of Novcom Compost that helps**

1. Sustained and **enhance Crop Productivity**
2. Improve Soil Health in terms of **Speedy Microbial Rejuvenation**
3. Developed soil microbial barrier for **reducing incident of Soil Born Diseases.**
4. **Enhance Soil Nutrient Retention** and plant uptake efficiency
5. Increase **soil water holding capacity**



# NOVCOM COMPOST for SOIL HEALTH MANAGEMENT

*Towards rejuvenation of soil micro flora to maintain **Soil-Plant-Nutrient Equilibrium** towards development of **HEALTHY PLANTS***



**Primarily Achieved through On-farm produced Novcom Compost**

**One Trillion Billion Microbial Population means at least **10,000 times Higher** than any good quality compost/vermi compost.**

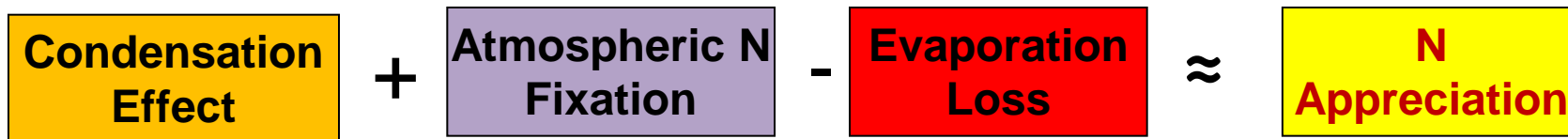




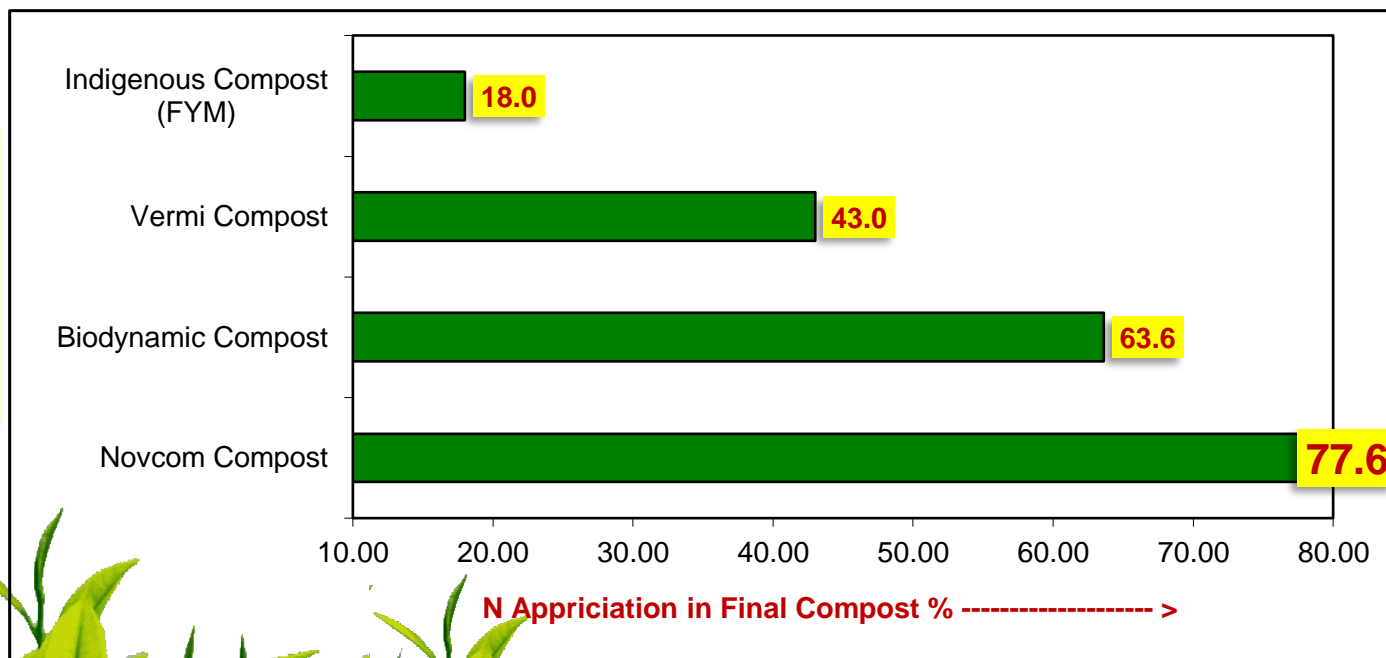


# Appreciation of N Value – Strongest Indicator of the Efficiency of Any Composting Process

During any composting process the value of Nitrogen gets appreciated due to.....



## Efficiency in composting Process



Initiated with same N value in raw material, N Appreciation was highest in Novcom compost

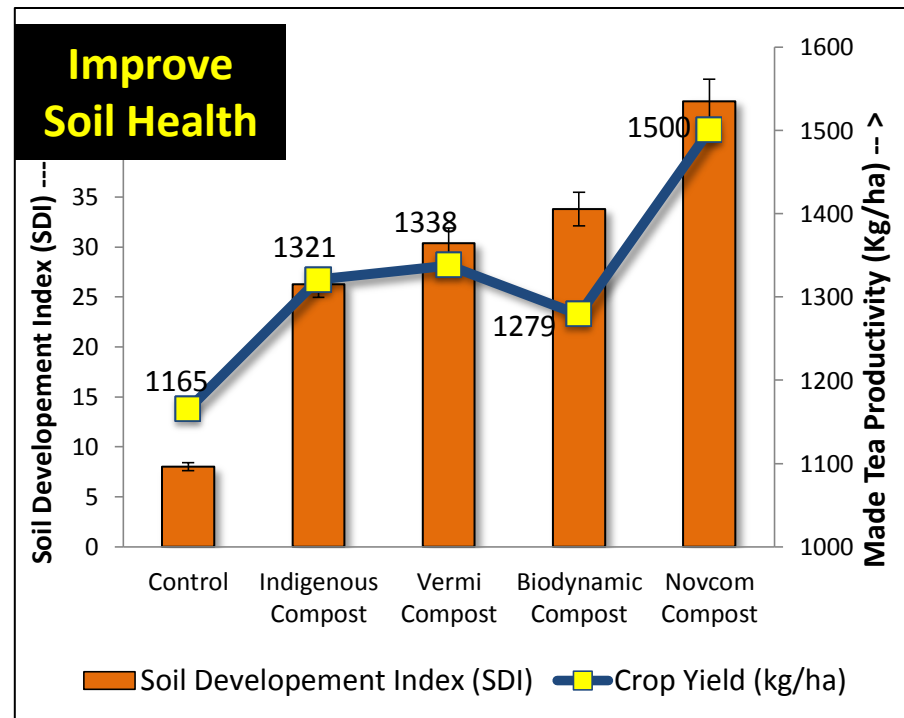
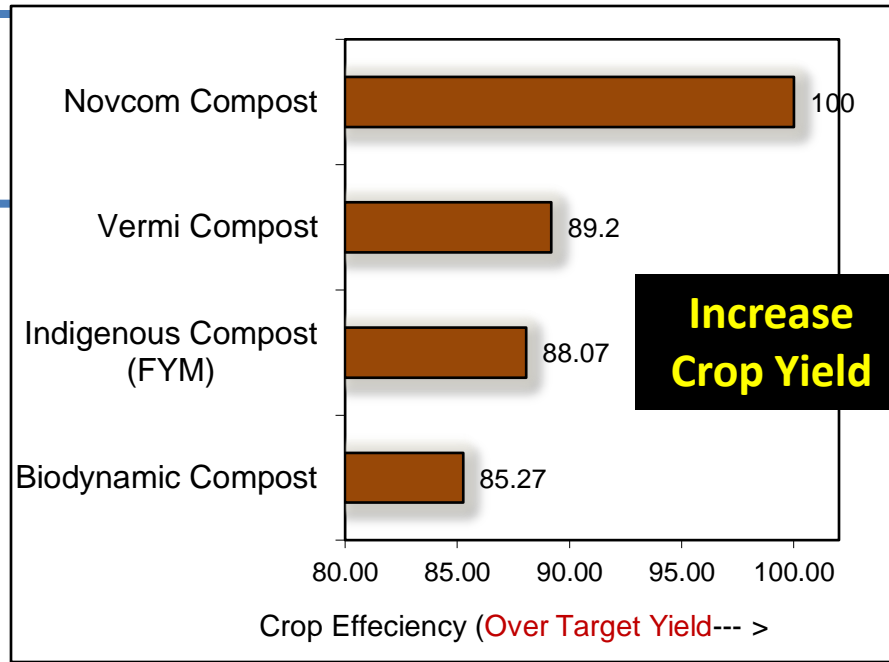




# FAO-CFC-TBI Project (2008 -2013)



Effectivity of on-farm Novcom compost was validated in terms of **Increase of crop productivity, Improvement of Soil Health** and **Economically Viable**



# Higher Nutrient Content in NOVCOM Compost

Novcom Compost

Biodynamic Compost

Vermi Compost

Indigenous Compost (FYM)



2.50                      3.00                      3.50                      4.00                      4.50

Total Nutrient (NPK percent) ----->

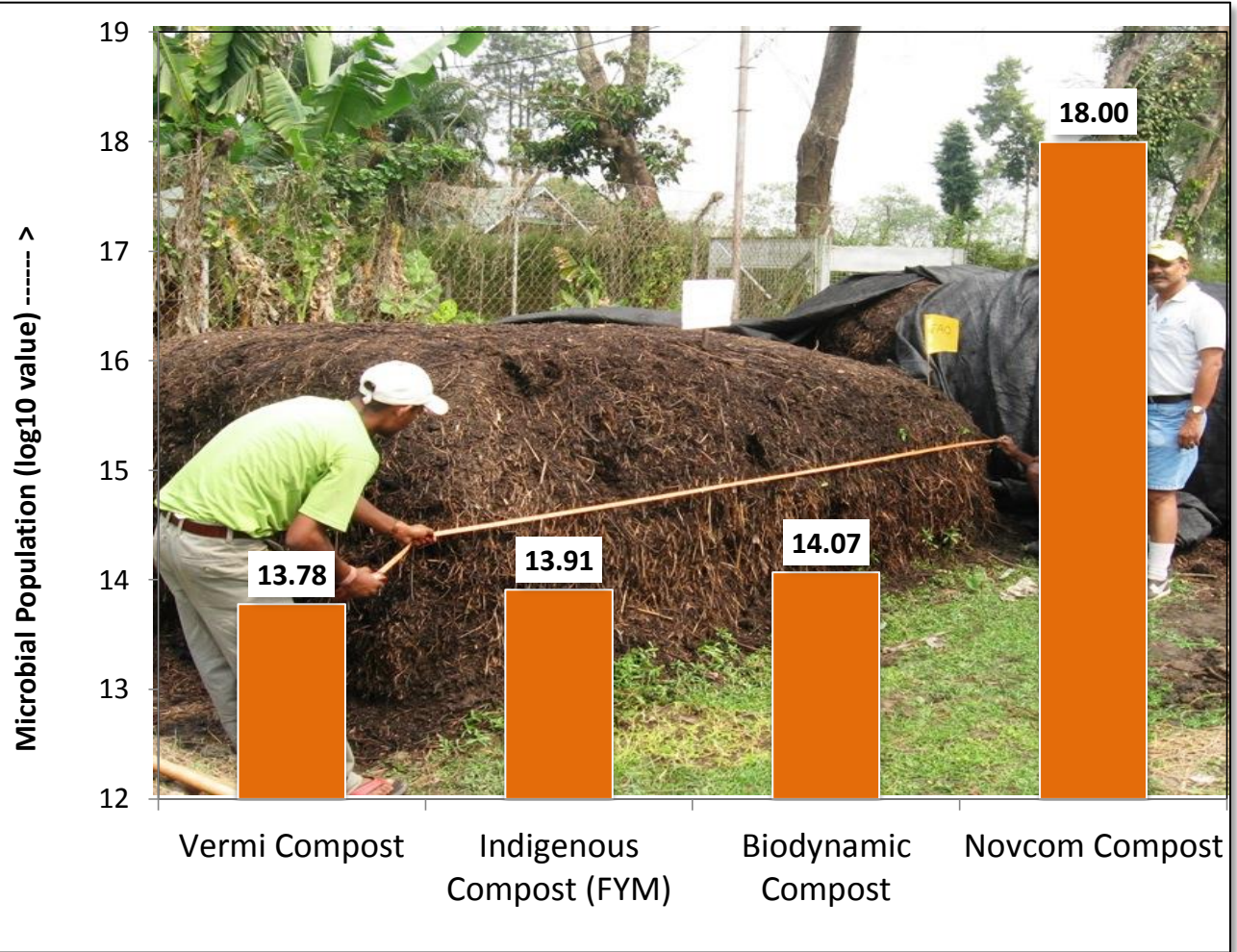
**Total Nutrient Content (total NPK) in Novcom compost is 50.6, 24.2 and 8.6 percent higher than that of Indigenous, Vermi and Biodynamic compost respectively.**





# FAO-CFC-TBI PROJECT

## Higher Microbial Population in NOVCOM Compost

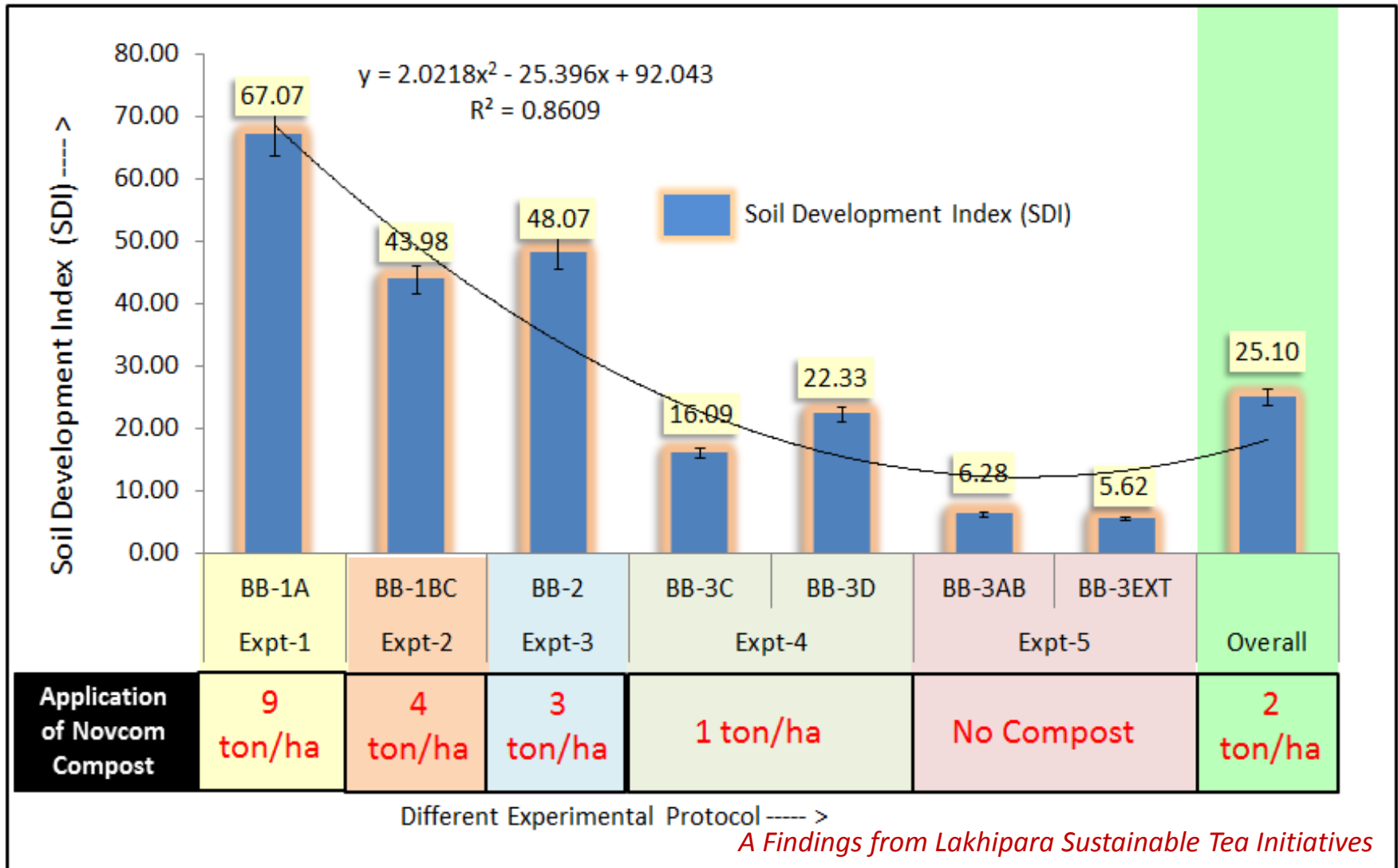


**Total Self-generated native microbial population in Novcom compost is at least 10,000 to 100,000 times higher than that of Other Compost**

Source : FAO-CFC-TBI Project (2009-2011)



# Soil Quality Development with Application of Novcom Compost

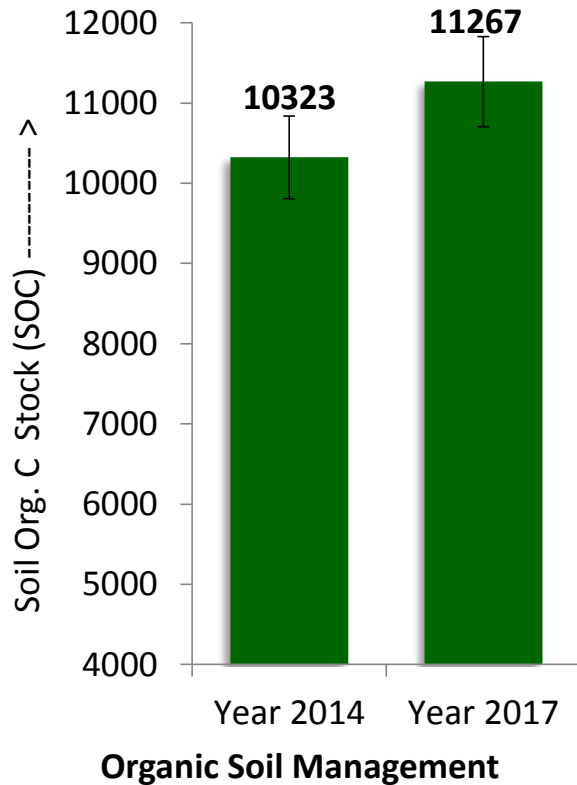


**Comparative study of Soil Development Index (SDI) with Novcom compost application in the project area.**

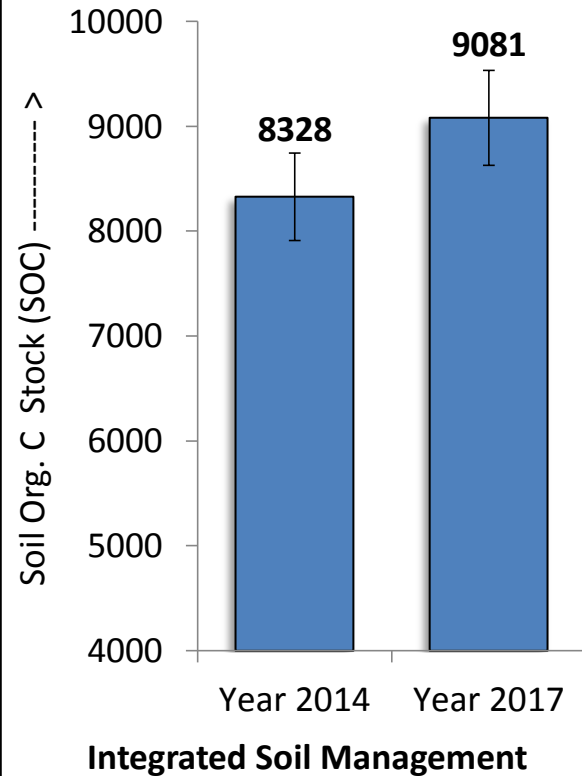


# Soil Organic Carbon Stock with Application of Novcom Compost

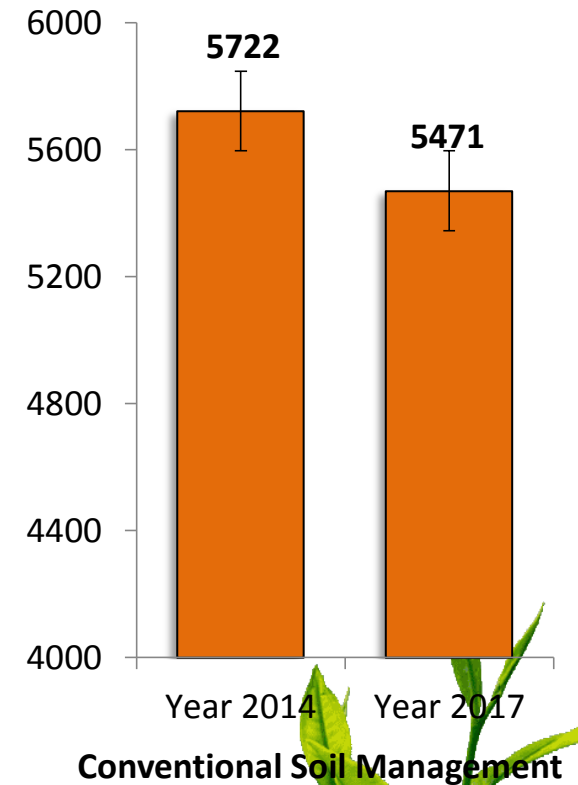
**(+) 9.14 %**



**(+) 9.04 %**



**(-) 4.39 %**



*A Findings from Lakhipara Sustainable Tea Initiatives*





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Raw Coir Pith



21<sup>st</sup> day Coir pith NOVCOM  
 Compost under  
 Experiment -2 of IORF







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**THANK YOU**