

Parnanetra

Ayurvedic Agro System

Sugarcane



Parnanetra Ayurvedic Agro System for Sugarcane



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- Parnanetra Ayurvedic Agro System (PAAS)
- PAAS For Sugarcane
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About Us – Our Mission

To create Sustainable Agriculture practices & products which ensure:

- Happy Farmers
- Revitalized Environment



About Us – Our Background

- Parnanetra has been working in Organic Agriculture since 1988
 - Parnanetra has 35+ Years of experience in Sustainable Agriculture Solutions , R&D & Manufacturing of Agro Inputs
 - Our Services and Products are offered as an integrated System i.e. **“Parnanetra Ayurvedic Agro System” (PAAS)** based on Ancient Indian Science of **“Rasayan Shastra – Ayurveda”**
 - We have been a Solution Provider for Agri Distress since 1990
 - We have been a Solution Provider for Environment Sustainability especially w.r.t. Industry & Agriculture induced Soil, Water and Air Pollution
-

About Us – Our Background



- We have helped **setup 30,000+ Organic Farms** and **3500+ Farmers** for Organic Farming under 3rd Party Certification System
- We are working as a **PGS Initiator** & have **our own Organic Traceability System** for Parnanetra Organic PGS
- We participate in Training programs on Organic Farming with state Governments Central Government of India and Companies promoting Organic Farming under CSR activity

About Us – Our Key Milestones



- **1988** – Parnanetra Sanshodhanalay
Established.
- **1993** – Garden Superintendent of Rashtrapati
Bhavan endorsed Parnanetra Products.
- **1993 -1996** – Agriculture Extension Dept of
Delhi Govt endorsed Parnanetra products

About Us – Our Key Milestones



- **1998**– Certified as acceptable input in Organic Farming as per EEC Regulations 2092/91 by IMO
- **1999 - 2000** - Department of Seed Sciences IARI tested Parnanetra Products on Paddy for efficacy in comparison with Gibralic Acid
- **2000** – Gandhi Vidyapeeth ,Vedchhi, District Surat , Gujarat tested and certified Parnanetra Products for its efficacy for Sugarcane, Paddy & Jowar.

About Us – Our Key Milestones



- **2002** – Hisar Agriculture University conferred PhD to Dr. Pravin Kumar for his research on Parnanetra products
- **2003 – 2005** – Punjabrao Deshmukh Krishi Vidyapeeth, Akola Maharashtra tested Parnanetra Products on various crops.
- **2007** onwards – Formed Organic Grower Groups (1800 farmers) under **APEDA** 3rd Party Certification Program.

About Us – Our Key Milestones



- **2007 -2014** : Parnanetra Products Certified as acceptable input in Organic Farming by **Bureau Veritas Certification India Pvt. Ltd**
- **2014 -15** : Introduced Private Participatory Guarantee System (PGS) as PGS Initiator
- **2018** – “**Abhinav Farmers Club**” decides to register **Member Farmers** under Parnanetra PGS

About Us – Our Key Milestones



- **2019 -2021** : KJBF (Kamalnayan Jamnalal Bajaj Foundation),Wardha , decides to register the member farmers doing Natural Farming from Wardha district , under Parnanetra PGS Initiative .
- **2022-23 _ IFOAM International Organics** acknowledged Parnanetra Ayurvedic Agro System Standards world wide ,as the standards applicable for the PGS Certification.
- **2024** – Parnanetra is now a voting member of IFOAM Organics International.

2024 | Bonn | Germany


Karen Mapusua

President, IFOAM - Organics International

CULTIVATING CHANGE.

www.ifoam.bio





- Are 100% Ayurvedic formulations
- Non Toxic & **Non Residue**
- Can be used for ground feeding as well as foliar spray
- No need of sticker or spreader, is absorbed within 30 Minutes of application
- Is compatible with other Organic as well as Inorganic Products

PAAS - Benefits

- Human & Environment Friendly - can be used for every crop
 - Lesser input cost but better results /yield higher than Organic & Conventional Cultivation.
 - Crops are able to survive & grow despite adverse climatic conditions, water scarcity or depleted soil
 - Resistance to diseases and pest increases
 - Better quality of Produce (Crops/ Vegetables/ Fruits/ Flowers) - Bigger size, more weight, better appearance, more nutritional value, great flavor, more fragrance and non toxic, **non residue**, better shelf value –resulting in better rate for produce
-

PAAS For Sugarcane - Pallav



- **Pallav** is an Ayurvedic Seed Manure which is nonpoisonous & Nontoxic
- It ensures vigorous & early germination of seeds, lesser mortality with negligible fungal attacks
- It enhances the seed's ability to absorb soil moisture at the time of germination and root formation process & plantlets develop resistance to root fungus

PASS For Sugarcane - Anupaan



- Anupaan is a Plant Vitalizing Ayurvedic Vegetable manure
- It ensures the healthy growth of all kinds of plants, trees and crops & restores the fertility of soil and is neither a fertilizer nor a hormone
- Anupaan contains various extracts of plants Amruta, Karpoor, Ela, Nagkesar, Vasaka Magadha ,Tulsi, Adrak ,Vasu and Pudina
- These constituents' act together as a health preserver for plants as Chyawanprash work on the human body

Anupaan R



- Anupaan R is an Ayurvedic Resistance Enhancer.
- It serves the dual purpose of developing and strengthening the immunity system of the plant
- Anupaan R Contains extracts of various plants Amruta, Karpoor, Pudina, Palash ,Nagkesar, Kumari, Tulsi, Sagwan, Magadha, Vidang, Dikamali, Yawanika and Gandhatrina.
- These constituents work together to build greater Resistance Power within the plant body.

Anupaan Rapid Sugar



- Anupaan Rapid Sugar enhances the Metabolic process, weight, Brix % & Sugar Recovery in Sugarcane as well as in other fruits
- It plays an important role in different stages of individual development as well as in defense against adverse environmental factors.
- Contains extracts of various plants Amrita, Vasaka, Tulsi, Vanshalochan, Kanchanar, Bel, Ark, Ela, Maulasari, Nagkesar and Pudina

Pallav BP

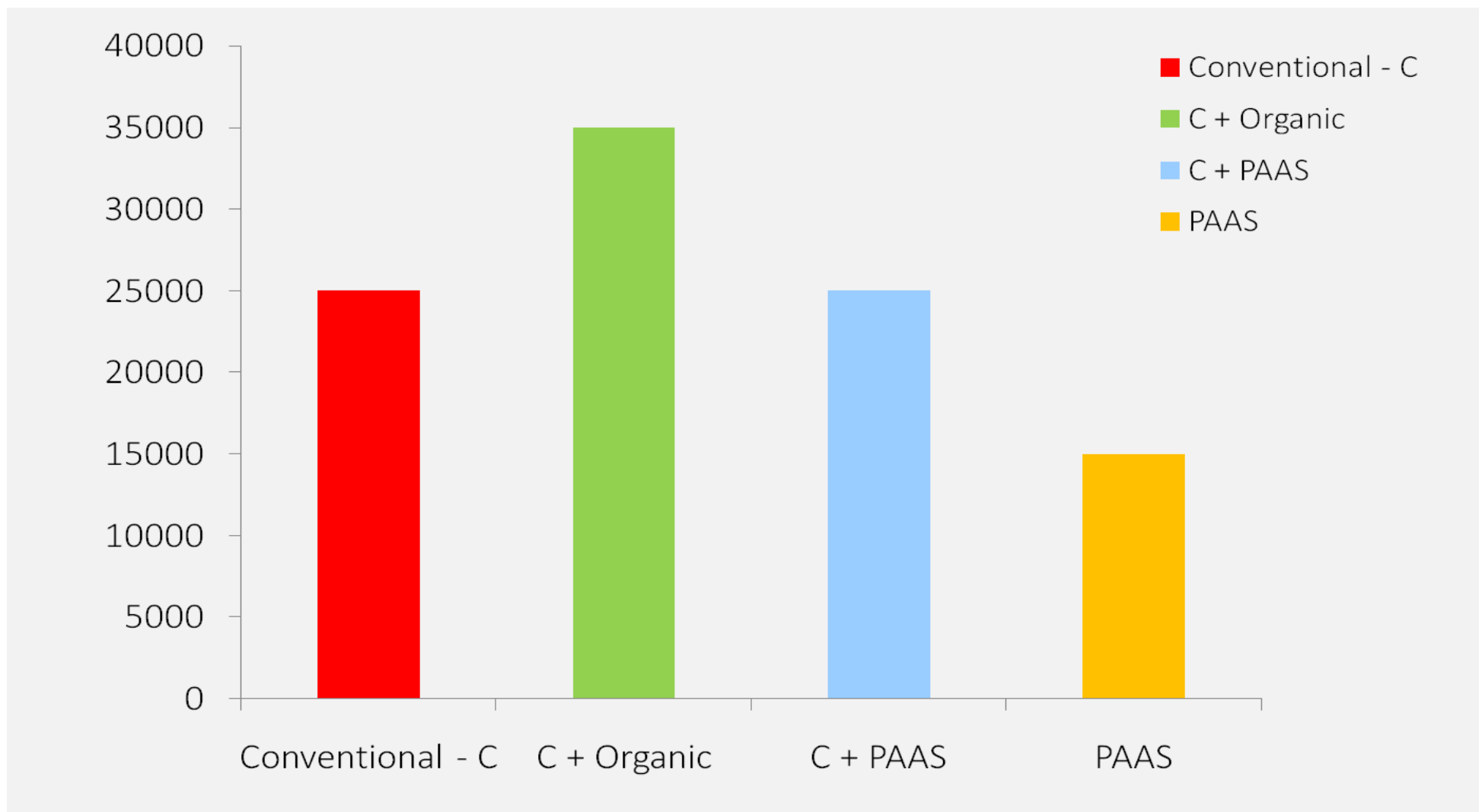


- Pallav BP is an Ayurvedic Biotic Pulsator which is non poisonous and non toxic in nature.
- It enhances the soil particles' capacity to withhold energy from Sun Rays. Soil Microbes count also increases by regular use
- With periodic application of Pallav BP on barren soil, soil damaged by heavy use of chemical fertilizer, salty /Polluted water or soil damaged due to cultivating same crop for many years can be converted to productive soil again.
- Pallav BP contains extracts of various plants Amruta, Ritha, Kumari, Lavang, Tulsi, Sariwa, Citronella, Bawanchi, Kuberakshi, Palash, Indrajav, Gokharu

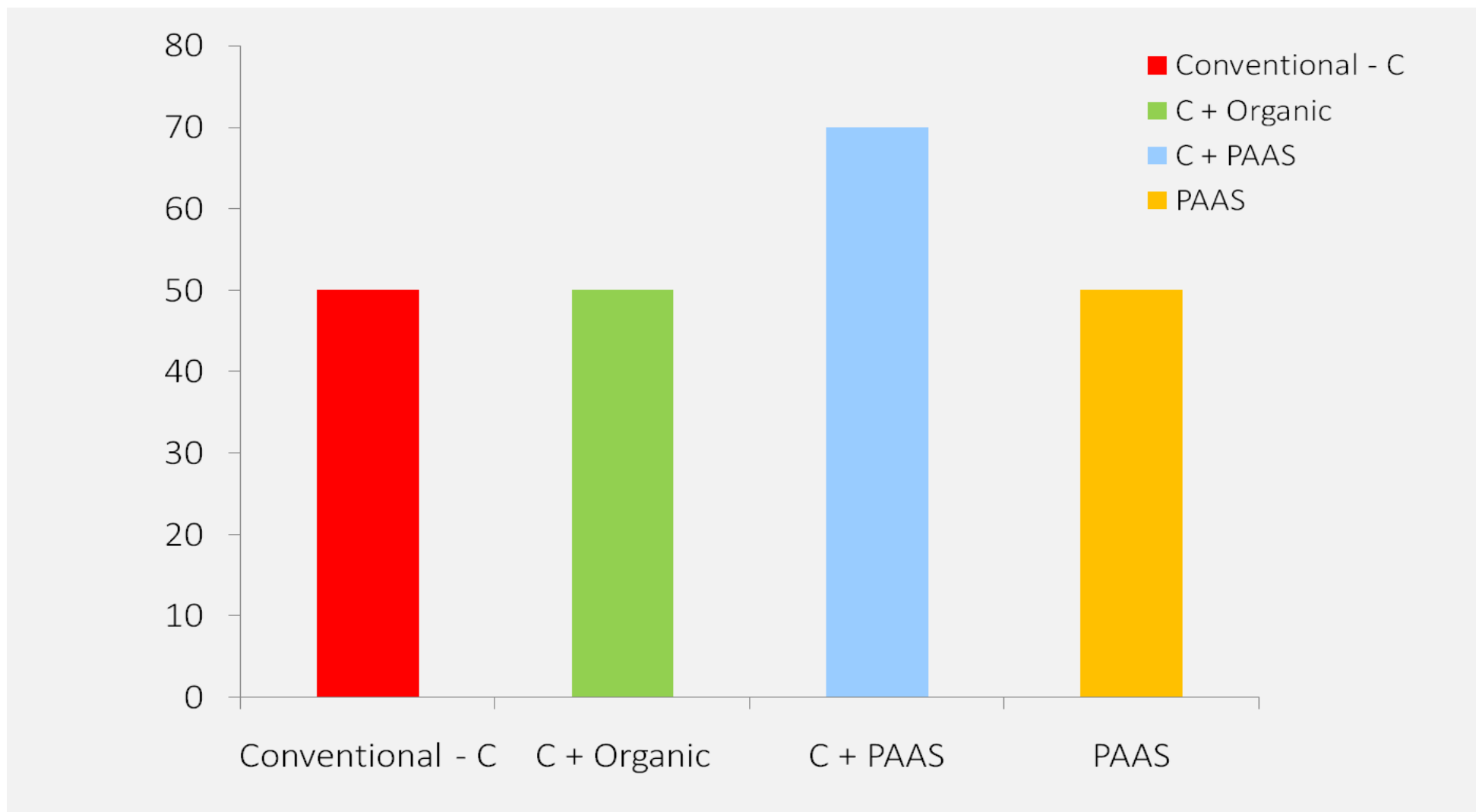
Advantage - PAAS

Comparison		
Chemical System	Organic System	PAAS System
Pollute Soil , Water & Air	No Pollution in Soil , Water & Air	No Pollution in Soil , Water & Air
Hazardous Residues in Farm produce	Non - Hazardous Farm produce.	Non-Hazardous Human Friendly Farm produce
Occurrence of pest & insects is more	Occurrence of pest & insects is less than Chemical	Minimizes Occurrence of pest & insects
Thus expensive control majors & cost of production	3 times higher cost than chemical system get equal quantity of Produce	30 % less cost than chemical system get equal quantity of Produce
Reduces fertility of fertile soils	Maintain fertility of soils	Restores fertility of damaged soils

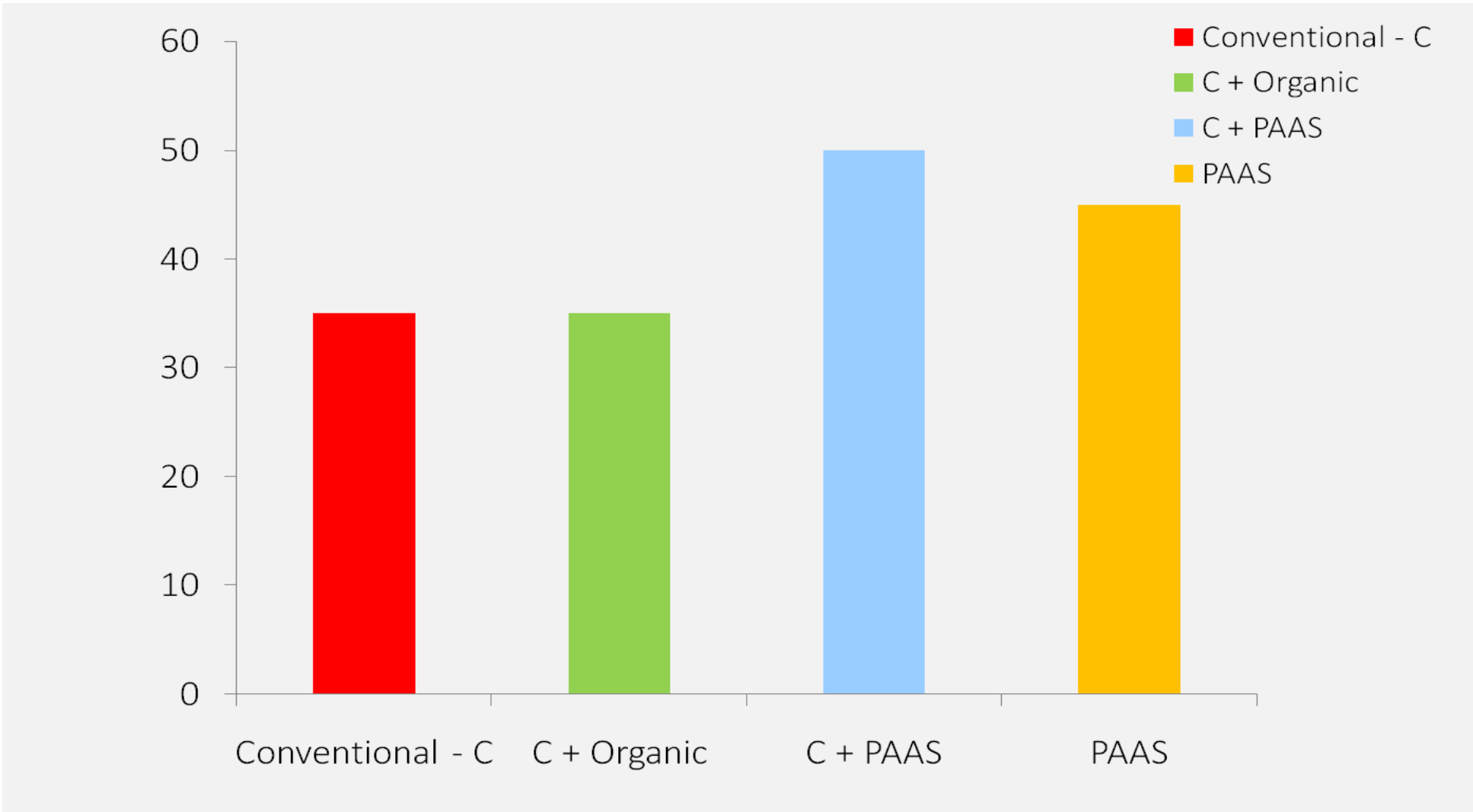
Advantage - PAAS -Input Cost (INR) / Acre



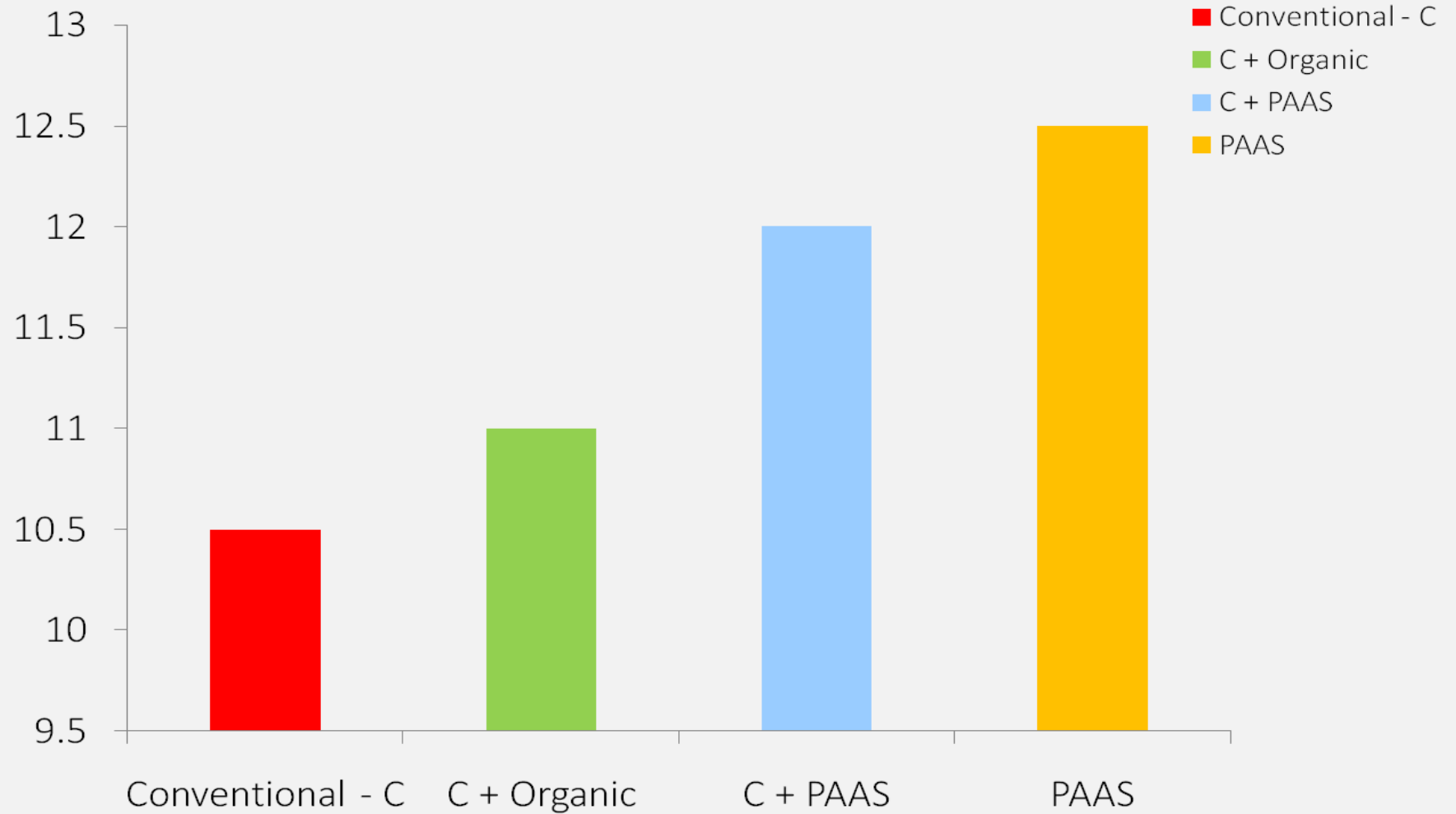
Advantage - PAAS Yield (MT) /Acre for New Plantation



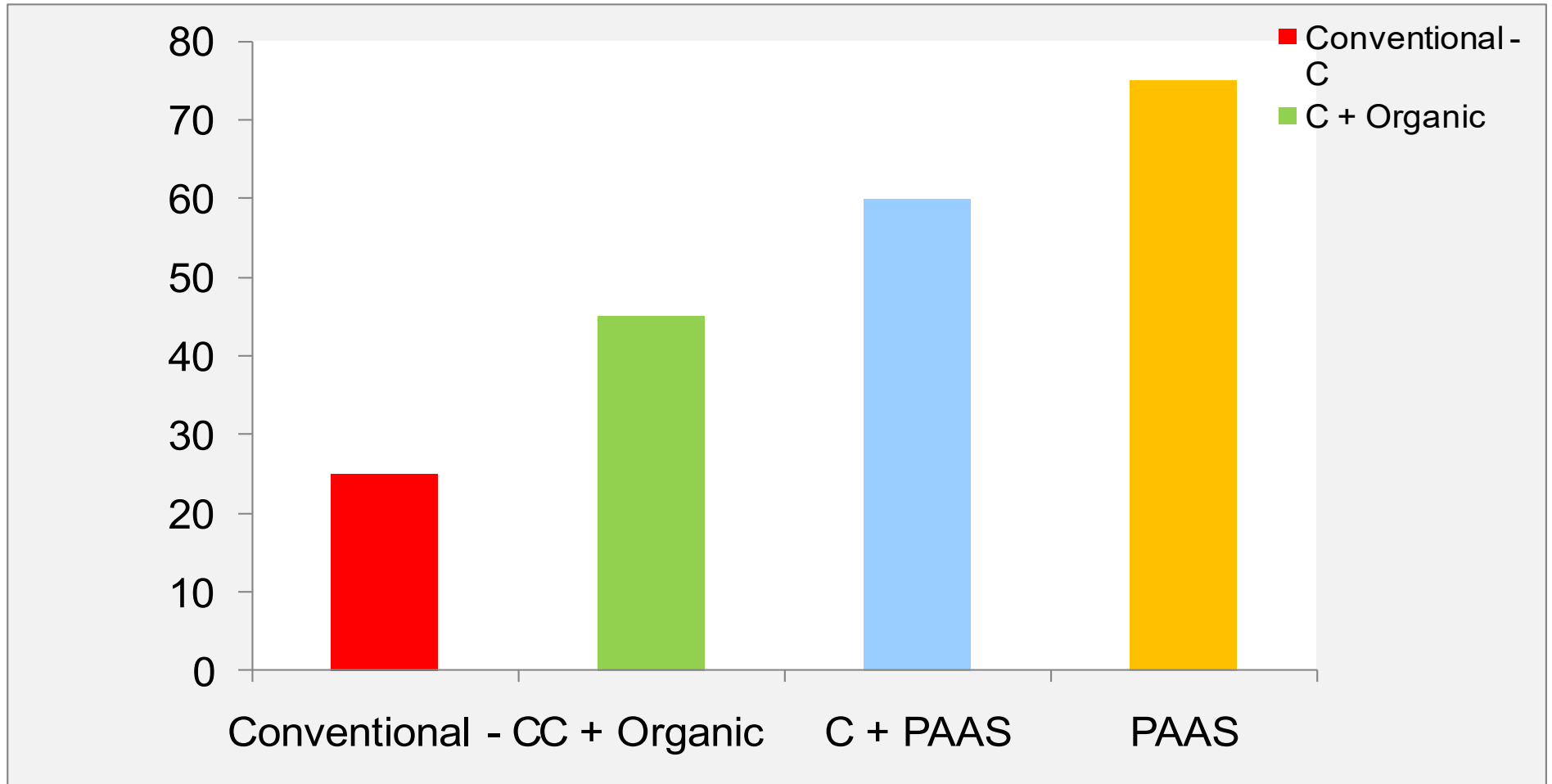
Advantage - PAAS Yield (MT) /Acre for Ratoon



Advantage - PAAS – BRIX (%)



Advantage – (for number of days) PAAS – Sustainence in Water Stress



Credentials – Gandhi University



गांधी विद्यापीठ

कुलपति : श्री पी. सी. वेष्ट
प्रमुख : श्री सीताभाई दरजी

फोन : २२०२८ (वालोड)
तार ऑफिस : वालोड
रेलवे स्टेशन : मड्री

वेडळी, जि. सुरत (गुजरात)
पिन कोड : ३९४ ६४१

क्रमांक :

गांधी विद्यापीठ, वेडळी:पेती विभाग.

तारीख : - - १९९

११/१०/२००८

गांधी विद्यापीठ पेती विभागातर्फे अनुपाम तथा अनुपाम-भार उद्योग-स्टेशनना
पाकमां उपयोज कर्यो तेनी माहिती नीचे मुख्य छे.

- उभाणु उगिर २००० तथा शेरडी, जुवारमां उपयोज करवामां आव्यो छती.

(१) उड गुंठा उगिर (२क्यारी)

- कुट वधारे छती.
- छोजना पान खिवाखपउता वधारे थाय.
- छोजना तंतु मूळभु प्रमाख वधारे
- दाखानी मज्जुताळ वधारे (भजि भोछां)
- उत्पादनमां ऋषी नी क्यारी करता वधारे
- १ क्यारीमां ६८ थि ७० मख उगिर धर्युं.

(२) शेरडी - १८ गुंठानी १ क्यारी.

- अनुपाम तथा अनुपाम-भार. ना थार छटकाव धर्यां.
- पाखीनी नितार शकित वधारे.
- पाखीनी नितार शकित भोछी छोय तेवा विस्तारमां पखु शेरडीना पाकमां
उपयोगी बने उत्पादन वधारे थापे.
- कुट वधारे.
- रोग प्रतिकारक शकित वधारे.

(३) धाख्यारा माटेनी ^{जुवार} उगिर १० गुंठानी क्यारी.

- धाख्यारा माटे २० छिवसमां वाढ माटे जुवार तयार थाय.
- छोजनी मज्जुताळ जाडाळ भे छियाळ वधारे.
- कुट वधारे थावे
- नीनी जुवार करता पखु वाढ जखडी ऋषी लळ XXXXX शकाळ
- वाढ वधारे ७ थि ८ पखु लळ शकाय.

श्री. म. म. म.

अध्यक्ष
वेडळी विभाग
गांधी विद्यापीठ, वेडळी

Credentials – Dr. Panjabrao Deshmukh Krishi Vidyapeeth

DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA - 444 104 (M.S.)

Prof. S.V. Sarode

M.Sc. (Agr.), Ph.D. (IARI), ARS, DBM,
M.A. (Eco.), M.A. (Pb. Adm.), FESI

Director of Research



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No. DR/TR/ /2005,
Dt. : 16/6/05

To,
Parnanetra Sanshodhanaly
36, Govt. Press Employees Co-op Society,
Dabha,
Nagpur - 440 023

Subject :Product testing report of Anupaan and Anupaan R.

Dear Sir,

With reference to above, please find enclosed herewith the product testing report on Anupaan and Anupaan R. conducted at Sugarcane Research Unit, Dr. PDKV., Akola for information.

Thanking you,

Yours faithfully,

(S.V. Sarode)

Cc to : Senior Research Scientist, Sugarcane, Dr. PDKV., Akola for information.

SUGARCANE RESEARCH CENTRE DR.PANJABRAO DESHMUKH AGRICULTURAL UNIVERSITY KRISHI NAGAR, AKOLA

Title : To study the effect of Ayurvedic plant vitalizer Anupaan and plant resistance Anupaan R on growth, yield and quality of sugarcane.

Objectives : To test the Ayurvedic plant vitalizer Anupaan and plant resistance enhancer Anupaan - R on growth and yield and quality of sugarcane.

Progressive year : 2003-2004

Design : RBD

Treatments : T₁ - RDF (175:100:100) kg ha⁻¹ N, P₂O₅ and K₂O
T₂ - 75 % nitrogen through inorganic fertilizer and 25 % nitrogen through organic fertilizer i.e. vermicompost
T₃ - Soil application of Ayurvedic plant vitalizer Anupaan before planting @ 250 ml ha⁻¹
T₄ - Soil application of Ayurvedic plant resistance Anupaan - R before planting @ 250 ml ha⁻¹
T₅ - Five foliar sprays of Ayurvedic plant vitalizer Anupaan after planting at the interval of 20 to 25 days @ 750 ml ha⁻¹
T₆ - Five foliar sprays of Ayurvedic plant resistance Anupaan - R after planting at the interval of 20 to 25 days @ 500 ml ha⁻¹

Plot size : Gross : 6.00 X 4.50 m²
Net : 6.00 X 4.50 m²

Seed rate : 25000 Setts ha⁻¹

No. of replications : Four

Date of planting : 21-01-2003

No. of earthing up : Two

No. of weeding : Two

Plant production measures : Two

Soil type : Loamy soil

Fertilizer application : 175:100:100 N, P₂O₅ and K₂O kg ha⁻¹
(Common dose of N:P:K given to the all the treatments except treatment T₅)

Variety : CoC 671 (Vasant)

Spacing : 90 cm

Results : Results are given in Table 1 to 3.

(A.P. Agawane)
A.P. Agawane

Credentials – Dr. Panjabrao Deshmukh Krishi Vidyapeeth

Results:

A. Yield Studies: Cane yield shown that treatment 75 % nitrogen through inorganic fertilizer and 25 % nitrogen through organic fertilizer i.e. vermicompost recorded higher cane yield (88.46 t ha⁻¹) followed by five foliar sprays of Ayurvedic plant resistance Anupaan - R (87.38 t ha⁻¹) and plant vitalizer Anupaan (87.14 t ha⁻¹) but statistically it was not reached to the level of significant. Millable cane and sugar yields were also found to be non-significant (Table 1).

Table 1. Cane yield, millable cane and sugar yield as influenced by the various treatments.

Treatments	Cane yield (t ha ⁻¹)	Millable canes (000, ha) at harvest	Sugar yield (t ha ⁻¹)
T ₁ - RDF (175:100:100) N,P ₂ O ₅ and K ₂ O kg ha ⁻¹	86.55	85647	10.74
T ₂ - 75 % nitrogen through inorganic fertilizer and 25 % nitrogen through organic fertilizer i.e. vermicompost	88.46	85068	11.49
T ₃ - Soil application of Ayurvedic plant vitalizer Anupaan before planting @ 250 ml ha ⁻¹	86.78	87151	10.42
T ₄ - Soil application of Ayurvedic plant resistance Anupaan - R before planting @ 250 ml ha ⁻¹	86.91	86157	10.50
T ₅ - Five foliar sprays of Ayurvedic plant vitalizer Anupaan after planting at the interval of 20 to 25 days @ 750 ml ha ⁻¹	87.14	89582	11.08
T ₆ - Five foliar sprays of Ayurvedic plant resistance Anupaan - R after planting at the interval of 20 to 25 days @ 500 ml ha ⁻¹	87.38	87036	10.81
S.Em. ±	2.13	2647	0.66
C.D. at 5 %	NS	NS	NS
C.V.%	4.88	6.09	12.27

A.S. Turbude
(A.S. Turbude)
A.P.

B. Quality studies: Quality of sugarcane juice did not influenced significantly by the RDF, 75 % nitrogen through inorganic fertilizer and 25 % nitrogen through organic fertilizer as well as due to soil and foliar application of Ayurvedic plant vitalizer Anupaan and plant resistance enhancer Anupaan - R (Table 2).

Table 2. Quality of juice as influenced by various treatments at harvest

Treatments	Brix %	Pol %	Purity %	CCS %
T ₁ - RDF (175:100:100) N,P ₂ O ₅ and K ₂ O kg ha ⁻¹	20.71	18.05	87.15	12.40
T ₂ - 75 % nitrogen through inorganic Fertilizer and 25 % nitrogen through organic fertilizer i.e. Vermicompost	21.01	18.69	87.57	12.96
T ₃ - Soil application of Ayurvedic plant Vitalizer Anupaan before planting @ 250 ml ha ⁻¹	19.85	17.26	86.68	11.99
T ₄ - Soil application of Ayurvedic plant Resistance Anupaan - R before Planting @ 250 ml ha ⁻¹	21.10	17.76	84.66	12.12
T ₅ - Five foliar sprays of Ayurvedic Plant vitalizer Anupaan after Planting at the interval of 20 to 25 Days @ 750 ml ha ⁻¹	21.77	18.68	85.88	12.74
T ₆ - Five foliar sprays of Ayurvedic Plant resistance Anupaan - R after Planting at the interval of 20 to 25 Days @ 500 ml ha ⁻¹	20.57	17.99	87.37	12.38
S.Em. ±	0.91	0.90	1.03	0.67
C.D. at 5 %	NS	NS	NS	NS

C. Growth studies: Millable height and number of internodes did not influenced by RDF, organic and inorganic fertilizers as well as by soil and foliar application of Ayurvedic plant vitalizer Anupaan and plant resistance enhancer Anupaan - R. However, in respect of cane diameter treatment 75% nitrogen through in organic fertilizer and 25 % nitrogen through organic fertilizer recorded significantly higher cane diameter (2.69 cm) than five foliar


A.S. Turbude
(A.S. Turbude)


Credentials – Dr. Panjabrao Deshmukh Krishi Vidyapeeth

sprays of Ayurvedic plant vitalizer Anupaan (2.47) and at par with rest of the treatments (Table 3).

Table 3. Ancillary observation as influenced by the various treatments

Treatments	Millable height (cm)	No. of inter-nodes	Cane diameter (cm)
T ₁ - RDF (175:100:100) N,P ₂ O ₅ and K ₂ O kg ha ⁻¹	189.6	18.9	2.57
T ₂ - 75 % nitrogen through inorganic Fertilizer and 25 % nitrogen through organic fertilizer i.e. Vermicompost	184.8	18.2	2.69
T ₃ - Soil application of Ayurvedic plant Vitalizer Anupaan before planting @ 250 ml ha ⁻¹	187.6	18.7	2.55
T ₄ - Soil application of Ayurvedic plant Resistance Anupaan - R before Planting @ 250 ml ha ⁻¹	189.2	18.9	2.61
T ₅ - Five foliar sprays of Ayurvedic plant vitalizer Anupaan after planting at the interval of 20 to 25 days @ 750 ml ha ⁻¹	189.6	18.5	2.47
T ₆ - Five foliar sprays of Ayurvedic plant resistance Anupaan - R after planting at the interval of 20 to 25 days @ 500 ml ha ⁻¹	189.4	18.5	2.61
S.E.m. †	2.09	0.22	0.046
C.D. at 5 %	NS	NS	0.141


Director of Research
Dr. P.D.K.V.
Akola


Senior Research Scientist
Sugarcane Research Centre
Dr.P.D.K.V. Akola

Credentials – Dr. Panjabrao Deshmukh Krishi Vidyapeeth

Studies of application of Ayurvedic plant Vitalize & plant resistant enhancer (Anupaan & Anupaan-R) on Sugarcane CoC 671 (Vasant). Studies Conducted by Sugarcane Research Unit, Dr Panjabrao Deshmukh Krishi Vidyapeeth, Akola, Maharashtra, India in Year 2003-04.

Treatments	Millable Canes (No./ha)	Millable Height (cm)	Cane Diameter (cm)	No. of Internodes	Cane Yeild (t/ha)	Brix %	Pol %	Purity %	CCS %	Sugar Yeild (t/ha)
T1- RDF(175:100:100) kg ha ⁻¹ N,P2O5 & K2O	85647	189.6	2.57	18.9	86.55	20.71	18.05	87.15	12.10	10.74
T2- 75% N through Inorganic & 25% N through Organic Fertilizer i.e. Vermi compost	85068	181.8	2.69	18.2	88.46	21.01	18.69	87.55	12.96	11.49
T3-Soil Application of Anupaan before planting @ 250 ml/ha	87151	187.6	2.55	18.7	86.78	19.85	17.26	86.68	11.99	10.42
T4-Soil Application of Anupaan-R before planting @ 250 ml/ha	86157	189.2	2.61	18.9	86.91	21.10	17.76	84.66	12.12	10.50
T5- 5 Foliar Sprays of Anupaan After Planting at the interval of 20-25 Days @ 750 ml/ha	89582	189.6	2.47	18.5	87.14	21.77	18.68	85.88	12.74	11.08
T6- 5 Foliar Sprays of Anupaan-R After Planting at the interval of 20-25 Days @ 500 ml/ha	87036	189.4	2.61	18.5	87.38	20.57	17.99	87.37	12.38	10.81
S.Em. \pm	2647	2.09	0.046	0.22	2.13	0.91	0.90	1.03	0.67	0.66
C.D. at 5%	NS	NS	0.141	NS	NS	NS	NS	NS	NS	NS
C.V. %	6.09	-----	-----	-----	4.88	-----	-----	-----	-----	12.27

Satisfied Customers



Shri Satish Mulik,
Pawaimal, Pandare , Baramati, Pune
September 2018



Sachin Kolaskar, Morath ,
Mahagaon, Yawatmal July 2017

Satisfied Customers



Shri Eknathji Karpe , Rautwadi , Shikrapur Pune December 2018

Satisfied Customers

Sugarcane Cultivated with only Parnanetra Ayurvedic Agro System

Shri Narayan Bhai Patil

Village- Lohara

Taluka- Shahada

District- Nandurbar

State- Maharashtra

Year 2022-23

Satisfied Customers

Sugarcane Cultivated with Parnanetra Ayurvedic Agro System

Shri Sanjay Bhai Patel

Village- Vanzana

Taluka- Chikhali

District- Navsary

State- Gujarat

Year 2022-23



Satisfied Customers

**Sugarcane Cultivated with only
Parnanetra Ayurvedic Agro System**

Shri Prakash Patil
Village-Chandsaily
Taluka- Shahada
District- Nandurbar
State- Maharashtra
Sugarcane
cultivated with
Parnanetra
Ayurvedic Agro
System

Photo 02 July 2024

Galaxy A23 5G



Satisfied Customers



Shri J D Niyoliya

Village-Rajput Bori

Taluka - Mandvi

District- Surat,

State- Gujarat ,

**Sugarcane cultivated with
Parnanetra Ayurvedic Agro
System & Chemical Inputs**

Photo 21 July 2024

Satisfied Customers

**Date of First Application of
Parnanetra Products 1st Sep 2019**

Shri Jayanti bhai

Village-Kukeri

District- Navsari,

State- Gujarat ,

4 th Ratoon

Sugarcane

cultivated with

Parnanetra

Ayurvedic Agro

System &

Chemical Inputs

Photo Feb 2024

itel
SHOT ON A25

Reach Us



Parnanetra Sanshodhanalay

235, Govt. Press Colony, Dabha, Nagpur 440023 MH, India



www.parnanetra.org

**General Inquiry &
Customer Care**

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info@paranetra.org

Corporate Inquiry

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paranetra@gmail.com



Thank You