

₹80/-

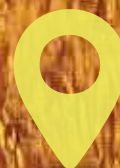
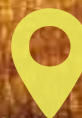
# AGRICULTURE TODAY

The National Agriculture Magazine

JANUARY 2025

VOLUME XXVIII | ISSUE 1

[www.agriculturetoday.in](http://www.agriculturetoday.in)



# 2025

## THE PATH AHEAD

**Chief Executive Officer, ATG**

Mr. Haris Khan

**Group Editor**

Mrs Anjana Nair

**Executive Editor, ATG**

Dr Aakanksha Upadhyay

**Editor, Agri News**

Sanjay Kumar

**Andhra Pradesh**

Satish B Gadde

**Assam**

Jyoti Bikash Nath

**Bihar**

Girendra Narayan

**Gujarat**

Rakesh Jani

**Haryana**

Bijender Singh Dalal

**Himachal Pradesh**

Rakesh Kumar

**Karnataka**

Santosh Langer

**Maharashtra**

Pasha Patel

**Madhya Pradesh**

Rakesh Dubey

**Punjab**

Puneet Singh Thind

**Rajasthan**

Parvinder S Chauhan

**Telangana**

Jaipal Reddy

**Tamil Nadu**

Raju Narasimman

**Uttar Pradesh**

Umesh Shukla

**Uttarakhand**

Narendra Singh Mehra

**Admin & IT Head - Anil Kumar****IT Manager - Ankit Kumar****Assistant Editor - Zaman Almas****Manager - Digital Marketing - Mansi Arya****Web Designer - Mr Rahul Singh****Graphics - Akash Bhargav****Subscription - Mohd Aijaz****Field Officer - Sumit Gaur****Circulation - Rajkumar****Graphic Designer**

A. Rehman

STATE HEADS OF ATG BUREAUS

SUPPORT TEAM

DESIGN

Publisher & Printer – Dr. MJ Khan on behalf of M/s Concept Agrotech Consultants Limited, Published from 306 Rohit house Tolstoy Road New Delhi-110001 and printed by Everest Press E-49/8, Okhla Industrial Area-II New Delhi-110020  
Phone No. 011-23731129 Fax No.011- 23731130  
E-mail: editor@agriculturetoday.in  
info@agriculturetoday.in

No part of this magazine can be reproduced, imitated or transmitted in any form, including electronic, mechanical, photocopying, recording or any information stage retrieval system or extracted in any way without permission from the publishers. Views expressed in the magazine need not necessarily be those of the Editor / Publisher.

www.agriculturetoday.in

Page in the magazine: 60

## 2025- YEAR TO THINK SMART

The new year brings hopes and aspirations. We make new promises. We look forward to right our wrongs, and forge new paths. We try to capitalize on our gains from the past year, and aim to strengthen our new position. There is a positive synergy among the stakeholders, and an atmosphere of immense possibilities loom large over the horizon.

The year 2024 was momentous for agriculture. With a respectable food grain output of 328.9 million metric tonnes, India has displayed its stability in production front. On the policy front, several new policies debuted. The Clean Plant Program (CPP) anchored focus on supplying disease-free, climate-resilient, and high-yielding planting material to realise enhanced quality and productivity in horticulture sector. The Digital Agricultural Mission (DAM), Expansion of Agricultural Infrastructure Fund (AIF), National Mission on Edible Oils and National Mission on Natural Farming have all been built up on the already established platform of raising production and productivity of clean, safe and nutritious food.

The gains made on the digital front in agriculture sector is particularly interesting. The year ahead will also capitalise on the gains made on this front. With more than 2800 agri startups powering the Indian farm sector, hopes and aspirations are ripe for a complete digital overhaul. We might be lucky to see an overdose of AI, satellite imaging, geo spatial coordinates, drones and precision farming. The year 2025, will thus become a very important year with agri digitization becoming a more common denominator. With the after effects of climate change a more predictable occurrence, the year will also see interventions and strategies to adapt and mitigate to the changes. We might be able to see more developments on research and policy front. Biofuels and energy efficient machinery are other important interventions that hopefully would become an integral part of the agri infrastructure. While we are keen to reduce the losses associated with agri outputs, we might as well think about climate smart technologies. Farmer producer organizations and other similar collectives will play a big role in universalization of digital and climate smart technologies.

Agriculture has been constantly evolving with the challenges it is exposed to. This puts an immense amount of pressure on the sector and the stakeholders. Innovators and researchers not only have to keep up with this, but also have to make sure that innovations reach the farmers on time. The way we are compressing time through digitization will only be useful, if we are also able to condense the time in bureaucratic processes. The only way to keep up the momentum will be to be act and think smart.

Happy New Year!!








From The Group Editor's Desk 03

## NEW YEAR SPECIAL

- Agriculture Policy Initiatives in India (2024) 14
- Development in Agriculture: Expectation in 2025 and Beyond 16
- The Future of Indian Agriculture 17
- Reflections and Expectations 19
- India Spurring Digital Revolution 20
- Transforming Agriculture In 2025 22
- India's Momentous Achievements in Agri Mechanization 23
- Roller Coaster Year -2024 24
- Agriculture 2025: Reimagining India's Agri-Ecosystem for a Sustainable Future 26
- 2025 - A Year of Promise and Progress 27
- Reflections on Indian Agriculture for 2024 28
- Agricultural Technology: India's Digital Revolution in 2024 and Outlook for 2025 30
- For Viksit Bharat 31
- Biologics -For Boosting Agricultural Growth 32
- Reflections and Expectations 33
- Growing Trend and Outlook of Indian Animal Healthcare 34
- Technology for Fostering Sustainable Agricultural Future 35
- 2025: A New Era for Indian Agriculture 36
- 2024: A Transformative Year for Agriculture 37
- Building Robust, Inclusive and Participative Warehousing Ecosystem 38
- The Decade Belongs to India's Agri Sector 40

## IN CONVERSATION

- Eating the Right Food and Producing it Sustainably 42

## SUSTAINABLE AGRICULTURE

- Direct Seeded Rice: A Sustainable Solution for Rice Cultivation 45

## FARMER'S DAY SPECIAL

- Choudhary Charan Singh: Indian Farmer's Messiah 48

## SOCIAL COMMITMENT

- Significance of Corporate Social Responsibility (CSR) for Startups in India 50

## ONE HEALTH

- Biological Control of Ticks In Ruminants 52

## TOWARDS INNOVATION

- The Future of Farming is at Stake 54

## STATE FOCUS

- Karnataka State Agriculture Council 56

## FARMERS' DAY CELEBRATIONS

- Cultivating Pride in Farming 58

6

DR ASHOK DALWAI



8

SIMON WIEBUSCH



10

SUSHEEL KUMAR



11

DR. K C RAVI



12

RAJVIR RATHI



13

ARUN RASTE

