

# **INDIA**

## **COUNTRY REPORT**

**Dr. Pitam Chandra**  
**Assistant Director General**  
**(Process Engg.)**

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# Production status change over last fifty years

<b>Commodity</b>	<b>1950-51, Mt</b>	<b>Mt</b>
<b>Food grains</b>	<b>50</b>	<b>206 (99-2K)</b>
<b>Oil seeds</b>	<b>5</b>	<b>24.5</b>
<b>Fruits</b>	<b>12</b>	<b>41</b>
<b>Vegetables</b>	<b>10</b>	<b>72</b>
<b>Potatoes</b>	<b>1.7</b>	<b>25 (24.2) (1998)</b>
<b>Onion</b>	<b>1.0</b>	<b>5.5 (4.75)</b>
<b>Mushroom</b>		<b>40 kt</b>

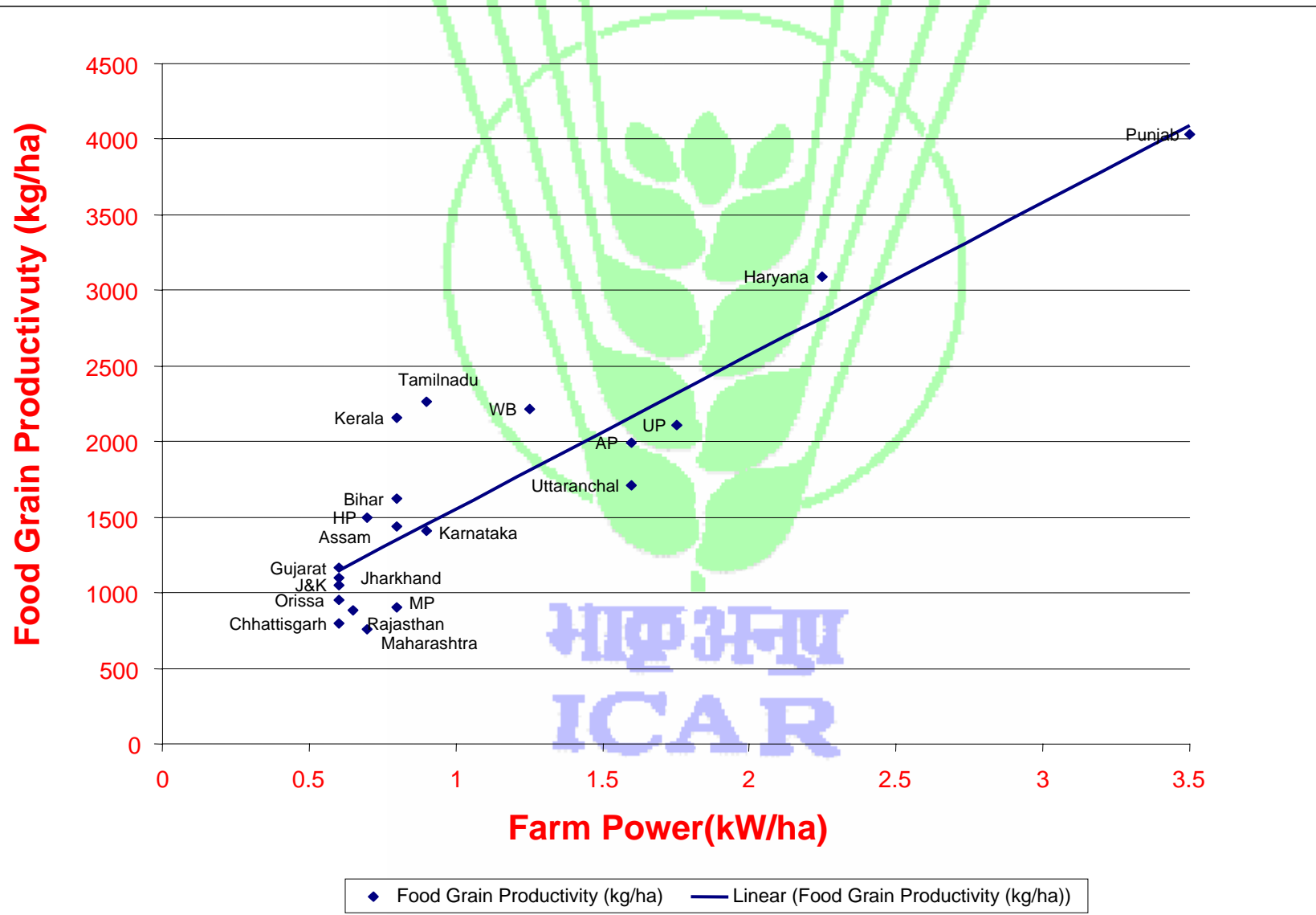
### Livestock & Poultry

Milk	17	78 (99-2K)
Meat	0.7 (1971-72)	4.6
Eggs	10 bn(#) (1980-81)	30 bn(#) (99-2K)
Fish	0.75	5.6 (99-2K)
Marine		2.9
Fresh water		2.7
Honey	0.7 kt (1963-64)	5.5 kt
Coconut	4.5 bn(#)	15 bn(#)
Spices		3
Sugar cane (Sugar)	57	309.4 cv (18.0)
Certified seeds		0.75
Lac	40 kt	20 kt
<b>Fibre crops</b>		
Cotton	0.7	2.5 (2.04)
Jute	0.67	1.67
Coir	0.13 (1954-55)	0.34
Wool	32kt (1980-81)	45 kt

# Farm Power Availability on Indian Farms

<i>Year</i>	<b>Farm Power kW/ha</b>	<b>Source wise %</b>		
		<b>Animate</b>	<b>Mechanical</b>	<b>Electrical</b>
<b>1951</b>	<b>0.25</b>	<b>97.4</b>	<b>2.1</b>	<b>0.5</b>
<b>1961</b>	<b>0.31</b>	<b>94.9</b>	<b>3.7</b>	<b>1.4</b>
<b>1971</b>	<b>0.36</b>	<b>79.2</b>	<b>16.3</b>	<b>4.5</b>
<b>1981</b>	<b>0.63</b>	<b>48.2</b>	<b>32.3</b>	<b>19.5</b>
<b>1991</b>	<b>0.92</b>	<b>34.5</b>	<b>34.7</b>	<b>30.8</b>
<b>2001</b>	<b>1.35</b>	<b>18.0</b>	<b>55.0</b> <b>(36.68)*</b>	<b>27.0</b>

# Farm Power and Productivity Relationship



# Major Farm Machinery Developed

- Self Propelled Rice Transplanter
- Tractor Mounted 2 Row Vegetable Transplanter
- Tracto Mounted Plastic Mulch Laying Machines
- Electronic Seed Counter

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# Important Post Harvest Technologies Developed

- Improved CIAE Dal Mills
- 2 t/h Capacity Fruit Grader
- Large Capacity Evaporatively Cooled Storage Structure
- Protein Extraction From Deffated Sesame Meal

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# Technology Transfer

- Manufacturing Package for Batch Production of CIAE Serrated Scickles
- Manufacturing Drawings of 20 prototypes/Test Setups Using CAD
- Adaptive Trials on Mechanically transplanted Rice.
- Frontline Demonstrations of Various Farm Machineries
- 2132 Prototypes and 50 sets of manufacturing drawings Supplied
- 111 Training Programmes for Farmers and Entrepreneurs conducted



# Women in Agriculture

The ICAR logo is a green emblem featuring a stylized plant with three leaves and a circular border. Below the emblem, the text 'ICAR' is written in a blue, sans-serif font.

- 416 women Trained in Mechanisation and Post Harvest Operations
- Based on Anthropometric Data, The Design of Sitting Type Groundnut Decorticator refined for better Ergonomic Performance
- A National Level Training Programme in Women Friendly Technologies organised during Sep 2002
- 116 Rural Women Trained to Start Small Scale Production of Soya Products

# Future Thrust Areas

- Efficient Input Utilization in Crop Production
- Post Harvest Technologies for Loss Reduction and Value Addition
- Economic Utilization of Residues and Byproducts
- Enhancement of Farmers' Income and Rural Development

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# **APCAEM Needs To Play Proactive and Intensive Role with respect to**

- Exchange of Prototypes
- Organization of Training and Exhibition
- Exchange of Information
- Visits of Experts

The logo of the Indian Council of Agricultural Research (ICAR) is a green emblem featuring a central plant with several leaves, enclosed within a circular border. The text 'भारतीय कृषि अनुसंधान परिषद' is written in Hindi above the plant, and 'ICAR' is written in English below it.

**भारतीय कृषि अनुसंधान परिषद**  
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THANK YOU

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