

**“NATIONAL POLICY WORKSHOP ON  
MAINSTREAMING SMALL MILLETS  
IN OUR DIETS” -NewDelhi Dated  
01.06.2017**

# **Experience of TamilNadu in Increasing Millet Production in**

**Department of Agriculture,  
Directorate,  
Chennai.**



**To Usher in Second Green  
Revolution**

**Doubling The Production  
and Tripling The Income**

30/01/2009

## **Agricultural Scenario**

- Tamil Nadu has 4% of the land area and 3% of the water resources at National level.
- 91% of total land holdings in Tamil Nadu belong to Small and Marginal farmers.
- Agriculture is the major livelihood provider to about 40% of the population of Tamil Nadu especially to the less endowed rural people.
- Nearly 90% of underground water potential has been exploited
- Agriculture production is mainly dependent on monsoon.,

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# Significance of Millets...

- ❖ Millets, which are traditionally cultivated over years, suffered a set back due to Change in food habits of the people.
- ❖ High nutritional content and adaptability to adverse soil and climatic conditions have necessitated the promotion of millets in a large scale.
- ❖ The millets provide multiple securities such as food security, fodder security, health and nutritional security and livelihood security.

## Nutrient composition of sorghum, millets and other cereals (per 100 g edible portion; 12 percent moisture)

	<b>Protein (g)</b>	<b>Fat (g)</b>	<b>Crude Fibre (g)</b>	<b>Carbo hydrate (g)</b>	<b>Energy (kcal)</b>	<b>Ca (mg)</b>	<b>Fe (mg)</b>	<b>Thiamin (mg)</b>	<b>Riboflavin (mg)</b>
Maize	9.2	4.6	2.8	73.0	358	26	2.7	0.38	0.20
Sorghum	10.4	3.1	2.0	70.7	329	25	5.4	0.38	0.15
Pearl Millet	11.8	4.8	2.3	67.0	363	42	11.0	0.38	0.21
Finger millet	7.7	1.5	3.6	72.6	336	350	3.9	0.42	0.19
foxtail millet	11.2	4.0	6.7	63.2	351	31	2.8	0.59	0.11
common millet	12.5	3.5	5.2	63.8	364	8	2.9	0.41	0.28
Little millet	9.7	5.2	7.6	60.9	329	17	9.3	0.30	0.09
Barnyard millet	11.0	3.9	13.6	55.0	300	22	18.6	0.33	0.10
Kodomillet	9.8	3.6	5.2	66.6	353	35	1.7	0.15	0.09

## Superior nutritional characteristics of millets

- ❖ Millets contain high amounts of proteins and fibre, B-complex vitamins including niacin, thiamine and riboflavin, the essential sulphur-containing amino acid methionine, lecithin and some vitamin E.
- ❖ Rich in iron, magnesium, calcium and potassium.
- ❖ Contain phyto-nutrients, including phytic acid, which is believed to lower cholesterol and phytate, which is associated with reducing risk of cancer.

# Millet cultivating Districts in Tamil Nadu

	Crop	District
1.	<b>Sorghum</b>	<b>Salem, Coimbatore, Trichy, Karur, Tirupur, Namakkal, Dindigul, Virudhunagar, Theni</b>
2.	<b>Cumbu (Pearl millet)</b>	<b>Villupuram, Thoothukudi, Madurai</b>
3.	<b>Ragi (Finger millet)</b>	<b>Dharmapuri, Krishnagiri, Salem</b>
4.	<b>Maize</b>	<b>Nammakal, Salem, Tiruppur, Erode, Perambalur, Ariyalur, Theni, Dindigul, Viruthunagar, Thoothukudi, Coimbatore</b>
5.	<b>Kudhiraivali (Barnyard millet)</b>	<b>Madurai, Virudhunagar.</b>
6.	<b>Varagu (Kodo millet)</b>	<b>Cuddalore, Villupuram</b>
7.	<b>Samai (Little millet)</b>	<b>Vellore, T.V.Malai, Dharmapuri, Krishnagiri</b>
8.	<b>Tenai (Fox tail millet)</b>	<b>Salem</b>
9.	<b>Panivaragu (Proso millet)</b>	<b>Salem</b>



# Ruling Varieties

<b>Cumbu</b>	<b>ICMV 221, Co (cu)9.</b>
<b>Ragi</b>	<b>GPU 68, Co 14, MR1, ML 365, L5.</b>
<b>Maize</b>	<b>CoHM5 ,CoHM6.</b>
<b>Samai</b>	<b>Co4.</b>
<b>Varagu</b>	<b>Co4.</b>
<b>Tenai</b>	<b>Co (Te)7, Co6.</b>
<b>Panivaragu</b>	<b>Co4.</b>
<b>Kudhrivalli</b>	<b>CO (Kv)2</b>

# MILLETS PRODUCTION

	Area (L.ha.)	Production (L.mt.)
<b>Maize</b>	<b>2.806</b>	<b>16.955</b>
<b>Sorghum</b>	<b>1.977</b>	<b>2.525</b>
<b>Pearl Millet</b>	<b>0.467</b>	<b>1.145</b>
<b>Finger millet</b>	<b>0.828</b>	<b>2.249</b>
<b>foxtail millet</b>	<b>0.007</b>	<b>0.003</b>
<b>Little millet</b>	<b>0.204</b>	<b>0.251</b>
<b>Kodomillet</b>	<b>0.042</b>	<b>0.084</b>
<b>Other millets</b>	<b>0.050</b>	<b>0.028</b>
Total	<b>6.381</b>	<b>23.243</b>

# Schemes implemented in Millets

- NADP – Millets
  - Production Subsidy
  - Distribution subsidy
  - Organizing cluster Demonstration
  - Micro-Nutrient Mixture Distribution
  - Bio-fertilizer Distribution
  - Value Addition training to farmers
  - Strengthening of Millet Farmer Producer Organization

# Mission On Sustainable Dryland Agriculture (MSDA)

- Cluster Based Approach Dry Land Developement
- 1000 Clusters of 1000 Ha. - 10 Lakh He. To be Covered in 4 year period 2016-17 to 2019-20
- Converging line Department Activities
- Comphrehensive Land Developement
- Agronomical Intervetions
- Animal Husbary Activities
- Value Addition
- Coustom Hiring Centers

# **Total Project Out Lay 802.9 Crore**

- 1. Base line Survey- 2.50 Cr.**
- 2. Vliage Club Formation – 10.0 Cr.**
- 3. Capacity Building- 10.40 Cr.**
- 4.Entry Point Activity- 50.0**
- 5.Comphehensive Land Developement-  
200 Cr.**
- 6. Agronomic interventions- 250 Cr.**
- 7. Asst. Value Addition- 100 Cr.**
- 8. Coustom Hiring Center- 80.0 cr**
- 9. A.H activities- 100.cr.**



**Thank You**