



Agricultural and Processed Food Products
Export Development Authority
Ministry of Commerce and Industry, Govt of India



E-Catalogue For Export Of Millets And Value Added Products KARNATAKA



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निर्यात विकास प्राधिकरण
(वाणिज्य एवं उद्योग मंत्रालय, भारत सरकार)

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FOREWORD

The extraordinary effort of Government of India resulted in the announcement of year 2023 as International Year of Millets and is a pivot move with the effect in bringing down emissions and health budget of homes. Our Honorable Prime Minister Shri Narendra Modi well emphasized the rich nutritional and cultural value of this smart food – the Indian Millets. In his 92nd Mann Ki Baat on Sunday 28th, August 2022, he could be heard quoting, “India is the largest producer of Millets in the world, so the responsibility of making this initiative a success also rests on the shoulders of the people of India. Together we all have to make it a mass movement, and also increase awareness of millets among the people of the country.”

Withstanding capacity in terms of extreme climates and potential of multiple harvests, millet is the natural insurance for the farmer with the protection of higher income and hedge for global food security. The wave of colonialism brought the new culture of food, beverage and textile or altered local culture in various countries. The need of increased calories and new consumer trends in the industrial era waned the consumption of millets and took away local food culture from our food plates during last two centuries. The Industrial Revolution 4.0 has redefined the life style and ‘need of food calories’. The millet is a smart food with climate compliant, nutrition security and true food of human civilisation.

The high protein content of millets make them ideal breakfast food for vegetarian and vegan population. The urbanization of society has resulted into the prominence of millets in the modern diet. The unique selling proposition of millets in the export markets emerge from its character of gluten free nature, nutraceutical and dietary food for specific medical purposes through processed food. The resurrection of ‘Bharatiya Food Export’ in global market through millet is a reality.

APEDA, being the apex export promotion vehicle of India, is dutiful - ‘Path of Kartavya’ - to propagate millets in global scale. An E-Catalogue of millet value chain by APEDA is the first step towards introducing our products to global market. The purpose of this E-catalogue is to create ‘credible open source’ information on material and market in terms of value chain to the Farmers, FPOs, Traders, Exporters and Importers.

I am thankful to my team APEDA, who worked hard to realize my instinct and idea of this E-catalogue’s creation.

Dr. M. Angamuthu

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01 INTRODUCTION

1.1 Brief State Profile



Geographically Karnataka is situated on a tableland where the Western and Eastern Ghat ranges converge into the Nilgiri hill complex. The neighboring states bounded with Karnataka includes Maharashtra and Goa in the North and North-West; by the Arabian sea in the West; by Kerala and Tamil Nadu in the South and Andhra Pradesh in the East. The State extends to about 750 km from North to South and about 400 km from East to West and covers an area of about 1,91,796 sq. km being **the 8th largest state** holding 5.83% of the total geographical area of India.

Karnataka Agriculture

Karnataka is divided in ten agro-climatic zones, taking into consideration the rainfall pattern, soil types, texture, depth and physio-chemical properties, elevation, topography, major crops and the type of vegetation. The contribution of Agriculture sector to the overall GSDP saw an increase from 12.16% to 13.15% in 2020-21 against 2019-20.

Monsoon: The monsoon season begins in June and lasts till September in Karnataka. During this time the Southwesterly bring rain in Karnataka. Udupi is the district receiving the highest average rainfall while the districts of Bijapur and Koppal are the ones who receive the lowest average rainfall in Karnataka. The Northeast monsoon beings from October to December, however the major is the Southwest monsoon.

Millet Area and Production: Total area under production and yield of Millets in Karnataka is 26,236 hecatres with 20,400 tonnes and yield of 778 kgs per hectare.

Agricultural Marketing: The State has 162 Agricultural Produce Market Committees (APMC's) to facilitate and regulate the marketing of agricultural commodities. On line trading system is being implemented to

sell the agricultural produce of the farmers in the markets through the electronic trading system. So far 160 markets are brought under Unified Market Platform.

Karnataka is the leader in horticulture and floriculture business. The state is the largest exporter of Gherkins and Flowers in the country. Karnataka is the largest producer of coffee, raw silk, sandalwood, ragi (finger millet), sunflower, tomato and India's second largest producer of maize, safflower, grapes, pomegranate and onions. The state ranks fifth in India in terms of total area under horticulture. It stands fifth in production of vegetable crops and third in fruit crop production. It is also the largest producer of spices, aromatic and medicinal crops and tropical fruits. It is the second largest milk-producing state after Gujarat.

Exports of Karnataka:

Karnataka ranks number 5 in Export Preparedness Index. An Export Strategy for Karnataka has been formulated in November 2020, for a period of five years, in collaboration with Federation of Indian Export Organization. Karnataka has been chosen as one of the Pilot States for setting up 5 Export Development Centre in Shivamogga, Hubballi - Dharwad Ramanagara, Bidar and Mysuru. Govt. of Karnataka has

already taken steps and signed MoUs with leading e-commerce players like Amazon Global Selling and Flipkart to boost marketing of local products.

Total export of APEDA schedule products from Karnataka for 2020-21-950 Million USD (Rs.7021crores)

1.2 Potential Of Millets And Varieties Grown

Millets are group of small grained cereal food crops which are highly nutritious and are grown under marginal/low fertile soils with very low inputs such as fertilizers and pesticides. These crops largely contribute to food and nutritional security of the country. Most of

millet crops are native of India and are popularly known as Nutri-cereals as they provide most of the nutrients required for normal functioning of human body. Millets are rain fed crops and are grown in regions with low rainfall and thus resume greater importance for sustained agriculture and food security. Based on area grown and its grain size the millets are classified as **major millet** and **minor millets**. The major millets include **sorghum (jowar)**, **pearl millet (bajra)** and **finger millet (ragi/mandua)**, minor millets includes **foxtail millet (kangni/Italian millet)**, **little millet (kutki)**, **kodo millet**, **barnyard millet (sawan/jhangora)**, **proso millet (cheena/common millet)**, and **brown top millet (korale)**.

Varieties of Millets Grown

Millet	Scientific Name
Pearl Millet	<i>Pennisetum glaucum.L.</i>
Sorghum	<i>Sorghum bicolor</i>
Finger Millet	<i>Eleusine coracana</i>
Small Millets:	
Foxtail Millet	<i>Setaria italica</i>
Barnyard Millet	<i>Echinochloa frumentacea</i>
Kodo Millet	<i>Paspalum scrobiculatum</i>
Proso Millet	<i>Panicum miliaceum L.</i>
Little Millet	<i>Panicum sumatrense</i>
Two Pseudo Millets:	
I. Buck wheat(Kuttu)	<i>Fagopyrum esculentum</i>
II. Amaranthus (Chaulai)	<i>Amaranthus viridis</i>

Millets are **major energy source** and staple foods for people living in the dry and arid regions of the world. Millets are nutritional powerhouses **high in proteins, dietary fibre, B-complex vitamins, essential amino acids, folic acid & Vitamin E**. They are particularly **high in minerals such as, Iron, Magnesium, Copper, Phosphorous, Zinc, Calcium and Potassium**. Their nutritional and health benefits have created a demand surge for a variety of millets.

Health benefits of consuming Millet:

- ▲ High dietary fibre provides hunger satisfaction and helps reduce obesity

- ▲ Reduce the risk of diabetes & cardio vascular diseases
- ▲ Beneficial in treating and prevention of gallstones and stomach ulcers
- ▲ Nutritionally dense and reduce anaemia, liver disorder and asthma
- ▲ It's hypo allergic properties help prevent allergic reactions
- ▲ Relieves constipation
- ▲ Lowers blood glucose response and reduce the risk of Type II diabetes
- ▲ Rich in anti-oxidants and hence reduce oxidative stress
- ▲ Reduce the risk of cancer
- ▲ Reduce the occurrence of hypertension

A. PEARL MILLET (BAJRA)

Pearl millet (*Pennisetum glaucum*, *P. typhoides*, *P. tyhpideum*, and *P. americanum*) is the most extensively cultivated millet and characterized by large stem, leaves, and condensed panicles (spike) of 10 to 150 cm in length. It has the highest yield potential of all millets.



Table 2: Pearl Millet Nutrient per 100g

Energy (Kcal)	361
Protein	11.6 g
Carbohydrate	65.5 g
Crude Fibre	1.2 g
Calcium	42mg
Iron	8.0 mg

Pearl millet is found to be beneficial in the process of weight loss due to its high fibre content and ability to prolong satiety. It has been found that due to its high fibre content it reduces the risk of occurrence of gall stone. It is also a rich source of calcium and phosphorus which helps to attain peak bone density.

SORGHUM (JOWAR)

Sorghum (*Sorghum bicolor L.*) commonly known as the “King of millets”, is a highly productive crop plant, which can be used for grains, livestock feed or industrial purposes.

Table 3: Sorghum Nutrient per 100g

Energy (Kcal)	349
Protein	10.4 g
Carbohydrate	72.6g
Crude Fibre	1.6 g
Calcium	25 g
Iron	4.1 mg



Sorghum and their products have high nutritional value and showed antioxidant, anti-obesity, anti-diabetic, anti-cardiovascular, anti-inflammatory, antimicrobial, and anticancer activities. However, sorghum have some limitations due to the presence of some antinutritional factors such as tannins, phytates, trypsin inhibitors, and protein crosslinker. Technological processing such as soaking, germination, fermentation, thermal processes, irradiation, and others are suitable ways for removing or reducing anti-nutritional factors, improving sorghum quality, and producing foods with high nutritional value.

FINGER MILLET (RAGI)

Finger millet (*Eleusine coracana*), often known as ragi in India, stands unique among the cereals such as barley, rye and oats with higher nutritional contents and has outstanding properties as a

Table 4: Finger Millet Nutrient per 100g

Energy (Kcal)	328
Protein	7.3 g
Carbohydrate	72 g
Crude Fibre	2.6 g
Calcium	344 mg
Iron	8.9 mg



subistence food crop. It is rich in calcium, dietary fiber, phytates (0.48%), protein, minerals and phenolics. It is also a rich source of thiamine, riboflavin, iron, methionine, isoleucine, leucine, phenylalanine and other essential amino acids. The abundance of these phytochemicals enhances the nutraceutical potential of finger millet, making it a powerhouse of health benefiting nutrients. It has distinguished health beneficial properties, such as anti-diabetic, anti-diarrheal, antiulcer, anti-inflammatory, antitumorigenic, atherosclerogenic effects, antimicrobial and antioxidant properties.

D. SMALL MILLETS

1. FOXTAIL MILLET

Foxtail millet (*Setaria italica* L.) an annual grass plant, produces seeds that possess health-promoting properties owing to its unique protein composition containing a high content of essential amino acids. It is one of the earliest cultivated crops,



extensively grown in the arid and semi-arid regions of Asia and Africa, as well as in some other economically developed countries of the world where it is more commonly used as bird feed. Antinutrients like phytic acid and tannin present in this millet can be reduced to undetectable amounts by using the proper processing methods. Additionally, the millet is said to have antioxidant, low-glycemic index, and hypolipidemic properties.

2. BARNYARD MILLET

Barnyard millet (*Echinochloa crusgalli*, *E. colona*), is a short duration crop that can grow in adverse environmental conditions with almost no input and

can withstand various biotic and abiotic stresses. In addition to these agronomic advantages, the grains are valued for their high nutritional value and lower expense as compared to major cereals like rice, wheat, and maize. It contains a rich source of protein, carbohydrates, fiber, and, most notably, micronutrients



like iron (Fe) and zinc (Zn) that are related to numerous health benefits. All these features make barnyard millet an ideal supplementary crop for subsistence farmers and also as an alternate crop during the failure of monsoons in rice/major crop cultivating areas.

3. KODO MILLET

In India, Kodo millet (*Paspalum scrobiculatum*) grown mostly in the Deccan region and the cultivation extends to the foothills of Himalayas. Kodo millet is rich in dietary fiber and minerals like iron, antioxidant. The phosphorus content in kodo millet is lower than any other millet and its antioxidant potential is much

higher than any other millet and major cereals, higher amount of antioxidants helps against oxidative stress and maintain glucose concentrations in type-



2 diabetes. Kodo millet is useful in curing asthma, migraine, blood pressure, heart attack and atherosclerosis, diabetic heart disease and for postmenopausal in women.

4. PROSO MILLET

Proso-millet (*Panicum miliaceum L.*) is an underutilized crop which is highly



nutritious cereal grain used for human consumption, bird seed, and/or ethanol

production. Grains of proso millet are a rich source of vitamins (niacin, B-complex vitamins, folic acid), minerals (P, Ca, Zn, Fe) and essential amino acids (methionine and cysteine), starch, and phenolic compounds like antioxidants and betaglucans. Seeds also contain components with healing benefits, which decrease the level of low-density lipoprotein cholesterol in blood and injury to the liver and high lecithin content which supports the neural health system.

5. LITTLE MILLET

Little Millet (*Panicum miliare*) is one among the minor millets grown to a limited extent all over India up to altitudes of 2100 m. It is a relative of proso millet but the seeds of little millet are much smaller than proso millet. With their low carbohydrate content, slow digestibility and low water-soluble gum content.



The complex carbohydrates, phenolic compounds, antioxidant content present in them helps to prevent metabolic disorders like diabetes, cancer, obesity etc.

Pearl Millet (Bajra)

Sl. No.	Varieties	District	Special Features
1	ICTP-8203	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum.	70-80 days, Boldgrain, earlymaturing composite, resistantto blast & Ergot disease & droughttolerant
2	ICMV-221	Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum.	Open pollinated variety, High yielding compared to ICTP-8203, Earlymaturing (75-80 days) and Resistantto Ergot & Downeymildew diseases.

Sorghum

Sl. No.	Varieties	District	Special Features
1	CSH-5	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum.	110-115 days, stem will be green even after harvest of earheads which is useful for fodder.
2	DSV-5	Bidar, Gulbarga, Raichur.	130-135 days, resistant to charcoal rot disease.
3	CSH-14	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	High yielding, Early maturing hybrid.
4	CSH-16	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	100-115 days, variety used to replace CSH-9, susceptible to stem rot disease.
5	CSH-18	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	110-115 days, dual purpose hybrid.

Sl. No.	Varieties	District	Special Features
6	DSH-3	Dharwad, Belgaum, Haveri, Gadag.	Kharif Hybrid, 130 days, 25%> yield than CSH-5, Non lodging, good ratooning ability
7	DSH-4	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	High yielding Rabi hybrid, moderately resistant to charcoal rot & rust diseases.
8	DSV-1	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri.	High yielding, early maturing, suitable for scanty rainfall areas, Bold seeded.
9	DSV-2	Bidar, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	Dual purpose, bold grain, multiple disease resistant, it is ratoonable.
10	DSV-3	Dharwad, Belgaum, Haveri, Gadag.	Midge resistant, tolerant to sucking pests & foliar diseases.
11	DSV-4	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	High yielding, Charcoal rot resistant variety, suitable for Rabi season.
12	CSV-5	Davangere, Chitradurga, Tumkur, Hassan, Chikkamagalur Tumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag.	110-120 days, stem will be green even after harvest of earheads which is useful for fodder.
13	CSV-15	Bidar, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	High yielding over DSV-2, Dual & non lodging type, suitable for Kharif.

Sl. No.	Varieties	District	Special Features
14	M-35-1	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	125-130days, Resistant to shoot fly.
15	SSV-74	Bidar, Gulbarga, Raichur, Bagalkot, Bijapur, Bellary, Davangere, Koppal, Gadag, Dharwad, Belgaum, Haveri, Gadag.	115-120days, grown only for green fodder & also suitable for Ethanol production.

Ragi

Sl. No.	Varieties	District	Special Features
1	Indaf-5	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	High yielding variety, grown through out the year except winter months.
2	Indaf-8 (Chetana)	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	Resistant to Drought & Blast disease, Y: 50 q/ha. (RF)

Sl. No.	Varieties	District	Special Features
3	Indaf-7	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	Moderately tillering, non pigmented, prolific cock's combing, 115-120 days, good cooking quality, Y: 45- 50 q/ha.
4	Indaf-15	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	125-135 days, Grain colour brown, seed dormancy-1 and half months
5	Indaf-9	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	Pre monsoon variety, High vigour& resistant to cold conditions.
6	MR-1	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	Pre-monsoon &KharifRagi, 120-13 days, Tolerant to Drought, Y: 40 q/ha

Sl. No.	Varieties	District	Special Features
7	MR-6	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag,	120-125 days,
8	L-5	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	115-120 days
9	GPU-28	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga	Kharif season, 110-115 days, Resistant to Neck blast & blight disease
10	GPU-26	Davangere, Chitradurga, Tumkur, Hassan, ChikkamagalurTumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga.	Summer season, 110-115 days, Resistant to Neck blast & blight disease

Sl. No.	Varieties	District	Special Features
11	GPU-45	Davangere, Chitradurga, Tumkur, Hassan, Chikkamagalur, Tumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga.	Sown in all seasons, 110-115 days, Resistant to Neck blast & blight disease
12	GPU-48	Davangere, Chitradurga, Tumkur, Hassan, Chikkamagalur, Tumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga.	110-115 days, Resistant to Neck blast & blight disease
13	HR-911 (KBR-1)	Davangere, Chitradurga, Tumkur, Hassan, Chikkamagalur, Tumkur, Bangalore (Urban), Bangalore (Rural), Kolar, Chikkaballapur, Mysore, Chamarajanagar, Mandya, Shimoga, Belgaum, Dharwad, Haveri, Gadag, Uttar Kannada, Kodagu.	115-120 days, 20% > yield than Indaf-8, Moderately resistant to diseases, Y: 39 q/ha and fodder Yield: 85 q/ha

Proso Millets

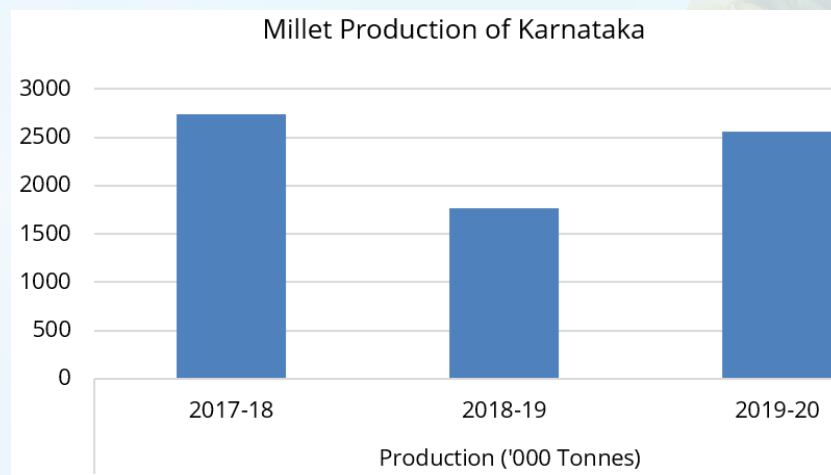
Sl. No.	Varieties	District	Special Features
1	GPUP-8	Belgaum, Haveri, Dharwad, Gadag.	Drought tolerant, high grain & fodder yield.

Barnyard

Sl. No.	Varieties	District	Special Features
1	RAU-11	-	High grain & fodder yield, 90 days, drought resistant, tolerant to shoot fly & smut.

02 MILLET PRODUCTION STATISTICS

Rajasthan, Maharashtra and Karnataka are the top most states of millets cultivation in the country with share of 34 percent, 24 percent and 13 percent to total millets area. Karnataka which contributes 14 percent to total production.



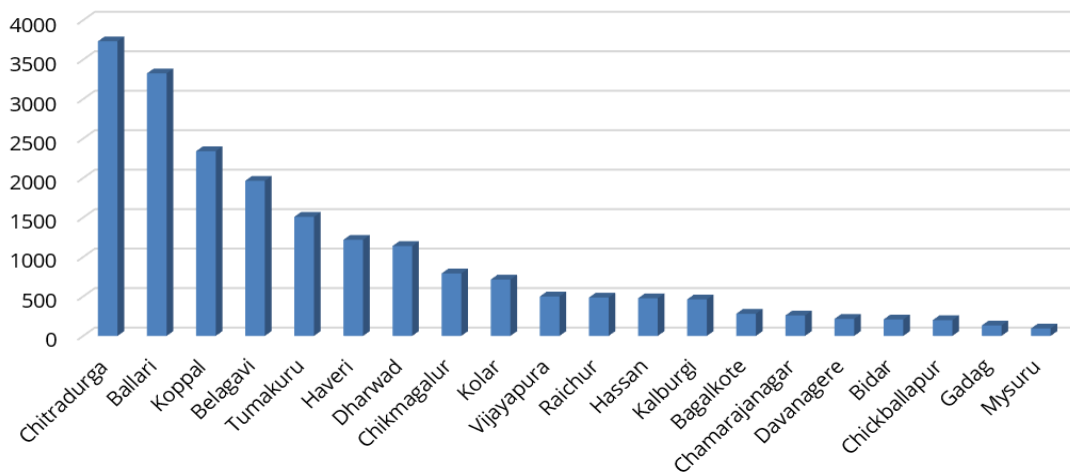
Area ('000 Hectares)			Production ('000 Tonnes)			Yield (Kg./Hectare)		
2017-18	2018-19	2019-20	2017-18	2018-19	2019-20	2017-18	2018-19	2019-20
2131	1673.71	1838.6	2739.07	1762.17	2555.6	1285	1053	1390

Production And Yield Of Millets In Karnataka For The Year 2020-21 (Area in Hectares, Production in Tonnes, Yield in Kgs/Hectare)

Sl. No	District Name	Area	Production	Yield
1	Bagalkote	313	281	899
2	Bengaluru - Urban	17	21	1224
3	Bengaluru - Rural	27	32	1200
4	Belagavi	1769	1965	1111
5	Ballari	5764	3326	577
6	Bidar	176	209	1186
7	Vijayapura	570	500	878
8	Chamarajanagar	222	259	1168

Sl. No	District Name	Area	Production	Yield
9	Chickballapur	193	200	1038
10	Chikmagalur	640	792	1238
11	Chitradurga	4305	3732	867
12	Dakshina Kannada	1	1	1289
13	Davanagere	285	216	759
14	Dharwad	741	1139	1537
15	Gadag	209	133	637
16	Kalburgi	459	463	1009
17	Hassan	415	477	1150
18	Haveri	853	1218	1428
19	Kodagu	2	3	1289
20	Kolar	571	714	1251
21	Koppal	5599	2340	418
22	Mandya	40	46	1141
23	Mysuru	80	94	1177
24	Raichur	885	486	549
25	Ramanagaram	51	62	1211
26	Shivamogga	36	43	1185
27	Tumakuru	1858	1509	812
28	Udupi	2	3	1289
29	Uttara Kannada	44	57	1289
30	Yadgir	109	77	711
State Total		26236	20400	778

Top 20 District Of Millet production of Karnataka 2020-21



Source: Area figures are reconciled with Revenue Dept, Agriculture Dept and Water Resources Departments.

03 VALUE ADDED PRODUCTS

3.1 Ready to Eat Products

Millet Cookies



Millet Jamun / Millet Laddu



3.2 Ready to Cook Products ●●●

Millet Upma / Millet Papad



04 STATE MISSION ON MILLETS

In order to promote production and marketing of Millets, the Government of Karnataka has established “**Millet Mission**” in the year 2017. Under this Mission, millets have been introduced in PDS in a limited scale. The Karnataka government has also been organizing awareness creation and promotion campaigns to sensitize all the stake holders, including healthcare providers, nutritionists, chefs, hoteliers, students, *etc.* in various places in the Bengaluru city as well as outside. The National Millets Fair organized in 2017 brought out the much needed common platform and interactive interface for all the stakeholders in millet production and consumption, especially connecting farmers to markets.

The Initiatives taken by the Government of Karnataka to promote millets is summarized below :

- ▲ Regular Trade Fairs & exhibitions in Millets for awareness creation, promotion and to establish linkages are being organized
- ▲ Millets- National Trade fair 2017 and International trade fair 2018 was organized to establish market linkages
- ▲ Strong customer base for millet products due to extensive consumer awareness programmes
- ▲ Around 128 millet marketers/traders/processors/exporters
- ▲ Bengaluru, the millet hub of India with over 400 exclusive organic & millet outlets, more than 400 corporate retail outlets and around 20 exclusive organic/millet restaurants
- ▲ Initiatives for Millets as “The Food of the Future” (incentive to farmers Rs.10,000/ha for cultivation of millets).

05 List of Farmers Producer Organizations (FPOs) of Millets

Sr No.	FPO Name	Address	Contact Details
1.	Sidlaghatta Sericulture Farmer's Producer Company Limited	Sidlaghatta Sericulture Farmer's Producer Company Limited, O/O The Assistant Director Of Sericulture, Chikkaballapura Road, Sidlaghatta, Chikkaballapura District Chikkaballapura Karnataka	Janardhana Murthy 9110489194 Hidlagattasericulturefpo@gmail.com
2.	Sri Ramalingeshwara Horticulture Farmer Producer Company Limited , Kanguvalli	Sri Ramalingeshwara Horticulture Farmer Producer Company Limited , 14, Kanguvalli, Hosadurga taluka Chitradurga Disctict Chitradurga Karnataka	Mounesh Achar 8970004229 Hosadurgafpo@gmail.com
3.	Panchanahalli Millets Farm Producers Company Ltd	Panchanahalli Millets Fpo., Basappa., Niduvalli Post Panchanahalli, Kadur Taluka Chikmagalur Pin : 577182 Chikmagalur Karnataka	Uday Kumar 7411696057 Panchanahalli.Fpc@gmail.com
4.	Srishaila Mallikarjuna Groundnut Fpcl	Srishaila Mallikarjun Groundnut Farmer Producer Company Mathigarahalli Molkalmuru Tq Chitrdurga 577529 Chitradurga Karnataka	Kolarappa 7892443716 Ssmpcmhalli@gmail.com

Sr No.	FPO Name	Address	Contact Details
5.	Hasanamba Agriculture Fpc	Hasanambha Krushi Belegarara Souhardha Sahakari Niyamita, Near Nittur Circle, At Nittur Hassan Taluk 573210 Hassan Karnataka	Shri K. N. Tejomurthy 9964401157 Hasanambhafpo@gmail.com
6.	Basaveshwara Fpc	Kulkarni Complex Near Buss top Huler 581126 Haveri Karnataka	Narayan Rao Patil, President Basaveshwarafpo@gmail.com
7.	Kaveri Rural Development Cooperative Society	Hediyala Nanjangud Taluk Mysore District Mysore Karnataka	Sri.Rachaiah 9164068871 Krdcsfpohed@gmail.com
8.	Doddamathali Fpcl	Doddamathalli, Mandaghatta, Ayanuru Hobli Shimoga-577211 Shimoga Karnataka	Naveen Kumar 6360664260 Doddamathalifpo2018@Gmail.C om
9.	Sri MarikambaFpo	Kadaranahalli Aregujjanahalli Grama panchayath Urdigere Hobli Tumkur Taluka 572140 Tumkur Karnataka	Krishna Murthy 9448306144 Srimarikambafpo@gmail.com
10.	Huthridurga Fpcl	Kempanahalli, Kadasinganahalli Main Road, Tumkur-562120 Tumkur Karnataka	Hemagiri Gowda 9606056095 Huthrifpc@gmail.com
11.	Swavalambhi Krushi Uthpadakara Abhivruddi Samsthe	Bukkapattana Post, Hobli Sira Taluk, Tumkur(Dt)- Tumkur Karnataka	Thipperudraiah B 9900330978 Swavalambifpobkp@gmail.com
12.	Tumkur Organic Farmer Producer Company Limited	Near Government 1st Grade College, Amarapura Road, Kallukote, Banashankari badavane, Sira, Tumkur-572137 Tumkur Karnataka	Ravikumara N 8073757384 Tumkurorganics2017@Gmail.Co m

Sr No.	FPO Name	Address	Contact Details
13.	Sira Taluk Fpcl	C/O Dhan Foundation Behind Manjusree Convent, Keshava Nagara Sira-572137 Tumkur Karnataka	Veerabhadrappa K 7349701418 Siratalukfpclimited@ gmail.com
14.	Shri Maruteshwara Fpcl	At: Bagalagudda, Post: Medikinal - 584 124, Tq: Maski, Dist: Raichur. Raichur Karnataka	Channabasayya 9972466892 Marutheshwarfpo.Bgd@ gmail.com
15.	Bhoosiri Millets Fpcl	Sangur Village & Post, Haveri Taluk And District-581148 Haveri Karnataka	Chandrakant Sangur 99450 78458 Bhoosirimillets@ gmail.com
16.	South India Natural Farm Pcl	C/O Leelavathi Chakote W/O Eshwarappa, Chakote, 9-1-401, K E B Road, J.P Smruti Nandi Colony, Bidar585401 Bidar Karnataka	Prashanth 9901520756 Southindianfpcbidar@ gmail.com
17.	Mahadeshwara Fpcl	28, Honderbalu Village & Panchayath, Kollegal(Tq) Chamarajnaragar-571440 Chamarajanagar Karnataka	Siddalinga Swamy 7090207549 Mahadeswarafpcl@ gmail.com
18.	Dhare Fpcl	48, Santhemarehally, Chamrajnaragar571315 Chamarajanagar Karnataka	Dg. Mallikarjuna Swamy 9916131574 Dharefpc@gmail.com
19.	Negila Yogi Formers Producer Company Ltd	Maraganukunte(V) Bagepalli (T) Chikkaballapur Karnataka	B.Anjanappa 8861846264 Negilayogifpobgp@ gmail.com
20.	Gudibanda Farmers Producer Company	169, Bichaganahalli, Gudibanda, Kolar561209 Chikkaballapur Karnataka	Srinivas 9964831415 Aparnabod@gmail.com

Sr No.	FPO Name	Address	Contact Details
21.	Negilayogi Fpc	Hanumantha Reddy Building, Omkareshwar Badavane, SecondCross, Jagalur Taluk.Cell.9945003780 Null Karnataka	Null 9945003780 Mohanadoggalli232@gmail.com
22.	Salugatta	Hunasekatte, Sira Taluk, Tumkur District Null Karnataka	Null 9449579016 Salugatte@gmail.com
23.	Nidaghatta Farmer Producer Company Ltd	Nidaghatta, Kadur Taluk, Chikkamagaluru Dt, Karnataka, India Chikmagalur Karnataka	Ramachandrappa Sb 9164924609 Sbr@Janaspandana.Or
24.	Suvarnamukhi Souharda Sahakari Niyamitha Badavanahalli,	Madhugiri Taluk, Tumkur District Null Karnataka	Null 9980303368 Suvarnamukhi.Fpo@gmail.Com
25.	Nidagal	Lingadahalli, Pavagada Taluk, Tumkur District Null Karnataka	Null 9742976388 Motherpavagada@gmail.com
26.	Tumkur (Kalapatharu) Oragnic Farmers Producer Company	Tumkur (Kalapatharu) Oragnic Farmers Producer Company manoja-vamdham, Near Kuvempu Circle. KuvempuNagara. Tumkur 572103 Null Karnataka	Null 8073757384 Aralagupperavi@gmail.com
27.	Jeevanadi Farmer Producer Company Limited	Begur Village, Begur Post, Ajjampura Tq. Chikkamagaluru Dist Null Karnataka	Null 9686466869 Guruswamimallesha@Gmail.Co

Sr No.	FPO Name	Address	Contact Details
28.	Janadhanya Farmers Producer Company Limited	Janadhanya Farmers Producer Company Limited Pipeline Road, Near Green House, Ranganatha Ext, Kanakapura Ramanagara Dist-562117 Null Karnataka	Null 9008549827 Shivakumar@vrutti.org
29.	Negila Yogi Formers Producer Company Ltd	-	9448523377
30.	Channakes-havaswamy Formers Producer Company Ltd	Chikkavenkataswamy Bulding, Thummanahalli, Thippenahalli Post, Sidlaghatta Taluk. Null Karnataka	Null 8971758300 Munirajua444@gmail.com
31.	Panchanahalli Millet Farm Producers Company Ltd.	Basappa, Niduvalli Post, Panchanahalli, KadurTq, Chikkamagaluru Dist.-577182	Mr. Mohan Mobile: 9481623909 Email:panchanahalli.fpc@gmail.com
32.	Davanagere & Chitradurga Regional Cooperative Organic Farmers' Association Federation Limited, Davanagere	Davanagere	Contact Person: Mr.Krupa, President Phone: 9945425506 E-Mail: omfdavanagere@gmail.com
33.	Hulsoor MahilaKisan Millet Producer Company Ltd.,	H No 4/102 R/o HulsoorTq Basavakalyan Bidar 585416	hulsoorfpc@gmail.com

List of New Entrepreneurs / Start Ups

Sr No.	Company Name	Address	Contact Details
1	M/s. Gaurishankar Food Industries	Shiggaon – 581205.	Ms. Shilpa mantagani Ph – 9591947855 Email - gaurishankarindsgv@gmail.com
2	Rural Good	No.203, Vyshnavi Towers, College Road, Kadugodi Bangalore – 560067.	Mr. Raj Kiran Ph – 9901981900
3	Basani Agro Innovations Pvt. Ltd.,	Bangalore.	Dr.Swarupa Rani Basani Ph - 9177001188 Email – swarupareddy.basani@gmail.com
4	Millet Home	Bangalore.	Ms. R. Vijayalaxmi Ph - 9611943009
5	Gayatri Industries	Hubli.	Mr. PrasannaKatti Ph – 9845971769 Email – gayatriindustries2122@gmail.com
6	Desi Viva Foods LLP	No.396, 7th Main, A Block Rajaji Nagar 2nd Stage Bangalore	Mr. Jagadish.B.S. Ph –9740994002 Email – bsjagadish@desivivafoods.in
7	Uttara Kannada District Regional Co-operative Organic Farmers Federation Ltd.,	PCRD Bank, 1st Floor, Beside TRC Bank APMC Yard, SIRSI.	Mr.K.V.Ganesh Ph - 9449779185
8	Nandi Farmer Producers Company Ltd.,	Kirange Taluk & District Gulbarga	Mr. Baskar Ph – 8088423123 Email – baskar@vrutti.org

Sr No.	Company Name	Address	Contact Details
9	Davanagere & Chitradurga Regional Co-operative Organic Farmers' Association Federation Ltd.,	Sy. No.12/1A/50/1, Khata No.50 Mialakatte, Harihara Davanagere 577002	Ph - 9008524914
10	Devara Hippargi Farmer Services Producer Company Ltd	Devarhippargi, Near Ambedkar Circle Sindagi, Bijapur Sindagi 586120.	Mr. BalaSubramaniam Ph - 7702220343 Email - info@alcindia.org

07 List of Exporters of Millets

Sl. No.	Name	Company	Product Type
1.	NISARGA ORGANIC AND MILLETS PRIVATE LIMITED	9663805231 Shibym1980@gmail.com	Raw Millets
2.	Mr. Jagadish Sri Mallikarjuna Traders	9448478450 Jagadish1368@gmail.com Jagadishshreemt@gmail.com	Raw Millets
3.	Mr. KashinathKoujalgi Annapurna Organic Dharwad	8722202143 Kashi889@gmail.com	Raw Millets
4.	Mr. Ravi Kumar M/S. Organic Sphere India Bangalore	Sudhi@B2bsphere.Com 9980573145 Ravi Rao Ravirao2707@gmail.com	Raw Millets
5.	Mr. Rakesh kumar agarwal M/s. Pushya foods private limited, Bangalore	9591999000 Rakeshgaru@gmail.com	Raw Millets
6.	Mr. Girish Kasat M/S. Ramkrishna Industries, Belgau	9058835294 Rgkmasa@gmail.com	Millet Grids/Maize Grids
7.	Mr. Prabhakar D S M/s. Sannidhi agro industries, Bangalore	9742921393 Smithadeviere28@gmail.com	Raw Millets Products Are Little Millet, Foxtail Millet, Brown Topmillet,

Sl. No.	Name	Company	Product Type
8.	Mr. B.a. srinivasa gupta M/s. Sri bhagyalakshmi commercial corporation Bangalore	9845095902 Sbcc@Sblfoods.Com	Raw Millets And Value Added Millet Products
9.	Mr. Ravichandra r banavat M/s. Ecoroots products llp	Ceo@Ecojivan.Com 7483589816	Raw Millets And Value Added Millet
10.	Mr.Vora M/S. Jay keshav exports Bangalore	9880884358 Mnk1970@gmail.com	Raw Millets
11.	Mr. Manjunath N Head - Operations M/S. Org Tree Bangalore	83100 95545 Nmanju@gmail.com Manjunath@Orgtree.In	Raw Millets And Value Added Millet
12.	Mr. U SudharshanMallya, Modern Industrial Corporation, Mangalore	Modernricemills@gmail.com 9886661514	Raw Millets
13.	Shree n.n. enterprises Mr. N v vinod kumar	Vinodkumarnn@gmail.com 9880353106	Raw Millets
14	Mr. Harish Jain CropsecureAgritechPvt. Ltd., Munirabad	9738108108 Harish.Jain@Cropsecure.Org	Organic Raw Millets And Value Added Millets
15	Mr.K.V.Reddappa President	Kolar &Chikkaballapur Dist. Regional Organic Farmers Co-Op. Federation 9483050005 / 9900891519 Omflrcbp2@gmail.com	

List of Exporters of Millets Value Added Products

Sl No.	Name	Company	Product Type
1.	Mr. Giri Urban millets private limited Mysore	7259111159 Vsgiri.Bit@gmail.com Giri@Urbanmillet.Com	Value Added Millet Instant Mixes
2.	Mr. Shiv Kumar Prakruthi Health Products, Bangalore	9343759758 Prakruthihealth@gmail.com	Value Added Millet Instant Health Mixes
3.	Mr. Manohar Phalada agro research foundations private limited	9449829534 MSG@PHALADAAGRO.COM Finance@Phaladaagro.Com	Value Added Millet Products
4.	Mr. Radhakrishna. I. Nidhi food products, dakshina kannada,	Ittigundi@gmail.com 9611470575	Value Added Millet Based Products
5.	Mr. Girish M/s. Purnashraddha private limited, Bangalore	88848 09911 Info@Purnashraddha.Com	Value Added Millet Based Products Like Organic Millets, Cold Pressed Oils
6.	Mr. Nagesh Siridhanya speciality foods pvt. Ltd., Bangalore	9902922155 9535168886 NAGESH@SIRIDHANYA.COM Rgfarmaexports@gmail.com	Value Added Millet Based Products Bernyard Millet, Brown Topmillet,
7	Dr. Mohan Kumar Rk Dhatu Organics And Naturals Pvt. Ltd., Mysore	Info@Dhatuorganics.Com 9845484733 9611287860	Value Added Millet Based Products
8	Mr. Raj Kiran Sn Rural Food, Bangalore	Rk@Ruralgood.In 9901981900	Value Added Infant Food In Millets
9	Kalpavruksha Food Industries Near S.R. Saw Mill, Kondegowdanadoddi, Harohalli, Ramanagar,	9916633266 / 9739400676	Value Added Millet Food Products, Organic Millet Food Products
10	Pagariya Food Products Pvt. Ltd., Bangalore	Dheeraj@Kwalityspices.Com 9844008757	Value Added Millet Flakes

08 List of Stakeholders / State Agencies

Sr No.	Organisation Name	Address	Contact Details
1	Karnataka State Department Of Agriculture	No. 1, Sheshadri Road, Bengaluru 560001 Karnataka	Phone: + 91 -80-22074111 / 22242746 / 22074101 E-Mail: organicsandmillets@gmail.Com
2	Industries & Commerce Department	Khanija Bhavan, Race Course Road, Bangalore 560001, Karnataka	Phone - +91 -80- 22375357 Email - officeofdiccommissioner@gmail.com
3	University of Agricultural Sciences Centre Of Excellence For Nutri-Cereals (Small Millets)	GKVK, Bengaluru- 560 065 Karnataka	Mob: +91-9901848985 Email: Suresha.Kb@gmail.com Sureshakb@Uasbangalore.Edu.in
4	Karnataka State Agricultural Produce Processing And Export Corporation Ltd. (KAPPEC)	No.17, General K.S. Thimayya Road (Richmond Road), Bengaluru - 560025, Karnataka	Phone: +91 -80-22271194 / 22243082 Email: Kappec1996@gmail.com
5	Visvesvaraya Trade Promotion Center (VTPC)	Kasturba Road, Bengaluru -560001. Karnataka	Phone: + 91-80-22860644, 94835 34444 vtpckarnataka@gmail.com



APEDA HEADQUARTER

Agricultural and Processed Food Products Export Development Authority

Ministry of commerce and industry, Govt of India

3rd Floor, NCUI Building 3, Siri Institutional Area, August Kranti Marg,
(Opp. Asiad Village), New Delhi - 110 016, India

Phone: 91-11-41486013, 20863919, 20867008, 20867007

E-mail: headq@apeda.gov.in | Web: www.apeda.gov.in

MUMBAI

Agricultural and Processed Food Products Export
Development Authority
4th Floor, Unit No. 3 & 4, Banking Complex Bldg. No.II,
Sector 19/A, Vashi New Mumbai-400705
Phone: +91- 022-27840949, 27845442, 27840350
Fax: +91- 022-27842273. E-mail: ravindra@apeda.gov.in

BENGALURU

Agricultural and Processed Food Products Export
Development Authority
1st Floor, Beeja Bhavan, Bellary Road, Hebbal, Bengaluru
- 560024. Phone: +91- 080 - 29731200, 080 - 29731206,
080-23419272. E-mail: ravindra@apeda.gov.in

KOLKATA

Agricultural and Processed Food Products Export
Development Authority
Mayukh Bhawan, 4th Floor, Bidhan Nagar (Salt Lake),
Kolkata - 700091 (W.B.), Landmark- Near Bikash Bhawan,
Salt Lake
Phone: +91- 033-23378363. Fax: +91- 033- 40669291
E-mail: sandeep@apeda.gov.in

TELANGANA

Agricultural and Processed Food Products Export
Development Authority
Room No. 908, 9th Floor, C.G.O. Towers, Kavadiguda,
Secunderabad - 500080
Phone: +91- 040-24745940, 2474594
E-mail: udharmarao@apeda.gov.in

GUWAHATI

Agricultural and Processed Food Products Export
Development Authority
Housefed Complex, West End Block Building, 4th Floor,
Beltola-Basistha Road, Dispur, Guwahati,
Pin - 781006, Assam. Phone: +91- 0361-2221485
E-mail: sunita@apeda.gov.in

AHMEDABAD

Agricultural and Processed Food Products Export
Development Authority
Mardia Plaza, A-wing, 6th floor, CG Road, Near National
Handloom Corporation, Ahmedabad, Gujarat
Pin: 380006. Phone: 079 - 35333479
E-mail: harpreet@apeda.gov.in, apedaahm@apeda.gov.in

VARANASI

Agricultural and Processed Food Products Export
Development Authority
Horticulture Compound, Near Collectorate, Infront of
Circuit House Kuchahari, Varanasi, 221002. Phone: +91-
0542-2979288
E-mail: cbsingh@apeda.gov.in, povaranasi@apeda.gov.in

CHANDIGARH

Agricultural and Processed Food Products Export
Development Authority
Plot No. 2A, Sector 28-A, Madhya Marg
Chandigarh-160002
Phone: +91- 0172- 4640128
E-mail: csdudeja@apeda.gov.in, apedachd@apeda.gov.in

BHOPAL

Agricultural and Processed Food Products Export
Development Authority
26, Kisan Bhawan, Arera Hills, Bhopal, Madhya Pradesh-
462011. Phone: +91- 0755-4700764
E-mail: saurav@apeda.gov.in, apedabho@apeda.gov.in

CHENNAI

Agricultural and Processed Food Products Export
Development Authority
IIND FLOOR, Tamil Nadu State Marketing Board Building;
CIPET, Thiru Vi Ka Industrial Estate GUINDY CHENNAI-
600032. Phone: +044-29500249
E-mail: shobana@apeda.gov.in

KOCHI

Agricultural and Processed Food Products Export
Development Authority
Room No. 4 C, 4th Floor, 'Sugandha Bhavan', Office of
Spices Board, N.H.By Pass, Palarivattom. P.O Kochi-
682025, Kerala, India. Phone: +91- 11-20863871
E-mail: simi@apeda.gov.in, apedakochi@apeda.gov.in

JAMMU


Agricultural and Processed Food Products Export
Development Authority
1st Floor, Room No. 3 & 4, Agriculture Extension Building
(Directorate of Agriculture) Gole Pully, Talab Tillo,
Jammu-180002. UT of Jammu and Kashmir
Phone: +91-0191-2955645
E-mail: dprasad@apeda.gov.in, apedajammu@gmail.com

LADAKH

Agricultural and Processed Food Products Export
Development Authority
District Industries Centre Leh, Near District Court,
Skampari, Leh 194101. UT of Ladakh. Phone: +91-11-
49076237
E-mail: dprasad@apeda.gov.in, apedaladakh@gmail.com



Agricultural and Processed Food Products
Export Development Authority
Ministry of Commerce and Industry, Govt of India

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