

Situational Analysis of Sorghum (Jowar)



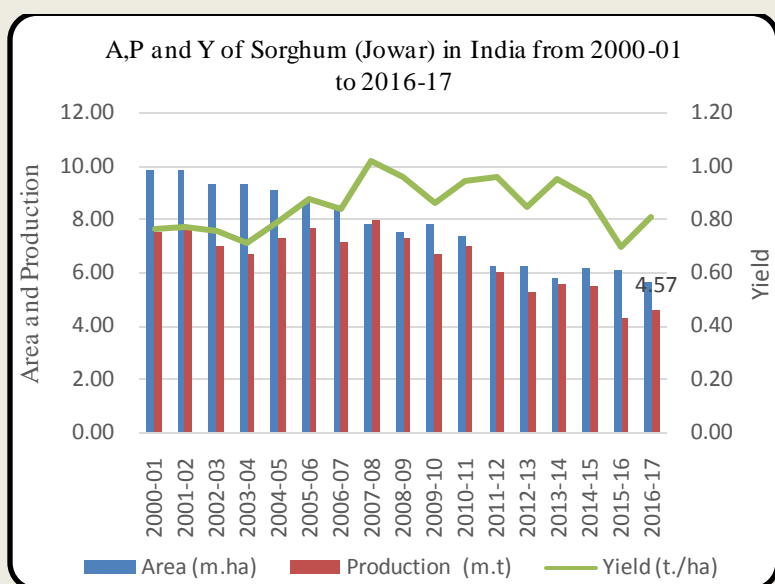
Commodity Outlook Situational Analysis (Centre for M &E)
National Institute of Agricultural Extension Management (Hyderabad)

Major Producing states of sorghum (Jowar) in India

1. Karnataka
2. Madhya Pradesh
3. Maharashtra
4. Rajasthan
5. Tamil Nadu

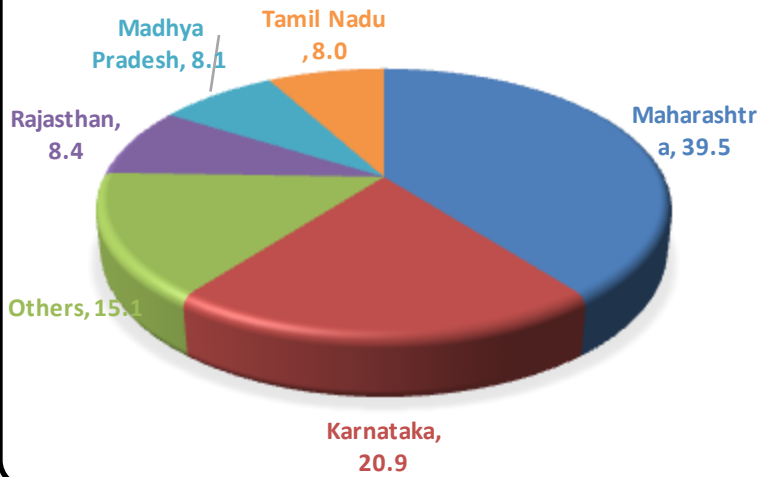
Area, production and yield of Sorghum (Jowar) in major cultivating states in India (TE2016-17)

States	Area (m.ha)	Production (m.t)	Yield (t./ha)	Share in total area (%)	Share in total production (%)	Growth from 2000-01 to 2016-17		
						Area	Production	Yield
Karnataka	1.03	0.99	0.96	17.35	20.88	-3.89	-1.58	2.31
Madhya Pradesh	0.22	0.39	1.80	3.61	8.11	-8.31	-2.96	5.35
Maharashtra	3.19	1.88	0.59	53.50	39.52	-3.64	-5.17	-1.53
Rajasthan	0.62	0.40	0.64	10.48	8.41	-0.03	5.78	5.81
Tamil Nadu	0.32	0.38	1.14	5.35	7.96	-1.48	1.15	-4.80
All India	5.95	4.75	0.80	100.00	100.00	-3.79	-3.11	0.68



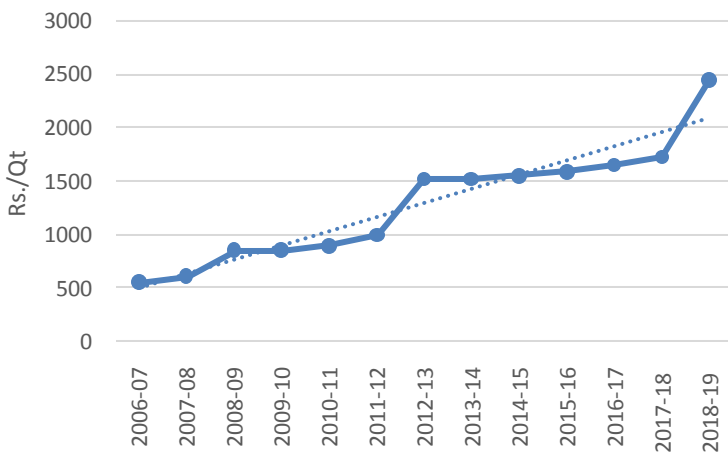
- In India, area under sorghum (Jowar) cultivation is around 5.62 million ha with the production of 4.57 million MT and yield of 0.81 t/ha.
- Area under of sorghum (Jowar) cultivation showed a steady decreasing trend over last two decades with marginal degree of fluctuations. Major producing states (Maharashtra, M.P, Karnataka, Rajasthan, and Tamil Nadu) recorded negative growth in area.
- Yield levels of sorghum (Jowar) indicated fluctuating trends from 2000-01 to 2016-17. Lowest (0.72 t/ha) yield was recorded in 2003-04 and highest (1.02 t/ha) in 2007-08.
- Production of sorghum (Jowar) also declined due to decline in area under cultivation particularly after 2007-08. Production was 7.93 million MT in 2007-08 and declined to 4.57 million MT in 2016-17.

Share Of States In Sorghum (Jowar) Production In TE 2016-17



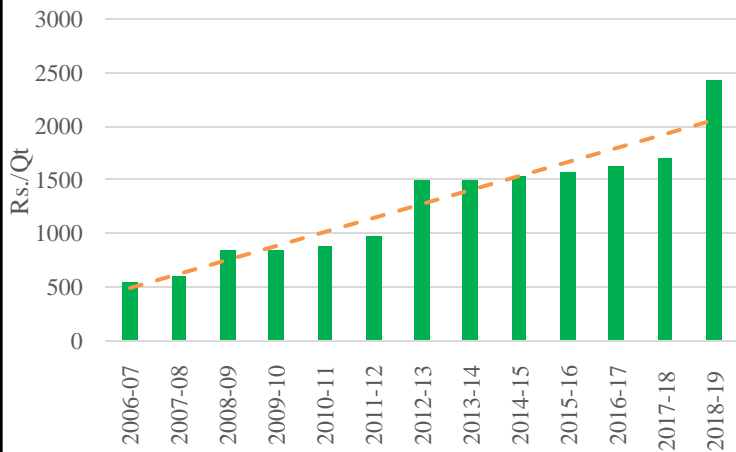
- Sorghum (Jowar) is mainly produced in Maharashtra (39.5%), followed by Karnataka (20.9%), Rajasthan (8.4%), Madhya Pradesh (8.1%) and Tamil Nadu (8 %) together constituting more than 80 percent of sorghum (Jowar) production.
- Production of sorghum recorded the negative growth in major producing states (Maharashtra, Karnataka).
- Growth rate in Maharashtra (-5.17 %) and Karnataka (-1.58%) was negative during 2000-01 to 2016-17.

Trends in MSP of Jowar (Maldandi) (Rs./Qt)



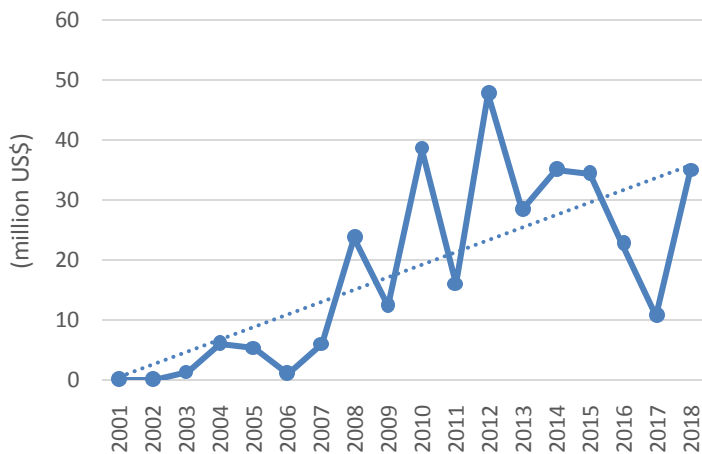
- MSP of Jowar (Maldandi) announced during 2018-19 was Rs. 2450 per quintal which is Rs. 725 more as compared to the MSP in 2017-18.
- From 2006-07, there is a steady increasing trend in the MSP till 2012-13, but MSP remained almost same during 2012-13 to 2016-17.
- During 2006-07 to 2018-19, MSP of Jowar (Maldandi) considerably increased and incremental amount was Rs.1895.

Trends in MSP of Jowar (Hybrid)
(Rs./Qt)



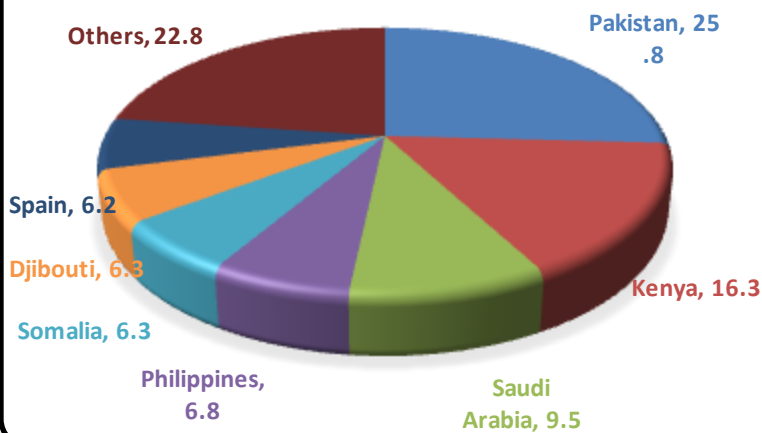
- MSP of Jowar (Hybrid) announced during 2018-19 was Rs. 2430 per quintal which is Rs. 730 more as compared to the MSP in 2017-18.
- From 2009-10, there is an increasing trend in the MSP of Jowar (Hybrid) announced by the Govt. of India.
- Between 2006-07 and 2018-19, MSP of sorghum (Jowar) increased by Rs.1890

Year-wise India's Sorghum (Jowar) Export from 2001 to 2018 (Million US\$)



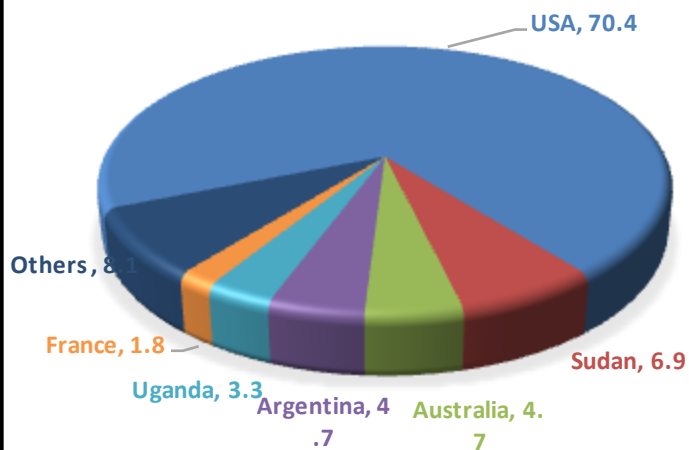
- Export of Sorghum (Jowar) witnessed increasing trends with high degree of fluctuation over the last two decades.
- From 2008 to 2014, export of Sorghum (Jowar) ups and down in alternate year.
- In 2001 value of export was just US\$ 0.059 million and increased to US\$ 34.86 million in 2018. Highest export of sorghum(Jowar) was recorded in the year 2012 of US\$ 47.7 million.

**Major Importing Countries of Sorghum (Jowar)
From India in 2018**



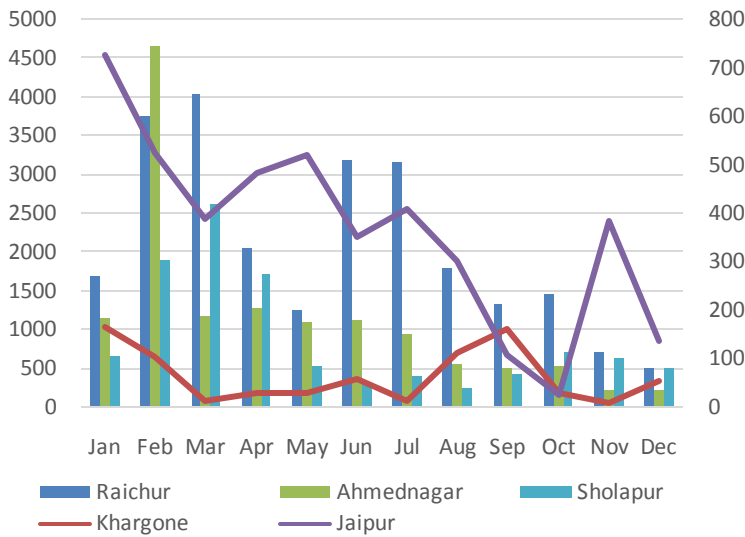
- India exports sorghum (Jowar) to about 55 countries of the world.
- India exports sorghum (Jowar) mostly to Pakistan (25.8 %), followed by Kenya (16.3 %), Saudi Arabia (9.5 %), Philippines (6.8 %) and Somalia (6.3 %).
- China, Ethiopia, Japan, Mexico and South Sudan are the major importer of sorghum (Jowar) in the world, but they are not major export destination of sorghum from India.

Share In World's Sorghum(jowar) Export in 2017



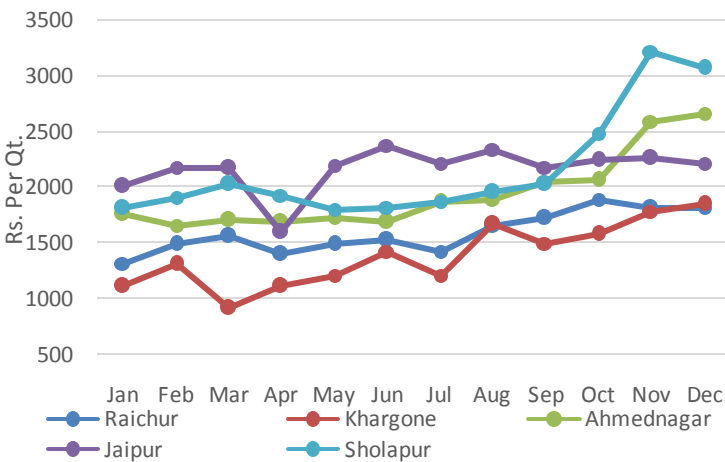
- Value of world total sorghum (Jowar) exports was US\$ 1529.03 million in 2017.
- USA ranks first in the world by constituting 70.4 percent share in global sorghum (Jowar) exports (2017). The other major sorghum exporting countries are Sudan (6.9 %), Australia (4.7%), Argentina (4.7%) and Uganda (3.3%).

Month wise Arrival (in Qt.) of Sorghum (Jowar)in Major Markets in 2018



- In Raichur market, arrivals were high in February and March thereafter arrivals declined in April and May but again increased in June and July. Again, arrivals went down rest of the month and reached at lowest level in December.
- In Ahmad Nagar, arrivals showed a decreasing trends from February to December. Highest arrivals was in February.
- Arrivals of sorghum recorded increasing trends in from January to March, thereafter declined till August. A slight increment in has been registered in during August to December.
- In Jaipur market, arrivals of sorghum (Jowar) was high in January but declined in the subsequent month and reached at very low level in October. Further, arrivals spurt in November.
- Arrivals was low in Khargone and Jaipur markets as compared to other markets. Peak arrivals was registered in the starting month of the year.

Month wise Price (Per Qt.) of Rice in Major Markets in 2018



- In all five markets (Raichur, Khargone, Ahmadabad, Jaipur and Sholapur) prices of shorghum (Jowar) showed slightly increasing trends with certain degree of fluctuations.
- Prices were low in Raichur and Khargone markets as compared to other major markets.
- Prices were low in the markets where arrivals were high.
- Prices were lowest in the peak arrival month i.e. February and March.
- November and December are the best month to sell sorghum (Jowar) to get good prices.

Data Sources

<https://eands.dacnet.nic.in/>

<http://agmarknet.gov.in/>

<http://www.intracen.org/itc/market-info-tools/trade-statistics/>