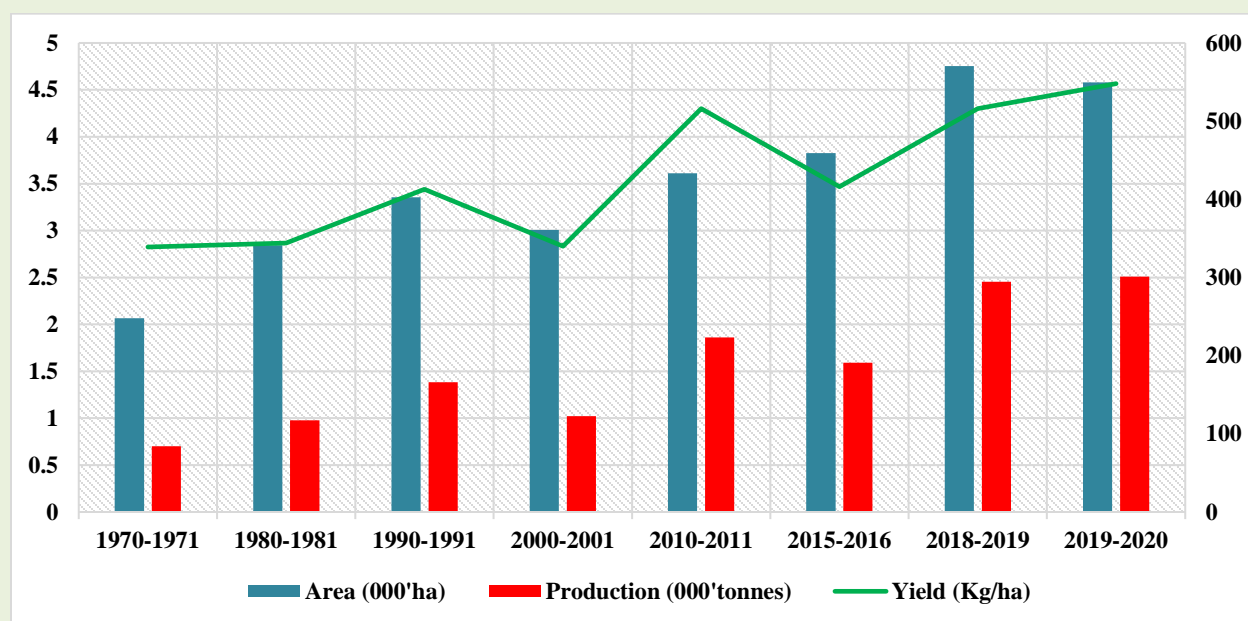


## GREENGRAM OUTLOOK REPORT – January to May 2021

Greengram scientifically known as *Vigna radiata* is a plant species in the legume family and commonly called as mung bean, moong in India. India is its primary origin and is mainly cultivated in East Asia, Southeast Asia and the Indian subcontinent. It is the third important pulse crop of India grown in nearly 16 per cent of the total pulse area of the country. It contains protein rich seed with 20-25 % protein and sometimes plants are cut and ploughed into the soil to enrich soil nitrogen.

**Figure 1: Area, production and yield of moong in India.**



Source: [www.indiastat.com](http://www.indiastat.com)

India is the major producer of green gram in the world and grown in almost all the States. It is grown in about 4.5 million hectares with the total production of 2.5 million tonnes with a productivity of 548 kg/ha and contributing 10 % to the total pulse production. According to Government of India 3rd advance estimates, greengram production in 2020-21 is at 2.64 million tonnes.

As per some private sources, the data collected is compiled in Table 1. In the marketing year 2020-21, the consumption of Greengram was 22.5 lakh tonnes against the production of 21.42 lakh tonnes with the rest of the demand-supply gap was covered by importing around 1.08 lakh tonnes along with the opening stocks 2.10 lakh tonnes.

**Table 1: Balance sheet of greengram (in lakh tonnes)**

Marketing Year (March to February)	2019-20	2020-21*
Opening stocks	5.52	2.10
Production	<b>19.06</b>	<b>21.42</b>
Imports	<b>0.59</b>	<b>1.65</b>
Total Supply	25.17	25.17
Exports	0.07	0.1
Consumption	<b>23</b>	<b>22.5</b>
Ending stocks	2.10	2.57

Source: Agriwatch \* Advance Estimates

**Table 2: Area, production and Yield of major producing states of greengram in India**

States	2000-01		2010-11		2015-16		2018-19		
	A	P	A	P	A	P	A	P	Y
Andhra Pradesh	520	184	167	52	212	137	121	84.71	700
Bihar	187	108	172	104	169.2	94.4	169.63	118.45	698
Karnataka	451	185	402	111	348	43.9	421.04	142.57	339
Madhya Pradesh	90	23	99	35	295	131.2	291	280.25	963
Maharashtra	714	244	558	374	366	69	481.1	203.79	424
Rajasthan	458	79	1050	653	1364	596.9	2466.78	1222.23	495

Source: www.indiastat.com Area-000'ha Production -000'tonnes Yield-kg/ha

The table 2 represents the important greengram producing states in the country are Rajasthan, Maharashtra, Andhra Pradesh, Madhya Pradesh and Bihar. Andhra Pradesh ranks 6<sup>th</sup> in greengram production with 0.83 lakh tonnes under an area of 1.13 lakh ha with productivity of 735 kg/ha according to third advance estimates of 2020-21. (DES, AP).

Rajasthan and Madhya Pradesh states showed an increased in the area grown over the two decades while the states Andhra Pradesh, Bihar, Karnataka and Maharashtra showed an decreased area grown over two decades. The reason behind the decline in greengram production is that the improved irrigation facilities, which allows to grow-intensive crops such as rice and wheat. So, the government is incentivizing MSP of greengram which increased from Rs. 4350 in 2014-15 to Rs. 6000 in 2020-21.

**Table 3: Procurement of greengram under Price Support Scheme (PSS)**

Commodity /year	Support price (Rs per quintal for FAQ)	Quantity procured in tonnes	Value in lakhs	Major states of procurement
2016-17	5225	9496.71	4962.03	Karnataka and Maharashtra
2017-18	5575 (Kharif) and 5225 (Rabi)	407309	223141	Andhra Pradesh, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan and Telangana
2018-19	6975 (Kharif) and 5575 (Rabi)	306960	213506	Andhra Pradesh, Gujarat, Haryana, Karnataka, Madhya Pradesh, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana
2019-20*	7050 (Kharif) and 6975 (Rabi)	164912	116067	Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Odisha, Rajasthan, Tamil Nadu and Telangana

Source: Department of Agriculture, Cooperation & Farmers Welfare

\* As on 07.01.2020, 'FAQ: Fair and Average Quality

**Table 4: Area, production and yield of greengram before and after bifurcation of Andhra Pradesh**

Before Bifurcation		After Bifurcation			
2012-13		2015-16		2020-21	
AP	India	AP	India	AP	India
<b>Area (in '000 Ha)</b>					
278 (10.22%)	2720	211 (18.14%)	3828	113 (2.71%)	4163
<b>Production (in '000 tonnes)</b>					
194 (16.30%)	1190	137 (11.60%)	1590	77 (2.94%)	2620
<b>Yield in Kg/Hectare</b>					
900	436	648	416	735	629

Source: [agricoop.nic.in](http://agricoop.nic.in) – 2020-21, [des.gov.in](http://des.gov.in) 2012-13, 2015-16.

The contribution of Greengram acreage in Andhra Pradesh before bifurcation was 10 per cent to total Greengram production of India and after bifurcation, it was 2.71 per cent which in 2020-21. The productivity has decreased from 900 kg/ha to 735 kg/ha.

**Table 4: Major greengram producing districts in Andhra Pradesh (2019-20)**

District	Area ('000 hectares)	Position	Production ('000 tonnes)	Position	Yield (Kg/ha)	Position
<b>Guntur</b>	22	2	30	1	1339	1
<b>Srikakulam</b>	27	1	14	2	529	6
<b>Vijayanagaram</b>	13	3	9	3	719	5
<b>West Godavri</b>	7	5	9	4	1199	2
<b>East Godavari</b>	9	4	7	5	751	4
<b>Krishna</b>	6	6	6	6	976	3
<b>Other districts</b>	<b>23</b>		<b>11</b>		<b>-</b>	
<b>Andhra Pradesh</b>	<b>107</b>		<b>86</b>		<b>806</b>	

Source: [apagrisnet.gov.in](http://apagrisnet.gov.in)

The highest acreage of greengram is grown in Srikakulam district as the farmers in this region practice paddy followed by greengram and its soil is best suited for greengram cultivation followed by Guntur, Vijayanagaram, East Godavari, West Godavari and Krishna. While Guntur ranks highest in production of greengram with highest productivity of 1339 kg/ha higher than the state average (806 Kg/ha). These six districts together contribute 87.2 per cent to the total greengram production in Andhra Pradesh.

**Figure 2: Average monthly prices of greengram from May 2020 to 2021 in Andhra Pradesh**

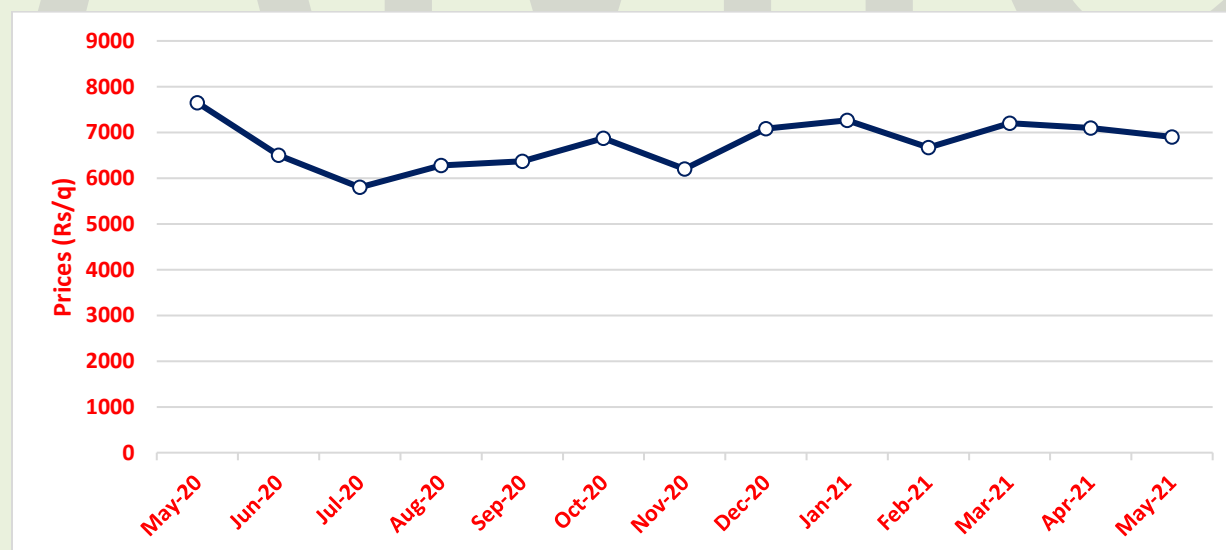


Figure 2 explains the average monthly prices of greengram in Andhra Pradesh from May 2020 to May 2021. As per some private sources states that the Ministry of Agriculture & Farmers Welfare has decided to distribute 4,73,295 mini kits for moong having a productivity of

10 quintal per ha in the inter-cropping farming. As per May 2021 Harvesting of the summer moong has started getting momentum and the quality of the grains is very good. Market is expected to trade weak in May 2021 due to arrival in markets starts from summer crop and weak demand is seen in market.

Arrival from the rabi crop is decreasing and the crop condition of moong in Odisha, Madhya Pradesh, Andhra Pradesh and Tamil Nadu & Bihar is normal to good. However, arrivals in markets are unlikely to increase due to the ongoing lockdown. Stocks of the new moong will continue to accumulate in the farmer's storage. The area under the summer moong is higher by 65% this year to 11 lakh ha. So, the prices are expected to come down and may drop below MSP, once the trade returns to a normal level and the market resume normal functioning.

Under these circumstances, the AMIC, ANGRAU forecasts price around Rs. 6550-6900 for greengram in the coming months of 2021.

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