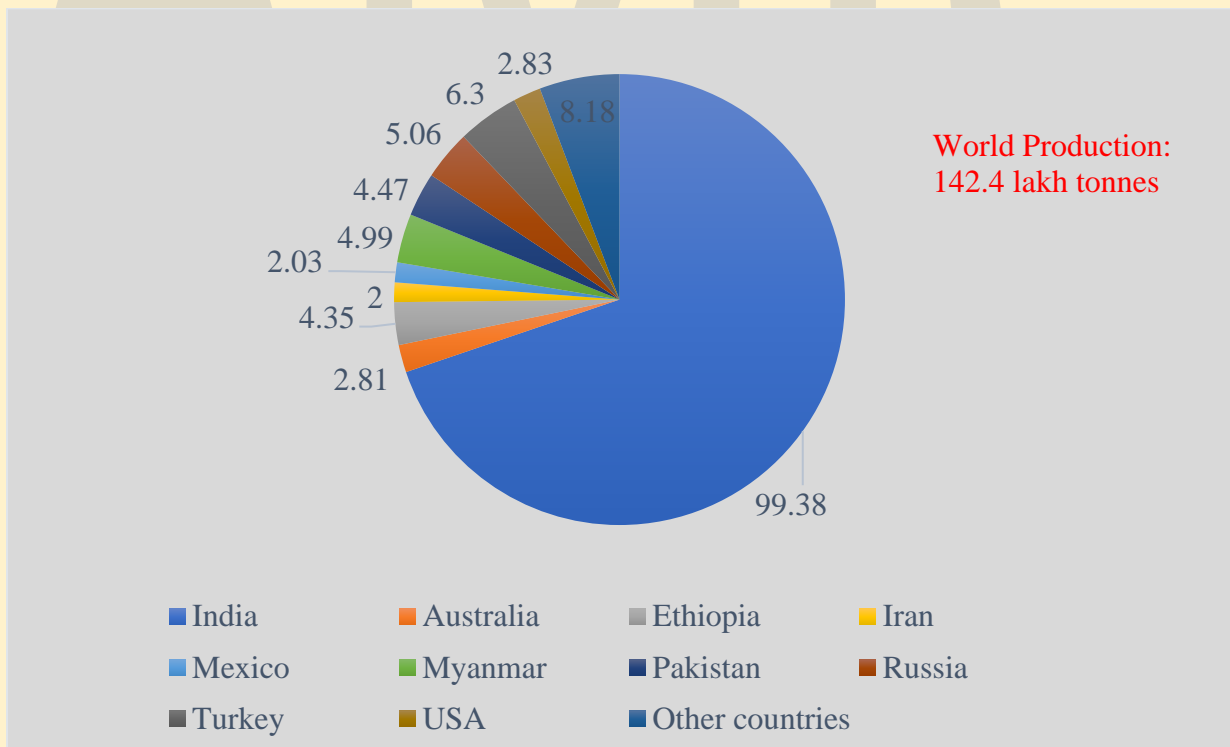


## BENGALGRAM OUTLOOK REPORT – January to December 2020

The Bengalgram or chick pea or gram is an annual legume belongs to the family Fabaceae. It is said to be one of the oldest pulses known and cultivated in Asia and Europe. The centre of origin of bengalgram is stated to be eastern Mediterranean, but its probable place of origin lies in Southwestern Asia. Globally, bengalgram is grown in an area of 137 lakh hectares with a production of 142.4 lakh tonnes and productivity of 1038 kg/ha (FAO STAT, 2019). India contributes 70 per cent of total world bengalgram production and ranks first globally with 99.3 lakh tonnes cultivated under 95.4 lakh hectares with productivity of 1041 kg/hectare. India is the largest producer of world gram production followed by Australia, Myanmar and Ethiopia (FAO STAT, 2019). In India, bengalgram takes first position in total pulse production followed by Black gram. Andhra Pradesh produces 5.66 lakh tonnes in an area of 4.65 lakh hectares with 1218 kg/hectare productivity in 2020-21. (Third Advance Estimates, 2020-21, DES-AP).

**Figure 1: India’s position in production (lakh tonnes) of Bengalgram in the World during 2019**



Source: FAOSTAT, 2019

**Table 1: Supply and Demand of Bengalgram (in lakh tonnes)**

| Particulars   | 2019-20 | 2020-21* |
|---------------|---------|----------|
| Opening Stock | 16.8    | 18.22    |
| Production    | 95.17   | 106.51   |
| Import        | 3.5     | 2.5      |
| Total Supply  | 115.5   | 127.23   |
| Exports       | 1.75    | 2        |
| Consumption   | 95.5    | 99.5     |
| Total Demand  | 97.25   | 101.5    |
| Ending Stock  | 18.22   | 25.73    |

\*Forecast, Source: [www.agriwatch.com](http://www.agriwatch.com)

As per some private sources, the data given in Table 1 depicts that the production has increased from 95.17 lakh tonnes in 2019-20 to 106.51 in 2020-21 and observing at the demand-supply scenario, the demand (101.5 lakh tonnes) for bengalgram can be easily met by the total supply (127.23 lakh tonnes).

**Table 2: Major producing states of Bengalgram in India (Area in '000 ha, production in '000 tonnes and productivity in kg/ha)**

| States         | 1990-91     |             | 2000-01     |             | 2010-11     |             | 2018-19     |             |             |          |
|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------|
|                | A           | P           | A           | P           | A           | P           | A           | P           | Y           | Rank     |
| Madhya Pradesh | 2462        | 1892        | 1978        | 1620        | 3112        | 2687        | 3103        | 3997        | 1288        | 1        |
| Rajasthan      | 1653        | 1011        | 673         | 397         | 1783        | 1601        | 1597        | 1839        | 1152        | 2        |
| Maharashtra    | 673         | 358         | 676         | 351         | 1438        | 1300        | 1694        | 1397        | 825         | 3        |
| Uttar Pradesh  | 1275        | 1122        | 833         | 703         | 570         | 530         | 572         | 728         | 1272        | 4        |
| Karnataka      | 230         | 69          | 370         | 239         | 959         | 631         | 1129        | 574         | 509         | 5        |
| Andhra Pradesh | 88          | 57          | 201         | 229         | 584         | 720         | 478         | 243         | 508         | 6        |
| Other states   | 1140        | 847         | 454         | 316         | 849         | 900         | 973.8       | 1160        | 1191        | -        |
| <b>India</b>   | <b>7521</b> | <b>5356</b> | <b>5185</b> | <b>3855</b> | <b>9186</b> | <b>8221</b> | <b>9547</b> | <b>9938</b> | <b>1041</b> | <b>-</b> |

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

Table 2 shows the bengalgram producing states in India with Madhya Pradesh ranking first in production of 39.97 lakh tonnes followed by Rajasthan (18.39 lakh tonnes), Maharashtra (13.97 lakh tonnes), Uttar Pradesh (7.28 lakh tonnes) and Karnataka (5.74 lakh tonnes) . Andhra Pradesh ranks 6<sup>th</sup> in production of bengalgram with 5.08 lakh tonnes.

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

| Commodity/year | Support price (Rs per quintal for FAQ) | Quantity procured in tonnes | Value in million | Major states of procurement   |
|----------------|--|-----------------------------|------------------|---|
| 2018-19        | 4400                                   | 2769430                     | 1218549          | Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh and Telangana           |
| 2019-20*       | 4620                                   | 776406                      | 358699           | Andhra Pradesh, Harayana, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Rajasthan, Uttar Pradesh and Telangana |

\* as on 07.01.2020 'FAQ: Fair and Average Quality

Source: Department of Agriculture, Cooperation & Farmers Welfare

The procurement of bengalgram under Price Support Scheme is presented in Table 3. In 2018-19, a total of 27.69 lakh tonnes was procured at a price of Rs. 4400 per quintal and in 2019-20, a total of 7.76 tonnes was procured at a price of Rs. 4620 per quintal which has a value of Rs. 358699 million.

**Table 4: Comparison of area, production of Bengalgram in Andhra Pradesh**

| Year     | Area ('000 ha) | Production('000 tonnes) | Yield (Kg/ha) |
|----------|----------------|-------------------------|---------------|
| 2010-11  | 584            | 720                     | 1204          |
| 2015-16  | 471            | 500                     | 1062          |
| 2018-19  | 478            | 243                     | 508           |
| 2019-20  | 459            | 559                     | 1218          |
| 2020-21* | 465            | 566                     | 1217          |

\*Third Advance Estimates, 2020-21. Source: Indiastat, apgrisnet for 2020-21

The details of the comparison of area and production of bengalgram before and after bifurcation of Andhra Pradesh have been given in Table 4. It is observed that area declined from 5.84 lakh hectares to 4.65 lakh hectares and production declined from 7.20 lakh tonnes to 5.66 lakh tonnes from 2010-11 to 2020-21. Even though the area and production declined the productivity had slightly increased with the available area.

Inter-district comparison of Andhra Pradesh for bengalgram (2019-20) is shown in Table 5. We can observe that Kurnool district ranks 1<sup>st</sup> in both area and production. Among 13 districts of Andhra Pradesh, 6 six districts namely Kurnool, Prakasam, YSR Kadapa, Ananthapuram, Guntur, Nellore and Krishna covered 99 per cent of area and production under bengalgram in 2019-20.

**Table 5: Inter-District Comparison area, production, productivity of Bengalgram in Andhra Pradesh (2019-20)**

| Major Districts       | Area (in '000 ha) | Rank | Production (in '000 tonnes) | Rank | Yield (kg/ha) | Rank |
|-----------------------|-------------------|------|-----------------------------|------|---------------|------|
| Kurnool               | 156               | 1    | 199                         | 1    | 1273          | 5    |
| Prakasam              | 86                | 4    | 121                         | 2    | 1401          | 3    |
| YSR Kadapa            | 91                | 3    | 116                         | 3    | 1278          | 4    |
| Ananthapuram          | 92                | 2    | 71                          | 4    | 767           | 7    |
| Guntur                | 17                | 5    | 28                          | 5    | 1684          | 2    |
| Nellore               | 11                | 6    | 13                          | 6    | 1179          | 6    |
| Krishna               | 4                 | 7    | 8                           | 7    | 2185          | 1    |
| Other districts       | 2                 |      | 3                           |      | -             |      |
| <b>Andhra Pradesh</b> | <b>459</b>        |      | <b>559</b>                  |      | <b>1218</b>   |      |

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

The results in Table 6 and Figure 2 shows the seasonal indices of bengalgram arrivals and prices in major markets of Kurnool district (Kurnool and Yemmiganur).

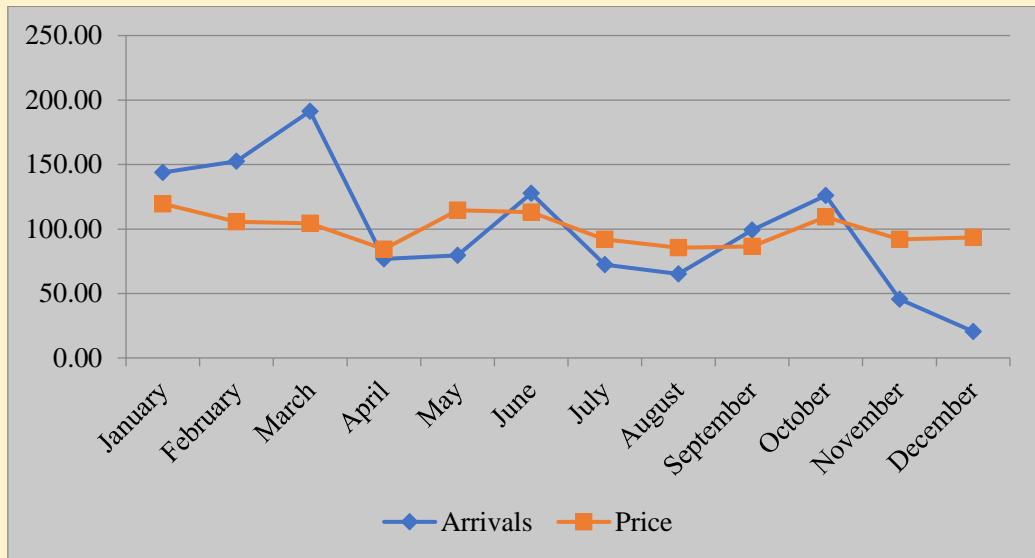
**Table 6: Seasonal Indices of Arrivals and Prices of Bengalgram at major markets in Kurnool district between 2015 to 2020**

| Months    | Arrivals | Prices |
|-----------|----------|--------|
| January   | 143.94   | 119.59 |
| February  | 152.42   | 105.70 |
| March     | 191.32   | 104.24 |
| April     | 76.81    | 84.34  |
| May       | 79.42    | 114.53 |
| June      | 127.64   | 112.95 |
| July      | 72.26    | 91.97  |
| August    | 65.01    | 85.45  |
| September | 99.23    | 86.42  |
| October   | 125.86   | 109.33 |
| November  | 45.57    | 91.99  |
| December  | 20.53    | 93.49  |

Source: Data obtained from Kurnool and Yemmiganur AMCs

As the crop sown is higher by 14-15 % this year (with 115-116 lakh ha of area coverage) bumper production condition is clearly visible in 2020. Burden of old crop almost lightened due to government purchases and free distribution through Public Distribution Service (PDS). NAFED has procured 51.50 lakh tonne bengalgram in the year on MSP in different states. Good demand for daal and active buying by millers have continued and pushed bengalgram prices in domestic markets. The average Indian market prices of bengalgram increased from Rs. 4392 in January to Rs. 4750 in December. In October, the average price was high with Rs. 5382.

**Figure 2: Seasonal indices of arrivals and price of bengalgram from 2015-20**



*Source: Data obtained from Kurnool and Yemmiganur AMCs*

Under these circumstances, the Agricultural Market Intelligence Centre, ANGRAU expect that bengalgram is likely to trade in the price range between Rs. 4800 to Rs. 5200 per quintal in April and May 2021.

