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## **India**

## **Grain and Feed**

## **Pulse Update**

## **2003**

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### **Report Highlights:**

**Post has revised and updated India's PS&D tables and trade matrices for pulses.**

**Indian pulse imports are expected to reach 2 million tons this year, but the U.S. share should be insignificant.**

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Includes PSD changes: No  
Includes Trade Matrix: No  
Unscheduled Report  
New Delhi [IN1], IN

Indian pulse **production**, while still an important part of the agricultural economy, has stagnated over the past two decades. While a slight increase has been reported in **yields** of winter season pulses (garbanzos, lentils, and peas), **area planted** has declined as other competing crops became more remunerative due to their higher yields. Pulses remain an important part of the Indian diet as a source of protein, but pulse **consumption per capita** has been declining. **Imports** of pulses increased dramatically in recent years. Canada, and more recently France, have emerged as major suppliers of pulses to India along with traditional suppliers like Myanmar and Australia, whereas the US share has become insignificant. This report contains revised and updated production, trade, and consumption data for the major pulses in India beginning with 1981.

## Production

India is the world's largest pulse producer with total production ranging from 11 to 15 million tons annually. Over a dozen pulse crops are grown in the country, with the major crop being chickpeas (garbanzos), followed by pigeon peas and various types of beans and lentils. Pulses are mainly grown on marginal lands under non-irrigated conditions and with little application of fertilizers. Pulse production is extremely dependent upon summer monsoon rainfall, residual moisture, and winter rains. However, these leguminous crops are good crops for small, subsistence farmers, since their ability to fix nitrogen make pulses a vital part of many crop rotations.

Pulse production has stagnated over the last several decades, as progress has been slow on adoption of new varieties and techniques at the field level despite research efforts. Additionally, the success of improved wheat and rice varieties in the irrigated north contributed to the diversion of pulses to more marginal lands where yield potential is limited. There has been little increase in pulse yields, except for some winter season crops which are more likely to be irrigated.

Major pulses have been grouped as follows for inclusion in the PS&D tables, and commonly used local names have been noted in italics.

Garbanzos: Chickpeas, otherwise locally known as *gram* or *chana*. Mostly small black types (*desi*) but also includes small quantities of *Kabulis* (large white).

Peas: Fresh/dried peas both green and white. Locally known as *mattar*.

Lentils: Locally known as *masoor*.

Beans: A large category which includes pigeon peas or red gram (also known as *tur* and *arhar*), green gram (*mung*), black matpe (*urd*), moth bean, horse gram (*kulthi*), cow pea (*lobya*, chickling vetch (*khesri*), blackeye beans, and kidney beans. There is very little production and consumption of US-type beans like pinto, navy, cranberry, small red, black beans, etc.

## Consumption

Pulse consumption in recent years has ranged between 13.0 and 15.0 million tons. Pulses form an important part of the Indian diet as a major source of protein. However, per-capita consumption levels have been declining, as stagnant production has not kept pace with population growth. Per-capita availability currently at 35 grams per day is only half of what it was at the beginning of the 1960's. Although there are distinct regional preferences for pulses, *desi* chick peas, pigeon peas, and black matpe are the most widely consumed ones. Lentils are popular in the north and east and least preferred in the south. Green and yellow peas are consumed in most parts of the country. Patterns of pulse consumption may be changing, as middle income consumers are faced with an increased variety of food choices, including dairy and poultry products. Prices also play an important role in pulse demand, especially for low income consumers. The increase in pulse prices has outpaced that of other food grains like wheat and rice over the past three decades, further restricting availability to those in need of affordable food.

## Trade

India's pulse imports peaked at a record 2.3 million tons in 2001/02 (Apr-Mar) following a poor harvest, after remaining low since the previous record of 1 million tons in 1997/98. Imports continued to remain higher at around 1.9 million tons during 2002/03. A decline in production this spring is likely to spur imports to around 2 million tons in MY 2003/04. In order to augment the domestic availability of pulses, the Indian government began to allow the import of pulses without a licensing requirement in 1979. The current import duty on pulses is 10 percent.

The domestic pulse trade is flexible and open to exploring non-traditional pulse imports and sources if the price is attractive and the product fits into the Indian diet. Import quantity, types, and origins have varied significantly in the past as the trade responds to price shifts. While this underscores the potential for large increase in pulse imports in a year of low world prices, there is also the downside of greatly diminished import levels when world prices rise.

Myanmar, Canada, and Australia together typically account for almost 80 percent of India's total pulse imports. Garbanzo imports have consistently been the largest single pulse imported until recently; major suppliers were Australia, Turkey, and Iran. Canada has recently emerged as the major garbanzo supplier with a 28 percent market share in 2001/02. Pea imports have shown a significant increase in the past two decades, with imports reaching a record 850,000 tons in 2001/02. Here, Canada has again emerged as the largest supplier, followed by Australia and Myanmar. More recently, France also supplied significant quantities of peas to India. Australia and Canada are the major lentil suppliers. India sources most of its beans (mostly *mung*, *tur*, and black matpe) from Myanmar, which is the largest overall supplier of pulses to India. Canadian exporters have been successful in producing and exporting competitively priced, average quality peas, lentils, and chickpeas, thus emerging as one of the largest suppliers of pulses to India. Pulse imports from the United States are insignificant (8,400 tons in 2002/03, mostly green peas and some chickpeas) due to their relatively high prices vis-a-vis other suppliers.

India's imports of pulses by type and origin from 1991/92 to 2001/02, and preliminary estimates for 2002/03, are given in the attached tables.

India exports small, but growing, quantities of pulses, mostly processed lentils, chickpeas, pigeon peas, and other beans to Bangladesh, Sri Lanka, the Middle East, and Europe.

**PS&D Tables:**

PS& D tables for beans, peas, lentils, garbanzos, and total pulses for the period 1981 to 2003 are given below. Area figures are in thousand hectares; production, consumption, and stocks in thousand tons.

**References:**

For additional information on Indian pulses please refer to the following extensive reports:

Shopping for Pulses (IN1065), dated 10/19/2001

India's Pulse Sector: Results of Field Research by Gregory K. Price, Rip Landes, and A. Govindan (ERS Outlook Report No. (WRS03-01), May 2003), which can be accessed at: [www.ers.usda.gov/publications/WRS03/may03/wrs0301/](http://www.ers.usda.gov/publications/WRS03/may03/wrs0301/)

**BEANS**

Beg. Month/Year of Mktg. Yr	4/81 1981	4/82 1982	4/83 1983	4/84 1984	4/85 1985
Area Harvested	14,518	14,594	13,985	14,992	14,410
Beginning Stocks	0	0	0	0	0
Production	5,543	6,069	5,738	7,245	6,523
Total Mkt. Yr. Imports	102	87	150	152	290
July-June Imports	102	87	150	152	290
July-June Imports from US	0	0	3	1	1
TOTAL SUPPLY	5,645	6,156	5,888	7,397	6,813
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	5,645	6,156	5,888	7,397	6,813
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	5,645	6,156	5,888	7,397	6,813

**BEANS**

Beg. Month/Year of Mktg. Yr	4/86 1986	4/87 1987	4/88 1988	4/89 1989	4/90 1990
Area Harvested	15,022	14,610	14,034	14,818	15,324
Beginning Stocks	0	0	0	0	0
Production	6,483	6,128	6,298	7,569	7,474
Total Mkt. Yr. Imports	432	232	175	55	352
July-June Imports	432	232	175	55	352
July-June Imports from US	1	8	5	0	11
TOTAL SUPPLY	6,915	6,360	6,473	7,624	7,826
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	6,915	6,360	6,473	7,624	7,826
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	6,915	6,360	6,473	7,624	7,826

**BEANS**

Beg. Month/Year of Mktg. Yr	4/91 1991	4/92 1992	4/93 1993	4/94 1994	4/95 1995
Area Harvested	15,396	15,229	14,170	14,160	13,750
Beginning Stocks	0	0	0	0	0
Production	7,453	6,505	7,054	6,937	6,147
Total Mkt. Yr. Imports	141	166	271	312	285
July-June Imports	141	166	271	312	285
July-June Imports from US	1	0	1	0	0
TOTAL SUPPLY	7,594	6,671	7,325	7,249	6,432
Total Mkt. year Exports	0	0	0	0	20
Jul-Jun Exports	0	0	0	0	20
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	7,594	6,671	7,325	7,249	6,412
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	7,594	6,671	7,325	7,249	6,432

**BEANS**

Beg. Month/Year of Mktg. Yr	<b>4/96</b> <b>1996</b>	<b>4/97</b> <b>1997</b>	<b>4/98</b> <b>1998</b>	<b>4/99</b> <b>1999</b>	<b>4/00</b> <b>2000</b>
Area Harvested	13,330	13,645	13,440	13,060	12,930
Beginning Stocks	0	0	0	0	0
Production	5,977	6,990	5,332	6,450	6,480
Total Mkt. Yr. Imports	341	407	238	76	122
July-June Imports	341	407	238	76	122
July-June Imports from US	2	2	0	2	5
TOTAL SUPPLY	6,318	7,397	5,570	6,526	6,602
Total Mkt. year Exports	30	25	10	10	10
Jul-Jun Exports	30	25	10	10	10
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	6,288	7,372	5,560	6,516	6,592
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	6,318	7,397	5,570	6,526	6,602

**BEANS**

Beg. Month/Year of Mktg. Yr	<b>4/01</b> <b>2001</b>	<b>4/02</b> <b>2002</b>	<b>4/03</b> <b>2003</b>
Area Harvested	13,230	13,050	14,230
Beginning Stocks	0	0	0
Production	5,710	6,320	5,490
Total Mkt. Yr. Imports	829	720	800
July-June Imports	829	720	800
July-June Imports from US	3	3	3
TOTAL SUPPLY	6,539	7,040	6,290
Total Mkt. year Exports	20	25	30
Jul-Jun Exports	20	25	30
Feed Dom. Consumption	0	0	0
TOTAL Dom. Consumption	6,539	7,015	6,260
Ending Stocks	0	0	0
TOTAL DISTRIBUTION	6,539	7,040	6,290

**PEAS**

Beg. Month/Year of Mktg. Yr	<b>4/81</b> <b>1981</b>	<b>4/82</b> <b>1982</b>	<b>4/83</b> <b>1983</b>	<b>4/84</b> <b>1984</b>	<b>4/85</b> <b>1985</b>
Area Harvested	423	433	450	444	443
Beginning Stocks	0	0	0	0	0
Production	291	299	340	363	331
Total Mkt. Yr. Imports	20	12	32	47	125
July-June Imports	20	12	32	47	125
July-June Imports from US	14	8	24	27	28
TOTAL SUPPLY	311	311	372	410	456
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	311	311	372	410	456
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	311	311	372	410	456

**PEAS**

Beg. Month/Year of Mktg. Yr	<b>4/86</b> <b>1986</b>	<b>4/87</b> <b>1987</b>	<b>4/88</b> <b>1988</b>	<b>4/89</b> <b>1989</b>	<b>4/90</b> <b>1990</b>
Area Harvested	502	479	429	441	504
Beginning Stocks	0	0	0	0	0
Production	427	388	378	417	461
Total Mkt. Yr. Imports	170	235	260	160	310
July-June Imports	170	235	260	160	310
July-June Imports from US	34	29	26	19	24
TOTAL SUPPLY	597	623	638	577	771
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	597	623	638	577	771
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	597	623	638	577	771

**PEAS**

Beg. Month/Year of Mktg. Yr	<b>4/91</b> <b>1991</b>	<b>4/92</b> <b>1992</b>	<b>4/93</b> <b>1993</b>	<b>4/94</b> <b>1994</b>	<b>4/95</b> <b>1995</b>
Area Harvested	555	541	540	550	580
Beginning Stocks	0	0	0	0	0
Production	605	552	550	640	667
Total Mkt. Yr. Imports	116	106	199	144	173
July-June Imports	116	106	199	144	173
July-June Imports from US	20	7	18	8	6
TOTAL SUPPLY	721	658	749	784	840
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	721	658	749	784	840
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	721	658	749	784	840

**PEAS**

Beg. Month/Year of Mktg. Yr	<b>4/96</b> <b>1996</b>	<b>4/97</b> <b>1997</b>	<b>4/98</b> <b>1998</b>	<b>4/99</b> <b>1999</b>	<b>4/00</b> <b>2000</b>
Area Harvested	570	585	580	580	580
Beginning Stocks	0	0	0	0	0
Production	639	722	712	720	730
Total Mkt. Yr. Imports	155	282	257	146	137
July-June Imports	155	282	257	146	137
July-June Imports from US	2	7	2	1	2
TOTAL SUPPLY	794	1,004	969	866	867
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	794	1,004	969	866	867
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	794	1,004	969	866	867

**PEAS**

Beg. Month/Year of Mktg. Yr	<b>4/01</b> <b>2001</b>	<b>4/02</b> <b>2002</b>	<b>4/03</b> <b>2003</b>
Area Harvested	530	570	580
Beginning Stocks	0	0	0
Production	650	700	750
Total Mkt. Yr. Imports	850	700	750
July-June Imports	850	700	750
July-June Imports from US	6	6	5
TOTAL SUPPLY	1,500	1,400	1,500
Total Mkt. year Exports	0	0	0
Jul-Jun Exports	0	0	0
Feed Dom. Consumption	0	0	0
TOTAL Dom. Consumption	1,500	1,400	1,500
Ending Stocks	0	0	0
TOTAL DISTRIBUTION	1,500	1,400	1,500

**LENTILS**

Beg. Month/Year of Mktg. Yr	<b>4/86</b> <b>1986</b>	<b>4/87</b> <b>1987</b>	<b>4/88</b> <b>1988</b>	<b>4/89</b> <b>1989</b>	<b>4/90</b> <b>1990</b>
Area Harvested	1,286	1,976	1,296	1,990	1,989
Beginning Stocks	0	0	0	0	0
Production	<del>765</del>	<del>992</del>	<del>889</del>	<del>930</del>	1,630
Total Mkt. Yr. Imports	<del>62</del>	<del>2</del>	<del>22</del>	<del>32</del>	21
July-June Imports	<del>62</del>	<del>2</del>	<del>22</del>	<del>32</del>	21
July-June Imports from US	0	0	0	0	0
TOTAL SUPPLY	<del>767</del>	<del>998</del>	<del>827</del>	<del>966</del>	1,598
Total Mkt. year Exports	<del>23</del>	23	90	<del>143</del>	190
Jul-Jun Exports	<del>23</del>	23	90	<del>143</del>	190
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	<del>762</del>	<del>996</del>	<del>827</del>	<del>964</del>	944
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	<del>767</del>	<del>998</del>	<del>827</del>	<del>966</del>	1,598

**LENTILS**

Beg. Month/Year of Mktg. Yr	<b>4/86</b> <b>1986</b>	<b>4/87</b> <b>1987</b>	<b>4/88</b> <b>1988</b>	<b>4/89</b> <b>1989</b>	<b>4/90</b> <b>1990</b>
Area Harvested	1,091	1,087	1,040	1,081	1,112
Beginning Stocks	0	0	0	0	0
Production	663	659	660	734	706
Total Mkt. Yr. Imports	8	35	206	15	12
July-June Imports	8	35	206	15	12
July-June Imports from US	0	0	0	0	0
TOTAL SUPPLY	671	694	866	749	718
Total Mkt. year Exports	7	8	9	12	10
Jul-Jun Exports	7	8	9	12	10
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	664	686	857	737	708
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	671	694	866	749	718

**LENTILS**

Beg. Month/Year of Mktg. Yr	<b>4/91</b> <b>1991</b>	<b>4/92</b> <b>1992</b>	<b>4/93</b> <b>1993</b>	<b>4/94</b> <b>1994</b>	<b>4/95</b> <b>1995</b>
Area Harvested	1,188	1,190	1,200	1,180	1,160
Beginning Stocks	0	0	0	0	0
Production	851	802	791	748	784
Total Mkt. Yr. Imports	3	4	3	61	27
July-June Imports	3	4	3	61	27
July-June Imports from US	0	0	0	0	0
TOTAL SUPPLY	854	806	794	809	811
Total Mkt. year Exports	5	10	10	5	10
Jul-Jun Exports	5	10	10	5	10
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	849	796	784	804	801
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	854	806	794	809	811

**LENTILS**

Beg. Month/Year of Mktg. Yr	<b>4/01 2001</b>	<b>4/02 2002</b>	<b>4/03 2003</b>
Area Harvested	1,380	1,400	1,390
Beginning Stocks			
Production	860	900	950
Total Mkt. Yr. Imports	87	50	50
July-June Imports	87	50	50
July-June Imports from US	0	0	0
TOTAL SUPPLY	947	950	1,000
Total Mkt. year Exports	100	100	110
Jul-Jun Exports	100	100	110
Feed Dom. Consumption	0	0	0
TOTAL Dom. Consumption	847	850	890
Ending Stocks	0	0	0
TOTAL DISTRIBUTION	947	950	1,000

**GARBANZOS**

Beg. Month/Year of Mktg. Yr	4/86 1986	4/87 1987	4/88 1988	4/89 1989	4/90 1990
Area Harvested	7,520	7,868	7,509	7,470	6,960
Beginning Stocks	0	0	0	0	0
Production	4,928	5,672	6,290	6,860	5,522
Total Mkt. Yr. Imports	130	390	112	14	73
July-June Imports	130	390	112	14	73
July-June Imports from US	0	0	0	0	0
TOTAL SUPPLY	5,332	5,960	6,292	6,855	5,593
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	5,302	5,968	6,290	6,855	5,590
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	5,332	5,960	6,292	6,855	5,593

**GARBANZOS**

Beg. Month/Year of Mktg. Yr	4/86 1986	4/87 1987	4/88 1988	4/89 1989	4/90 1990
Area Harvested	7,805	6,984	5,767	6,810	6,470
Beginning Stocks	0	0	0	0	0
Production	5,788	4,532	3,626	5,129	4,217
Total Mkt. Yr. Imports	15	230	217	213	213
July-June Imports	15	230	217	213	213
July-June Imports from US	0	6	4	0	0
TOTAL SUPPLY	5,803	4,762	3,843	5,342	4,430
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	5,803	4,762	3,843	5,342	4,430
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	5,803	4,762	3,843	5,342	4,430

**GARBANZOS**

Beg. Month/Year of Mktg. Yr	4/91 1991	4/92 1992	4/93 1993	4/94 1994	4/95 1995
Area Harvested	7,521	5,580	6,450	6,360	7,540
Beginning Stocks	0	0	0	0	0
Production	5,356	4,155	4,420	4,980	6,440
Total Mkt. Yr. Imports	104	113	180	65	17
July-June Imports	104	113	180	65	17
July-June Imports from US	0	0	0	0	0
TOTAL SUPPLY	5,460	4,268	4,600	5,045	6,457
Total Mkt. year Exports	0	0	0	0	0
Jul-Jun Exports	0	0	0	0	0
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	5,460	4,268	4,600	5,045	6,457
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	5,460	4,268	4,600	5,045	6,457

**GARBANZOS**

Beg. Month/Year of Mktg. Yr	<b>4/01 2001</b>	<b>4/02 2002</b>	<b>4/03 2003</b>
Area Harvested	4,890	6,680	5,800
Beginning Stocks	0	0	0
Production	3,850	5,270	4,620
Total Mkt. Yr. Imports	540	400	400
July-June Imports	540	400	400
July-June Imports from US	7	2	2
TOTAL SUPPLY	4,390	5,670	5,020
Total Mkt. year Exports	5	5	5
Jul-Jun Exports	5	5	5
Feed Dom. Consumption	0	0	0
TOTAL Dom. Consumption	4,385	5,665	5,015
Ending Stocks	0	0	0
TOTAL DISTRIBUTION	4,390	5,670	5,020

**TOTAL PULSES**

Beg. Month/Year of Mktg. Yr	<b>4/86</b>	<b>4/87</b>	<b>4/88</b>	<b>4/89</b>	<b>4/90</b>
	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>
Area Harvested	22,260	22,850	22,870	23,500	22,720
Beginning Stocks	0	0	0	0	0
Production	10,620	14,207	12,959	12,890	13,960
Total Mkt. Yr. Imports	622	1,092	829	267	353
July-June Imports	622	1,092	829	267	353
July-June Imports from US	14	9	28	28	29
TOTAL SUPPLY	10,002	15,809	12,008	15,127	12,303
Total Mkt. year Exports	53	50	102	166	203
Jul-Jun Exports	53	50	102	166	203
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	10,959	15,809	12,008	15,023	12,500
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	10,002	15,809	12,008	15,127	12,303

**TOTAL PULSES**

Beg. Month/Year of Mktg. Yr	<b>4/86</b>	<b>4/87</b>	<b>4/88</b>	<b>4/89</b>	<b>4/90</b>
	<b>1986</b>	<b>1987</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>
Area Harvested	24,420	23,160	21,270	23,150	23,410
Beginning Stocks	0	0	0	0	0
Production	13,361	11,707	10,962	13,849	12,858
Total Mkt. Yr. Imports	625	732	858	443	887
July-June Imports	625	732	858	443	887
July-June Imports from US	35	43	35	19	35
TOTAL SUPPLY	13,986	12,439	11,820	14,292	13,745
Total Mkt. year Exports	7	8	9	12	10
Jul-Jun Exports	7	8	9	12	10
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	13,979	12,431	11,811	14,280	13,735
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	13,986	12,439	11,820	14,292	13,745

**TOTAL PULSES**

Beg. Month/Year of Mktg. Yr	<b>4/91</b>	<b>4/92</b>	<b>4/93</b>	<b>4/94</b>	<b>4/95</b>
	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>
Area Harvested	24,660	22,540	22,360	22,250	23,030
Beginning Stocks	0	0	0	0	0
Production	14,265	12,014	12,815	13,305	14,038
Total Mkt. Yr. Imports	364	389	653	582	502
July-June Imports	364	389	653	582	502
July-June Imports from US	21	7	19	8	6
TOTAL SUPPLY	14,629	12,403	13,468	13,887	14,540
Total Mkt. year Exports	5	10	10	5	30
Jul-Jun Exports	5	10	10	5	30
Feed Dom. Consumption	0	0	0	0	0
TOTAL Dom. Consumption	14,624	12,393	13,458	13,882	14,510
Ending Stocks	0	0	0	0	0
TOTAL DISTRIBUTION	14,629	12,403	13,468	13,887	14,540

**TOTAL PULSES**

Beg. Month/Year of Mktg. Yr	<b>4/01 2001</b>	<b>4/02 2002</b>	<b>4/03 2003</b>
Area Harvested	20,030	21,700	22,000
Beginning Stocks	0	0	0
Production	11,070	13,190	11,810
Total Mkt. Yr. Imports	2,306	1,870	2,000
July-June Imports	2,306	1,870	2,000
July-June Imports from US	16	11	10
TOTAL SUPPLY	13,376	15,060	13,810
Total Mkt. year Exports	125	130	145
Jul-Jun Exports	125	130	145
Feed Dom. Consumption	0	0	0
TOTAL Dom. Consumption	13,271	14,930	13,665
Ending Stocks	0	0	0
TOTAL DISTRIBUTION	13,376	15,060	13,810

		India: Pulse Imports (metric ton)					
	2002/03	2001/02	2000/01	1999/00	1998/99	1997/98	
<b>Peas</b>							
Australia	NA	167,950	53,117	88,682	76,676	73,405	
Canada	NA	462,021	63,493	39,765	107,013	105,588	
Myanmar	NA	64,901	7,850	10,390	49,813	66,686	
USA	NA	4,690	2,379	924	1,463	7,328	
Other	NA	149,457	10,544	6,171	22,496	28,626	
Total	NA	849,019	137,383	145,932	257,461	281,633	
<b>Chickpeas</b>							
Australia	NA	139,589	10,194	4,622	27,372	238,538	
Canada	NA	151,148	43,972	918	50,717	36,234	
Iran	NA	86,582	224	618	11,790	36,512	
Myanmar	NA	39,237	5,353	1,706	4,491	19,685	
Mexico	NA	10,201	1,481	1,047	0	6,808	
Turkey	NA	28,619	44	1,657	4,349	43,230	
UAE	NA	1,604	64	1,009	1,728	5,940	
USA	NA	6,924	1,493	376	451	106	
Other	NA	75,425	9,547	1,743	10,767	3,309	
Total	NA	539,329	72,372	13,696	111,665	390,362	
<b>Lentil</b>							
Australia	NA	43,242	818	1,209	0	200	
Canada	NA	26,129	4,311	13,066	7,539	2,501	
USA	NA	255	449	254	21	0	
Turkey	NA	0	0	0	0	0	
Syria	NA	0	0	0	0	0	
Other	NA	17,349	15,441	16,486	14,420	3,229	
Total	NA	86,975	21,019	31,015	21,980	5,930	
<b>Mung</b>							
Australia	NA	5,642	2,225	1,616	152	115	
Myanmar	NA	124,215	27,046	9,742	18,094	31,052	
Other	NA	60,460	12,092	15,162	14,750	23,941	
Total	NA	190,317	41,363	26,520	32,996	55,108	
<b>Tur</b>							
Myanmar	NA	338,544	39,194	5,361	56,704	169,492	
Other	NA	15,632	4,265	721	2,543	2,654	
Total	NA	354,176	43,459	6,082	59,247	172,146	
<b>Urd</b>							
Myanmar	NA	17,364	4,028	2,128	171	2,647	
Canada	NA	0	0	461	0	0	
Other	NA	1,938	7,531	307	9	0	
Total	NA	19,302	11,559	2,896	180	2,647	
<b>Kidney bean</b>							
Myanmar	NA	6,023	6,024	6,355	16,833	7,674	
Canada	NA	4,391	2,200	537	0	0	
Australia	NA	0	0	237	126	43	
USA	NA	178	0	0	42	60	
Other	NA	14,798	6,960	632	2,238	7,349	
Total	NA	25,212	15,184	7,761	19,197	15,066	
<b>Other</b>							
Australia	NA	1,276	323	1,095	6,485	12,004	
Canada	NA	48,447	1,162	84	4,724	1,500	
Myanmar	NA	156,850	5,639	28,231	107,357	131,062	
Other	NA	35,541	3,048	3,892	7,492	17,785	
Total	NA	242,114	10,172	33,302	126,058	162,351	
<b>TOTAL</b>	1,880,000	2,306,444	352,511	267,204	628,784	1,085,243	
Australia	121,835	357,699	66,677	98,533	111,414	324,468	
Canada	412,406	692,136	115,138	54,831	169,993	145,823	
Myanmar	648,714	747,134	95,134	73,170	264,417	448,061	
USA	8,427	12,047	4,321	1,715	2,449	8,178	
Other	688,618	497,428	71,241	38,955	80,511	158,713	
Total	1,880,000	2,306,444	352,511	267,204	628,784	1,085,243	

Source: Directorate of Commercial Intelligence &amp; Statistics, GOI

	1996/97	1995/96	1994/95	1993/94	1992/93	1991/92
<b>Peas</b>						
Australia	45,189	40,835	41,315	75,509	33,458	11,921
Canada	53,115	66,943	42,017	28,426	9,943	15,029
Myanmar	27,931	3,337	18,621	23,967	23,859	3,870
USA	2,391	5,632	7,740	18,121	7,406	20,231
Other	25,904	56,291	35,271	52,502	31,739	65,129
Total	154,530	173,038	144,964	198,525	106,405	116,180
<b>Chickpeas</b>						
Australia	96,933	492	26,329	42,008	19,554	30,808
Canada	0	0	0	1,500	212	274
Iran	2,449	0	9,164	47,846	29,175	0
Myanmar	8,654	3,290	5,259	31,563	35,016	0
Mexico	110	1,180	0	0	0	0
Turkey	17,374	8,914	2,065	13,632	21,767	50,049
UAE	681	0	419	1,758	347	0
USA	0	441	82	408	159	2,150
Other	3,303	2,699	21,689	41,438	6,775	20,639
Total	129,504	17,016	65,007	180,153	113,005	103,920
<b>Lentil</b>						
Australia	0	0	0	0	3,164	706
Canada	0	2,281	0	0	0	0
USA	0	0	0	0	0	0
Turkey	17,554	41	18,748	0	5	2,350
Syria	32,436	12,993	28,021	0	0	0
Other	16,492	11,421	14,048	2,351	772	128
Total	66,482	26,736	60,817	2,351	3,941	3,184
<b>Mung</b>						
Australia	0	0	964	0	0	0
Myanmar	34,870	23,087	38,036	21,519	16,578	4,496
Other	15,691	64,333	57,309	17,641	13,208	15,002
Total	50,561	87,420	96,309	39,160	29,786	19,498
<b>Tur</b>						
Myanmar	130,200	77,225	76,282	122,553	69,309	11,820
Other	8,522	5,236	3,907	3,384	176	497
Total	138,722	82,461	80,189	125,937	69,485	12,317
<b>Urd</b>						
Myanmar	18,491	61,049	8,907	19,152	14,718	968
Canada	0	0	0	0	0	0
Other	2,705	8,904	4,861	2,545	566	4,503
Total	21,196	69,953	13,768	21,697	15,284	5,471
<b>Kidney bean</b>						
Myanmar	13,969	4,562	5,433	2,584	2,662	4,296
Canada	0	0	0	419	0	0
Australia	0	0	0	4,118	215	0
USA	28	36	0	532	722	53
Other	5,774	8,881	33,159	8,250	5,837	9,089
Total	19,743	13,443	38,592	15,371	8,714	13,385
<b>Other</b>						
Australia	14,133	7,980	19,533	7,745	6,563	1,830
Canada	0	2,035	0	0	0	0
Myanmar	72,964	16,349	36,951	54,684	33,400	50,004
Other	24,592	5,803	25,994	7,163	2,010	38,163
Total	111,689	32,167	82,478	69,592	41,973	89,997
<b>TOTAL</b>	<b>692,427</b>	<b>502,234</b>	<b>582,124</b>	<b>652,786</b>	<b>388,593</b>	<b>363,952</b>
Australia	156,255	49,307	92,556	129,380	62,954	45,265
Canada	53,115	71,259	42,017	30,345	10,155	15,303
Myanmar	318,733	243,341	200,410	287,747	230,567	77,239
USA	3,672	6,109	8,331	19,409	8,787	23,469
Other	160,652	132,218	238,810	185,905	76,130	202,676
Total	692,427	502,234	582,124	652,786	388,593	363,952

Source: Directorate of Commercial Intelligence &amp; Statistics, GOI