

The Indian Express MSP, new varieties: behind success of chana and moong in past decade

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HARISH DAMODARAN NEW DELHI, JUNE 16	government agencies have been procuring at these rates. Purchases by the National Agricultural Cooperative Marketing Federation of India	wheat and mustard, the crop gained acreage in Madhya Pradesh, Maharashtra, Gujarat, Karnataka and Andhra Pradesh. This was enabled by the breeding of	PROCUREMENT OF PULSES (lakh tonnes) Crop Year Chang Arbai Moong Urad	seen farmers take as many as four crops. The first is the <i>kharif</i> crop, grown over 65- 75 days, with sowing from end-June to mid- July and harvesting after mid-September.	Summer and <i>rabi</i> moong are generally of shorter duration; <i>kharif</i> and spring are longer (up to 75 days). "In <i>moong</i> , our success has been in breed-
OVER THE last 10 years, India's pulses produc-	(NAFED) in the last 3-4 years have	short-duration varieties sown from end-		Kharif moong is cultivated in Rajasthan, UP,	ing photo-thermo insensitive varieties. Since
tion has gone up about 50%, from 18.3 million	amounted to 2-2.5 mt, close to a fifth of the	September to mid-October, using the resid-	2013-14 0.34 0.43 - 0.77	Punjab, and Haryana. It needs no irrigation.	these are not sensitive either to temperature
tonnes (mt) to 27.5 mt. Much of this is due to	estimated output of this rabi (winter) pulses	ual moisture left in the soil after harvesting	2014-15 2.80 0.01 - 0.07	The second crop is during rabi, grown	or photoperiod (the length of time in 24 hours
chana (chickpea) and moong (green gram).	crop. MSP-based procurement has incen-	of the kharif (post-monsoon) crop. These	0015 10	largely in the southern states and Odisha.	that p lants are exposed to light), they can vir-
Between 2012-13 and 2022-23, chana	tivised farmers to expand the	varieties are harvested in 100-	2015-16	Sowing is in November-December after	tually be grown anytime and anywhere," G P
output has risen from 8.8 mt to 13.5 mt;	area under chana from EXPLA	120 days with just a single ir-	2016-17 - 1.96 0.08 -	paddy is harvested.	Dixit, director of the Indian Institute of Pulses
moong from 1.2 mt to 3.7 mt. They now ac-	around 8.5 million hectares	rigation if at all (In the North		The third is the spring moong, sown dur-	Research (IIPR), Kanpur, said. IIPR has bred
count for 62.8% of pulses production, as again-	(mh) to more 11 mh in the FAR	MS it is grown over 140-150 days,	2017-18 1.15 6.03 4.06 2.84	ing February-March post the harvesting of	IPM 02-03, a variety amenable to both kharif
st 54.6% in 2012-13 and 45.9% in 2002-03.	last 10 years. There has been	and requires 1-2 irrigations.)	2018-19 7.76 2.76 3.22 4.42	potato and sugarcane in states such as Punjab	and spring planting. The summer moong va-
What explains the significantly in-	no similar effort at procuring other pulses,	"The short-duration varieties (JAKI 9218,		and UP. It is also taken as an inter-crop with	rieties Samrat and Virat, which mature in 55-
creased production of these two pulses,	barring in one or two years.	IG 11, IG 16, Vijay, and Phule Vikram) yield 20-	2019-20 21.43 5.36 1.47 -	sugarcane - it is harvested by May, as the	60 days, are also success stories.
compared for example to tur/arhar (pigeon-	But it isn't procurement alone.	25 guintals per hectare. That's less than the	2020-21 6.30 0.11 1.67 0.01	cane continues to grow on the same land.	The trebling of moong production in the
pea) and urad (black gram)?	Shailesh Tripathi, head of the All-India	25-30 guintals from the traditional long-du-	2021 22 25 50 2 20 2 2 2 2	The fourth is summer moong, sown af-	last 10 years has been powered primarily
F)()-	Coordinated Research Project for Rabi	ration varieties, but they take less time to	2021-22 25.56 0.36 3.63 0.02	ter harvesting of wheat in Punjab, Haryana,	by the spring and summer varieties, which
Chana: procurement boost	Pulses, said that while the Green Revolution	grow with hardly any irrigation," Tripathi said.	2022-23* 22.26 - 1.22 -	UP, Bihar, and the irrigated Narmada belt of	account for more than half of this crop's to-
The minimum support price (MSP) for	and spread of irrigation resulted in an esti-	grow widmardiyany ingadon, mpadiisada.		MP. The sowing window is from April 1-20	tal output today.
chana has gone up from Rs 3.000 per guin-	mated 4-4.5 mh under chana in Puniab.	The revolution in moong	Note: Crop year is July-June; "Till June 1.	and the crop has to be harvested in 50-60	LONGER VERSION
		Breeding breakthroughs in moong have	Source: NAFED		
tal in 2012-13 to Rs 5,335 in 2022-23, and	Haryana, Rajasthan, and UP going over to	breeding breakthroughs in moong have		days, before the monsoon rain.	www.indianexpress.com/explained