

**Central Research Institute for Dryland Agriculture**

**Hyderabad**

**Status of monsoon and contingency plans for deficit/excess areas of the country**

During the week, monsoon was active with copious rainfall in Sub-Himalayan West Bengal, West Uttar Pradesh, Vidharbha, Chattisgarh and Madhya Pradesh. During the last two days, rainfall picked up in Madhya Maharashtra improving situation considerably. Parts of Punjab, Himachal Pradesh and Jammu and Kashmir have also received scattered rains. South Interior Karnataka, entire Gujarat, West Rajasthan, Haryana and Punjab are under serious deficit. Considering this situation, the contingency measures suggested for deficit regions are under:

**Andhra Pradesh**

The state received normal rainfall (+3%) and as such no major contingency plan is required here except the following.

- In areas where the transplanting of rice is delayed and transplanting is planned with over aged seedlings, farmers are advised to increase nitrogen dose by 50% and apply in equal splits (Basal, 20 DAT and PI). Application of Phosphorous, Potassium and Zinc at recommended doses at planting is necessary.

**Karnataka**

Scattered rainfall occurred during the last week but rainfall is still deficit by 34% over North interior Karnataka.

- In areas where the rains were received bajra, maize and sunflower may be sown at wider spacing (120-135 cm) after seed hardening (soaking in calcium chloride solution before sowing).
- Horse gram, cowpea and vegetable crops like onion, cucumber and ridge gourd can also be sown now.

South interior Karnataka is still experiencing a large rainfall deficit of 39% with 63% of area remaining unsown.

- After receiving sufficient rainfall, short duration finger millet varieties (Indaf-5, Indaf-9 and GPU-28) may be sown.

- Fodder maize (Deccan 103) and sunflower (Morden, BSH-1) may be sown in place of groundnut.
- In tank fed areas, aerobic rice cultivars (MAS-946-1, Rasi and KRH-2) may be taken up whenever tanks are filled and medium duration red gram varieties (BRG-1, BRG-2) can be cultivated for vegetable purpose, if adequate rainfall is received.

## **Maharashtra**

Maharashtra state has a whole recorded 83% of the normal rainfall from 01<sup>st</sup> June to 02<sup>nd</sup> August.

In Maharashtra, Vidrabha region, received near normal rainfall and no contingency measures are required except for Gondia and Wardha districts.

- In areas not so far sown, pigeonpea (AKT-8811 and Vipula) can be sown at a closer spacing.
- Pearl millet (PKV Raj, Shradha), sesame (AKT-64), castor (GCH-4, 5, 6 and DCH-32) can be sown.

In Madhya Maharashtra region, despite widespread rainfall for last three days, the rainfall is still deficit by 26% and large area remains unsown.

- In medium deep to deep black soils of Solapur region, sowing of sole crops like sunflower (Bhanu, Phule, Raviraj), castor, horsegram, pearl millet (shradha, Saburi, Shanti) can be sown upto 10th August.
- Wherever farmers have raised pigeonpea seedlings for transplantation, and the if the seedlings are less than 45 days of age, it is advised to transplant as a sole crop or as intercrop with sunflower + pigeonpea (2:1) or mixed crop of castor + ridge gourd whenever sufficient rainfall occurs.
- Farmers are advised to sow giant bajra or sorghum (Phule ruchira, Phule amrutha) as fodder crops.
- In shallow black / red soils of Sangli region pearl millet (Shanti, Shradha, Saburi) and in deep black soils either sole crop of sunflower (Bhanu, SS-56) or sunflower + pigeonpea (Vipula or BDN-708) in 2:1 ratio are suggested.
- Alternate dead furrows may be opened up for moisture conservation in already sown crops.

During the past three days, Marathwada region of Maharashtra received low to medium rainfall. In this region sowing of crops was in 16.5 lakh ha out of the total area of 24.99 lakh ha and germination and growth of crops is satisfactory.

- In the remaining unsown areas of the region, sowing of sole crops like pigeonpea, hybrid bajra, sunflower, castor and sesame and intercrops viz., castor + pigeonpea, castor + coriander etc., can be taken up after receipt of sufficient rainfall.
- In standing cotton crop (one month old), application of 60 kg nitrogen per ha is recommended. Intercultural operations like weeding and hoeing need to be taken up.

## **Rajasthan**

Western Rajasthan received 66% deficit rainfall and eastern Rajasthan 36%. In last week moderate rainfall occurred in south eastern parts (Udaipur and Kota), while moderate to heavy rains occurred in southern parts (Chittorgarh, Bilwara, Banswara, Pratapgarh, Udaipur, Rajasamand). Eastern parts (Jaipur and Ajmeer) divisions received light showers and western parts (Jodhpur and Bikaner) divisions remain dry during this week.

- Farmers in southern and southeastern parts are advised to top dress maize with 50 kg urea per hectare where sufficient rainfall is received and remove extra plants keeping a plant to plant distance of 25 cm.
- In the areas with light or inadequate rainfall, hoeing and weeding operations and using weeds as mulch should be done to conserve soil moisture.
- If the maize crop is of around 20-25 days old, ridging in crop is recommended.
- In standing maize and sorghum crops undergoing prolonged. Spray of 1000 ppm thiourea or 5% kaolin.
- In western Rajasthan, farmers are advised to sow short duration varieties of bajra (HHB-67), moth (RMO-40, RMO-225) and fodder crop (bajra) if rainfall occurs up to 15<sup>th</sup> August.

## **Gujarat**

In Gujarat, out of 18 districts, 8 districts are still experiencing scanty rainfall and 10 districts experiencing deficit rainfall. Saurashtra and Kutch region is the worst drought hit with all the districts experiencing scanty or deficit rainfall and no rainfall occurring in this week also.

- Farmers are advised to sow cluster bean (HG-75, GG-1 and 2), sesame (Purva-1, Guj, Til 3 & 4) and castor (GCH-2, 4, 5, 7) as soon as rainfall revives.
- In already sown cotton, farmers are advised to carry out harrowing and earthing up.
- In standing crops of pigeonpea, pearl millet and maize, interculturing and weeding is advised for conservation of soil moisture. Need based life saving irrigation may be given wherever possible.
- In Saurashtra region, sowing of groundnut and pearl millet may be avoided. Instead greengram (GM-4, K-851), sesame (Purva-1, GT-3 and GT-4), castor (GAUCH-1, GCH-4 and GCH-7) and fodder sorghum (GFS-4, S-1049) may be taken up upto 15th August.

## **Uttar Pradesh**

Rainfall over west Uttar Pradesh is deficit by 44% so far.

- Sowing of millets, pulses (Urd bean, moong bean) and sesame in place of paddy is suggested.
- In central plain zones, short duration paddy varieties (Type-3, Basmati-370) may be sown under SRI.

## **West Bengal**

Rainfall over West Bengal was so far highly variable as northern parts received excess rainfall and southern parts 25% deficit rainfall. Rainfall at many places is not sufficient for paddy transplantation.

- In rainfed uplands maize, cowpea, arhar and blackgram may be sown in place of rice.

## **Haryana**

In Haryana, scanty rainfall conditions (-71%) are still prevailing.

- In the standing cotton crop, furrow irrigation followed by straw mulching is advised.
- After the receipt of sufficient rain, short duration varieties of bajra (HHB-67, HHB-216 and 226) and moong bean (Satya, Asha and Muskan) may be sown up to first week of August in the rainfed zone.

## **Tamil Nadu**

Rainfall over Tamil Nadu and Pondicherry is so far deficit by 22%.

- Farmers of Kadalur are advised to sow varagu, samai, cowpea or horsegram in place of maize, pearl millet and groundnut.
- In Krishnagiri districts, instead of long duration finger millet, short duration finger millet, samai and horsegram are recommended.
- Farmers in Pudukkottai district are advised to sow maize or castor crops immediately.

## **Chattisgarh**

Majority of the districts received near normal and in few districts rainfall has been in excess leading to inundation.

- Soybean nodulation may get affected due to water logging conditions and farmers are advised to drain out excess water and top dressed with nitrogen @ 15 to 20 kg/ha.

## **Punjab**

In Punjab rainfall during the season so far is deficit by 70%. In the last two days isolated rainfall has occurred in some parts of Punjab.

- Under rainfed conditions, sowing of fodder, pearl millet varieties (PHBF-1, PCB-164 and FBC-16) can be taken up to August end.
- Under irrigated conditions, maize variety J-1006 can be sown up to middle of September.
- To save irrigation water in standing rice and basmati rice crops, irrigation is advised two days after complete evaporation of ponded water.

## **Kerala**

For the first time in many years, Kerala has experienced extreme deficit rainfall for June and July with the cumulative deficit reaching -40% by the end of July. Most of the rice fields are under stress as the southern districts are experiencing more deficit. Pepper and cardamum crops are likely to be affected due to prevailing drought. Moisture conservation practices like basin mulching may be adopted to minimize the loss. The hydro power generation is highly affected in Kerala putting the irrigated area under risk and potential negative impact on rabi crops.

## Other States

The rainfall situation in other states is comparatively normal. However, some districts recorded deficit rainfall and for those districts contingency plans are made available in the websites of the Ministry of Agriculture ([www.agricoop.nic.in](http://www.agricoop.nic.in)), ICAR ([www.icar.org.in](http://www.icar.org.in)) and CRIDA ([www.crida.in](http://www.crida.in)). The respective KVKs also may be contacted for needful advice. Previous editions of this bulletin may be seen in the archives in CRIDA Website.

**Various varieties of quality seed available at different states are given below:**

### Availability of Seeds Across the States (in Kg)

S. No.	Crop	Centre	Variety	NS	BS	FS	CS	TL
KARNATAKA	RICE	ARS, Sirguppa	BPT-5204			9030		
		ARS, Dhadesgur	BPT-5204			5000		
		UAS, Raichur	GGV-05-01					900
		UAS, Dharwad	Intan			4600	2500	
			Abhilash				79600	
			Jaya				1600	
		UAS, Bangalore	KRH-2				57078	
			BR-2655				59550	22675
			IR-30864				100500	3050
			Thanu				19600	10750
			Jaya				52625	2000
			Thunga				200	
			KCP-1					6400
			JGL-1798					13500
			MTU 1010					3000
			MTU 1001					2500
			Jyothi				67500	2500
			IET-7191					1730
			Intan					1475
			KHP-5					1375
			KHP-9					2325
			Sharavathi					1025
	Bajra	UAS, Raichur	ICTP-82063			700		

		UAS, Dharwad	ICTP-8203			1800		850
	Greengram	UAS, Raichur	BGS-09		350			
		ARS, Bidar	BGS-9					7000
		UAS, Dharwad	China Mung					2500
	Blackgram	UAS, Raichur	DU-01		410			39000
		UAS, Dharwad	TAU-1				1200	1100
	Sorghum	UAS, Raichur	M35-1		500	2560	5850	
		ARS, Hagari	M35-1			5200		
		UAS, Raichur	M35-1					
	Pigeonpea	UAS, Raichur	TS3R				700	
		ARS, Gulburga	TS3R					48600
		ARS, B-Gudi	TS3R					26350
		UAS, Dharwad	ICP-8863			1400		
			BSMR				1700	
		UAS, Bangalore	BRG-1				1800	
		UAS, Bangalore	BRG-2				60	
	Groundnut	UAS, Raichur	TMV-2					7800
		UAS, Dharwad	TMV-2				802500	
		ARS, Kawadimatti	TMV-2					8600
		UAS, Dharwad	GPBD-4		34000	50000	4800	
			JL-24		12000	11500		
			TMV-2		155000			
			TAG-24		1200			
	Maize	UAS, Dharwad	Arjun				20500	
			SA Tall				1900	10900
		UAS, Bangalore	SA Tall					5000
	Little Millet	UAS, Dharwad	JK-8				300	300
		UAS, Dharwad	CO(SA)-4					2200
		UAS, Dharwad	Sukshema					1300
	Finger Millet	UAS, Dharwad	GPU-28					4100
	Foxtail mill	UAS, Dharwad	PS-4				200	1400
	Ragi	UAS, Bangalore	MR-2				190	
			MR-6				25	
			GPU-48					25
			Indaf-7					260
	Field Bean	UAS, Bangalore	HA-4					30
	Sunflower	UAS, Bangalore	KBSH-41				62	
		UAS, Bangalore	KBSH-42				110	
		UAS, Bangalore	KBSH-44				340	

		UAS, Bangalore	KBSH-53			25128	
	French Bean	UAS, Bangalore	A.Komal			1028	528
ORISSA	RICE	CRRRI	CR Borodhan-2		50		
			Sahabthagidhan		270		
			CR Dhan – 10		60		
			CR Dhan – 601		60		
			Naveen		210		700
			Khitish		660		
			Ratna		270		
			CR Dhan – 500		120		
			Satabdi		210		400
			IR – 36		480		
			IR – 50		420		
			IR – 20		240		
			Savitri		390		
			Swarna <i>Sub-1</i>		150		
			Pooja		180		
			Tapaswini		60		
			Luna Suvarna		60		80
			Luna Sampad		90		
			Moti		180		
			Anjali				150
			Annada				150
			Sahabhagi				100
GUJARAT	RICE	Anand Ag Un.	GR-7				40
			GR-12				350
			Gurjari				750
			GAR-13				060
			IR-28				250
			Dandi				150
		KVK, Kheda	GAR-1				300
	Maize	Anand Ag Un.	GW-1				2500
			GM-3				400
	Sorghum(F)	Anand Ag Un.	S-1049				2300
			C-10-2				2120
	Mungbean	Anand Ag Un	Meha				3900
		Junagarh Ag Un	GM-4				140
		KVK Vadodara	Meha				750

		KVK, NAU	Meha				550
	Green gram (Moong)	Navsari Ag. Un. Navsari	CO-4				360
			Meha				13700
			GBM-1				250
		Navsari Ag. Un. Navsari	Gm-4				500
			CO-4				400
		KVK, SDAU	GM-4				150
		DST, SDAU, Saedarkrushinagar	GM4		3640		
	Blackgram	Junagarh Ag Un	Gu-1				100 4248
		Navsari Ag. Un. Navsari	Gu-1				100
		DST, SDAU, Saedarkrushinagar	Gu 1		670		
	Cowpea	Anand Ag Un	Pusa Falguni				100
	Chickpea	KVK, NAU	GG-2				780
	Pigeonpea	Anand Ag Un	BDN-2				600
		Junagarh Ag Un	BDN-2				94
			GT-101				948
	Arhar (Tur)	Navsari Ag. Un. Navsari	GT-102				70
	Castor	Anand Ag Un	GCH-7				1205
		Junagarh Ag Un	GCH-7				918
		Navsari Ag. Un. Navsari	GCH-4/ GCH-5 /GCH-7				1600
	Desi Cotton	ADC-1					550
		G.Cot-21					100
	Sesame	Junagarh Ag Un	Gu-3				142
		KVK, SDAU	GT-3				150
		DST, SDAU, Saedarkrushinagar	GT-2				320
RAJASTHAN	Maize	MPUA&T	Mahi Dhawal				300
			Aravali Makka-1				670
			Pratap Makka Chari				1100
			Pratap Makka-3				175
		MPUA&T, Chittogarh	Pratap Makka-3				155
	Sorghum	MPUA&T	CSV-28				600



	Dhaincha	MPUA&T	Dhaincha				600
	Green gram	MPUA&T	IPM 02-03				64
		MPUA&T	G-4				30
		MPUA&T	SML-668				450
		ARS, Fetehpur	RMG-492		650		
		ARS, Jalore	IPM-02-03		25		
		ARS, SGNR	Ganga-1		100		
		ARS, SGNR	Ganga-8		300		
		ARSS, HNG	SML-668		600		
		ARSS, Tabiji	IPM-02-03		308		
		ARSS, Tabiji	RMG-62		247		
		ARS, Bikaner	RMG-268		700		
		KVK, Sriganganagar	SML-668				1280
		MPUA&T, Anta	G-4				30
		MPUA&T, Bundi	SML-668				250
		MPUA&T, Jhalawar	SML-668				200
		KVK, Banasthali, Tonk	IPM 02-3				100
	Blackgram	MPUA&T	PU-31				2000
		MPUA&T	KU-96-3				2000
		VBKVK, Jodhpur	PU-31				300
		MPUA&T, Anta	PU-31				250
		MPUA&T, Bhilwara	PU-31				650
			KU-96-3				700
		MPUA&T, Chittorgarh	KU-96-3				1100
			PU-31				170
		MPUA&T, Jhalawar	KU-96-3				100
		MPUA&T, Rajsamand	PU-31				500
		KVK, Banasthali, Tonk	PU-40				600
			RBU-38				600
			IPU 94-1				340
	Til(Sesame)	ARS, Jalore	RT-46		756		
		ARS, Sumerpur	RT-127		70		
		ARS, Mandore	RT-46		150		80
		ARS, Mandore	RT-127		50		300
		ARS, Jalore	RT-346				1315

		ARS, Jalore	RT-127					953
		KVK, CAZRI Pali-Marwar	RT 346					250
	Gaur	MAF, Rojari	RGC-1002		400			
		MAF, Rojari	RGC-1003		1000			
		MAF, Rojari	RGC-936		700			
		ARS, Bikaner	RGC-936		330			600
		ARS, Bikaner	RGC-1003		280			
	Cowpea	ARSS, Tabiji	RCV-7		75			
		KVK, Tabiji Farm, Ajmer						200
		KVK, Banasthali, Tonk	RC-101					160
	Groundnut	ARS, Bikaner	HNG-10		8000			
	Mothbean	ARS, Bikaner	RMO-40		300			
	Castor	ARSS, Sumerpur	RHC-1					1100
	Dhaicha	MPUA&T, Chittorgarh	Local					300
BIHAR	Maize	RMR&SPC, DMR, Begusari	HKI-193-1		7500			
			HKI-163		2000			
			BML-6		2000			
			BML-7		1000			
		Rajendra Ag Uv	Saktiman					1600
			Laxmi			2000		
			Deoki					350
	Paddy	Rajendra Ag Uv	Rajendra Sweta			12000		
			R. Bhagwati		60	20000		
			Prabhat		150	7500		
			MTU 1010			1500		
			R.Suwashini			1500		
			R. Kasturi			1500		
			CSR 36		200	8000		
		BAU, Sabour, Bhagalpur	Rajendra Bhagavati			13950		
			Rajendra Mahsuri			3750		
			MTU 1001		480	4200		
			Rajendra Kasturi			30		
			Usar Dhan		240			
			Rajendra		210			

			Suwasini					
	Arhar	Rajendra Ag Uv	Malavia 13		1000	80		
			Bahar		240	1000		
			Pusa-9		400	1500		
			NDA1		360	1165		
JHARKHAND	Paddy	KVK Lohardaga	Lalat			4700		
		KVK Bokaro	Lalat			2550		
		KVK Bokaro	Abhishek			1200		
		KVK Giridih	Lalat			2820		
			MTU7029*			300		
		KVK Pakur	MTU7029*			13000		
		Gauria Karma Farm, Hazaribagh	Lalat			19200		
			IR64			2400		
			Abhishek			1980		
		RAC Farm, Kanke, Ranchi	MTU7029*			400		
		ZRS Chianki	Sahbhagi			10000		
			Navin				8000	
	Maize	Gauria Karma Farm, Hazaribagh	HQPM-1			600		
ANDHRA PRADESH	Rice	DRR, Hyd	Jaya		2500			
			Dhanarasi		1000			
			Mahsuri		700			
			Sampada					1800
			Akshaydhan					2000
			Krishna Hamsa					1800
			DRR Dhan 38					900
			Jarava					1000
			Varadhan					500
	Sorghum (Grain)	DSR, Hyd	SPV 462 (PSV1)					2000
	Sorghum (Forage)		CSH 20 MF					400
			CSV 21 F					350
	Sweet Sorghum/ Forage		CSV24SS					800
			CSH 22 SS					150
UTTRANCHAL	Groundnut	VPKAS, Almora	VLGN1					150

	Finger Millet	VPKAS, Almora	VL Mandua 324		5			
			VL Mandua 149					15
MANIPUR	Rice	CAU, Imphal	CAU-R 1					4000
HARYANA	Mungbean	CCSHAU, Hisar	Satya	120	22		370	
			Basanti	80			1800	
			MH 421	180				
			MH 125			3100		
			MH 318			120		
			Pusa 9531		1000			
	Rice	IARI, RS, Karnal	Pusa Basmati 1		16300			
		IARI, RS, Karnal	Improved Pusa Basmati 1		3500			
		IARI, RS, Karnal	Pusa Sugandh 3		3000			
		IARI, RS, Karnal	Pusa Sugandh 5		900			
	Pigeonpea	CCSHAU, Hisar	Paras	15				
			Manak	15				
	Clusterbean (Guar)	CCSHAU, Hisar	HG 2-20		66			
			HG 563			280	50	95
	Urdbean	CCSHAU, Hisar	UH-1	80				
	Pearl millet	CCSHAU, Hisar	HHB-223					219
	Sorghum	CCSHAU, Hisar	HJ-513		35			
CHATTISGARH	Paddy	IGKV, Raipur	Danteshwari	360				
			IR 36	1560				
			Karma mahsuri	120				
			MTU 1010		450			
			Chandahasini		30			
			BPT 5204				390	
			Jaldubi	500	500			
	Finger millet		GPU 28		2880			
	Pigeon pea		Rajeev lochan				80	
			Asha		250			
Delhi (NBPGR)	Moong		Pusa Vishal					100
TAMIL NADU	Paddy	TNAU, Coimbatore	ADT 37		1265	13440		
			ADT 39		10710	14450		2772

		ADT 43	8979	19041	626
		ADT (R) 45	3745	14810	230
		ADT 45		2700	
		CO 43	1747	5610	
		ADT (R)47	1482		
		TNAU CMS 2A	199		
		CB 87 R	326		
		Bhavani	200		1280
		CO (R) 48	500		
		CO (R) 49	1300		2500
		CO (R) 50	1200	1470	1200
		ADT 38	1000		
		ADT 36	1500		800
		ADT 42	900		
		ADT 44	250		
		ADT (R) 46	1000		6000
		ADT (R) 48	350		
		TKM 9	1000		
		ADT 36	800	1350	800
		IR 36	200		
		I.W.Ponni		17690	
		CR 1009		19000	25000
		ASD 16		17480	18019
		ASD 18			2420
		NLR 34449		4194	
		ADT (R) 49			10500
	Sorghum	CO 27			1000
		K 8	52		
		CO (S) 28	17		
	Finger Millet (Ragi)	CO 13	61		
		CO (Rg) 14	116		
	Greengram	CO (GG) 912	230		
	Cowpea	CO 6	350		
	Groundnut	VRI 2	420		
	Sesame	TMV (Gn) 13	300		
		VRI (Sv) 1	94		
		VRI (Sv) 2	132		
		TMV 3	30		
	Sunflower	SVPR 1	88		

			Morden		150		
	Castor		TMV 5		64		
			TMV 6		52		
			<b>TOTAL</b>				
UTTAR PRADESH	Pigeonpea	IIPR, Kanpur	Long duration		6400		
		IIPR, Kanpur	Narendra Arhar 1		5500		
		IIPR, Kanpur	Bahar		2600		
	Mungbean	IIPR, Kanpur	Meha		600		
		CSAUA&T, Kanpur	PDM-139				440
	Sorghum	CSAUA&T, Kanpur	CSV-13				294
			CSV-15				305
			Bundela				668
	Forage Sorghum	IGFRI, Jhansi	MP Chari		300		
	Forage	IGFRI, Jhansi	Subrabool		1000		
		IGFRI, Jhansi	Dinanath Grass		2000		
	Rice	GBPUAT, Pantnagar	Pant Dhan-12				1500
			Pant Dhan-11				1000
			Pant Dhan-18				2200
		NDUAT, Faizabad	Swarna Sub-1				25000
			Vardan				15000
			Sambhi Mansuri				1600
		CSAUA&T, Kanpur	NDR 359				25190
			NDR-97				28095
			Pant-12				30
			Sambha Mansoori				1193
			Pusa Basmati-1				5928
			Improved Basmati				480
			Sugandha-6				357
			Sarju-52				3660
	Maize	CSAUA&T,	Gaurav				100

		Kanpur						
			Kanchan					100
	Blackgram	CSAUA&T, Kanpur	Pant U-35					500
			Shekhar-2					45
			Azad-2					38
			Azad-3					108
	Sesame	CSAUA&T, Kanpur	Shekhar					45
			T-78					3
UTTARAKHAND	Greengram	GBPUAT, Pantnagar	Pant Moong-5					500
			Pant Moong-2					600
			Pant Moong-4					400
			Pant Moong-6					100
	Rice		Pant Dhan 12					1500
			Pant Dhan 11					1000
			Pant Dhan 18					2200
			Govind					1500
	Blackgram		Pant U-35					500
	Maize		Gaurav					100
			Kanchan					100
	Fodder		Pant Chari 5					50
			Pant Chari 6					20
ASOM	Rice	AAU, Jorhat	Joymoti		0	1400		
		AAU, Jorhat	Swarnav		0	4320		
		AAU, Jorhat	Dinanath		0	2800		
	Toria	AAU, Jorhat	TS-38		1420	5601		
		AAU, Jorhat	TS-36		380	9971		
		AAU, Jorhat	TS-46		0	65		
		AAU, Jorhat	M-27		220	1040		
		AAU, Jorhat	TS-67		0	150		
	Jute	AAU, Jorhat	Tarun		10	635		
		AAU, Jorhat	JRC 212		0	60		
	Greengram	AAU, Jorhat	Pratap		5480	203		
	Blackgram	AAU, Jorhat	T9		0	514		
		AAU, Jorhat	PU 31		0	797		
		AAU, Jorhat	KU 301		70	909		
		AAU, Jorhat	USJD 113		65	181		
	Sesame	AAU, Jorhat	ST 1683		0	1384		
	Planting Material	IGFRI, Jhansi	NXB Hybrid		3 Lakh			

		IGFRI, Jhansi	Guinea grass		10 Lakh			
		IGFRI, Jhansi	Other grass		5 Lakh			