



सत्यमेव जयते

# NATIONAL CONFERENCE ON AGRICULTURE FOR ZAID/SUMMER CAMPAIGN 2022

27<sup>th</sup> January, 2022

Zaid/Summer Prospects

Strategies



**Shubha Thakur**

Joint Secretary (Crops & Oilseeds)  
Department of Agriculture & Farmers Welfare,  
Ministry of Agriculture and Farmers Welfare

# RAINFALL SITUATION: MONSOON AND POST MONSOON (mm)

METEOROLOGICAL SUB DIVISIONS	Monsoon season (01.06.2021 to 30.09.2021)			Post-monsoon season (01.10.2021 to 31.12.2021)			Winter season (01.01.2022 to 21.01.2022)		
	Actual	Normal	% Dep.	Actual	Normal	% Dep.	Actual	Normal	% Dep.
EAST & NORTH EAST INDIA	1246.2	1410.4	-12%	186.3	166.7	12%	14.2	10.5	35%
NORTH WEST INDIA	575.9	599.5	-4%	80.5	55.9	44%	61.0	19.7	210%
CENTRAL INDIA	1012.5	976.6	4%	106.4	76.0	40%	21.4	5.0	327%
SOUTH PENINSULA	804.2	726.2	11%	444.6	277.1	60%	18.4	7.0	163%
COUNTRY AS A WHOLE	874.6	880.6	-1%	177.7	123.8	44%	31.8	10.8	195%

# REGION WISE LIVE STORAGE OF WATER IN MAJOR RESERVOIRS (2021 & 2022) as on 20.01.2022

Region	2022 (%)	2021 (%)
Northern Region	51.2	40.0
Eastern Region	66.0	62.0
Western Region	73.0	80.0
Central Region	66.4	65.9
Southern Region	74.0	72.0
All India	68.0	67.0
Live Storage (in BCM):	120.00( 68%)	117.59(67%)
10 YRS AVERAGE	96.40 BCM	
Total live Storage capacity full reservoir Level	175.37 (BCM)	

Total reservoirs : 137

- 119 reservoirs : > 80% capacity of normal storage.
- 11 reservoirs : 51% - 80% capacity of normal storage.
- 5 reservoirs : 31% - 50% capacity of normal storage.
- 2 reservoirs: upto 30% of normal storage.

Source: CWC Gol. As on 20.01.2022.



# Season-wise estimated area coverage of different crops : 2021-22

Crop	Area (lakh ha)					
	Normal Kharif	Kharif (1st Advance Estimates 2021-22)	Difference	Normal Rabi	Rabi 2021-22 Area sown As on 21.1.2022	Difference (+/-)
Rice	395.66	411.46	15.5	42.51	23.61	-18.90
Wheat	-	-	-	303.06	340.82	37.76
Total Pulses	135.27	135.19	-0.08	146.14	164.35	18.21
Total Oilseeds	183.50	194.19	10.69	77.38	101.16	23.78
Total Coarse Cereal	183.59	167.76	-15.83	56.05	49.40	-6.65
Total Crops	898.02	905.30	7.28	625.14	679.34	54.20
NOTE:	Estimated area coverage for Rabi 2021-22 as on 21.01.2022					

# Trend & Area coverage under Zaid/Summer

(Area in lakh ha.)

S. N	Crops	2020	2021
1.	Pulses	10.64	17.82
	• Green gram	8.31	14.45
	• Black gram	2.01	2.98
	• Other pulses	0.32	0.39
2.	Coarse/Nutri-Cereals	11.67	12.15
	• Maize	7.23	7.85
	• Bajra	3.46	3.42
	• Jowar	0.81	0.67
	• Ragi	0.17	0.21
3.	Oilseeds	9.78	10.87
	• Groundnut	5.31	5.95
	• Sunflower	0.52	0.56
	• Sesamum	3.90	4.27
	• Other Oilseeds	0.04	0.11
	Pulses+ Coarse cereals+ Oilseeds	32.09	40.85
Note:	Rice : Targeted for diversification. Some states grow summer rice (Area 20 ~ 30 lakh ha in an overlaps seasons counted during summer. Summer vegetables are also grown in many states.		



# LIMITATIONS OF SUMMER CROPS

- **Growing season is short (March-May)**
- **Less moisture demanding crops only**
- **Grown in assured irrigation facilities**
- **Stray & wild animals cause damage**
- **Inadequate thrust on summer season area coverage**
- **Season specific varieties needed**



# Existing supportive programs for summer crops

- Ongoing Targeting Rice Fallow Areas (TRFA) program is for 15 States to promote Pulses & Oilseeds.
- Intercropping in Oilpalm (NFSM - OilSeeds & Oil Palm) plantation
- Intercropping in Sugarcane (NFSM - Pulses) - Spring planting (March-April)
- Summer vegetables under MIDH/RKVY
- Total summer field crops projected area (except Rice) 52.72 lakh ha



# State-wise area projected for coverage under zaid/summer crops (2022)

S. No	States	Projected Area during summer 2022 (lakh ha)															
		Pulses				Oilseeds					Coarse/Nutri-cereals					Grand	
		Moong	Urad	Other	Total	G.nut	Sesame	S. flower	Other	Total	Maize	Jowar	Bajra	Ragi	Other Millets	Total	Total
1	AP	1.00	0.05	0.00	1.05	0.36	0.08	0.03	0.00	0.47	0.40	0.06	0.03	0.03	0.12	0.64	2.16
2	Assam	0.05	0.15	0.00	0.20	0.00	0.02	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.23
3	Bihar	4.00	0.00	0.00	4.00	0.00	0.01	0.07	0.00	0.08	2.00	0.00	0.00	0.00	0.00	2.00	6.08
4	Chg	0.20	0.15	0.00	0.35	0.30	0.04	0.05	0.00	0.39	0.70	0.00	0.00	0.00	0.00	0.70	1.44
5	Guj	0.70	0.18	0.00	0.88	0.65	1.00	0.00	0.00	1.65	0.09	0.00	2.95	0.00	2.70	5.74	8.27
6	Har	0.05	0.00	0.00	0.05	0.00	0.00	0.12	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.17
7	H.P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	J&K	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
9	Jhar	0.04	0.01	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.06
10	Karnataka	0.03	0.02	0.08	0.13	1.90	0.00	0.15	0.01	2.06	0.30	0.03	0.05	0.06	0.11	0.55	2.74
11	M.P.	5.00	0.42	0.00	5.42	0.05	0.00	0.00	0.00	0.05	0.15	0.00	0.00	0.00	0.00	0.15	5.62
12	M.H.	0.00	0.00	0.16	0.16	1.20	0.10	0.03	0.09	1.42	0.55	0.30	0.00	0.00	0.27	1.12	2.70
13	Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	Odisha	3.00	0.28	0.00	3.28	0.40	0.30	0.05	0.02	0.77	0.30	0.00	0.00	0.02	0.04	0.36	4.41
16	Punjab	0.25	0.00	0.00	0.25	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.28
17	Rajasthan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	T.N.	1.50	1.14	0.06	2.70	0.50	0.50	0.03	0.01	1.04	0.05	0.15	0.01	0.09	0.22	0.52	4.26
19	Telangana	0.01	0.00	0.00	0.01	0.24	0.09	0.02	0.01	0.36	0.62	0.18	0.07	0.01	0.23	1.11	1.48
20	Tripura	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
21	U.P.	1.00	0.65	0.00	1.65	1.25	0.00	0.01	0.00	1.26	1.90	0.00	0.75	0.00	0.62	3.27	6.18
22	U.K.	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.05
23	W.B	0.70	0.08	0.00	0.78	0.75	3.10	0.20	0.00	4.05	1.70	0.00	0.00	0.00	0.00	1.70	6.53
	Total	17.58	3.13	0.34	21.05	7.60	5.25	0.79	0.14	13.78	8.79	0.72	3.86	0.21	4.31	17.89	52.72

**Note:** Some states grow summer rice Area 20 ~ 30 lakh ha in an overlaps season.



# PREPAREDNESS

- **Inputs prepositioning (January and February)**
  - Seeds, fertilizers, nutrients, plant protection chemicals/equipments, machinery and agro-chemicals, schemes resource uses
  - Coordination with line departments (credit, power, irrigation)
  - Arrangement for protection of summer crops where stray animals can impact
- **Mobilizing extension staff**
  - Convergence with ATMA, NFSM and other schemes
- **Active involvement of SAUs/KVKs**
  - Technical backstopping for cluster demonstrations, capacity building
  - Timely implementation of schemes
  - Effective monitoring and feed back
  - Pest/diseases diagnosis and remedies
- **States to prepare their crop strategy for varieties/hybrids released by SAUs/ICAR**
  - Seeds production for Kharif, Rabi and Summer for short duration crops





Thank You