

### **Fertilizers**

### Fertilizer Plan and Supplies

During the year 2017-18, 33.43 lakh MTs of fertilizers were consumed against the plan of 35.96 lakh MTs. The fertilizer requirement planned for the year 2018-19 is 37.25 lakh MTs of fertilizers (18.60 lakh MTs for Kharif 2018 + 18.65 lakh MTs for Rabi 2018-19).

### Strategies to reduce consumption

Chemical fertilizers play a vital role in increasing crop yields. But usage of Chemical fertilizers alone without organic/bio fertilizers leads to unproductive soils and low income. To over come this problem, Department of Agriculture is implementing different strategies to reduce/minimize the usage of chemical fertilizers and to achieve optimum yields for unit of fertilizer applied.

- Sensitizing farmers on Soil Test Based Fertilizer application.
- Supply of Neem Coated Urea (100 percent) to the Farmers
- Special focus on promoting Green manure crops.
- Sensitize farmers on usage of customized fertilizers which are crop specific, crop stage specific and location specific. Usage of customised fertilizer ensures optimum availability of plant nutrients to the crops. This reduces fertilizer usage/plug excess usage.
- Encouraging farmers to adopt 'Zero Budget Natural Farming'.
- Encouraging farmers to correct Micronutrient deficiencies and use of Soil amendments for correction of soil salinity and Alkalinity or Acidity.
- Encourage farmers to go for 'Micro Irrigation method of watering and Fertigation method for fertilizer application'.

### Buffer maintenance by AP Markfed

During the year 2018-19, APMARKFED was identified as Nodal Agency and was directed to maintain  $2.00 \, \text{lakh} \, \text{MTs} \, (1.50 \, \text{lakh} \, \text{MTs} \, \text{Urea} + 0.25 \, \text{lakh} \, \text{MTs} \, \text{DAP} + 0.25 \, \text{lakh} \, \text{MTs} \, \text{Complexes})$  of fertilizer buffers in the state vide G.O. No 209, Dt.06.04.2017.

In the year 2018-19, budget estimate for the scheme is Rs.4000 lakhs towards incidental charges such as insurance, handling, storage and transportation etc for 2.00 lakh MTs of fertilizer buffers.

### **Nutrient Based Subsidy Policy (NBS Policy)**

Department of Fertilizers (DoF), Government of India communicated the New Nutrient Based Subsidy Policy effective from 01.04.2010 and continued in the year 2018-19 also.

### Salient features of NBS Policy

- ➤ **Products covered:** The NBS is applicable to DAP, MOP, MAP, TSP, 15 grades of complex fertilizers, Ammonium Sulphate (of GSFC & FACT) and SSP.
- Subsidy applicable: The primary nutrients of N,P,K and Sulphur (S) are eligible for subsidy. (The per Kg subsidy N- Rs.18.901, P-Rs.15.216; K-Rs.11.124; S- Rs.2.722/- for the year 2018-19)
- Additional subsidy per Tonne is given for fertilizers carrying other secondary and micro nutrients. This is to encourage balanced use of fertilizers. The per MT additional subsidy on Boron is Rs. 300/- & for Zinc Rs.500/-.
- The Department of Fertilizers (DoF) fixes the subsidy on fertilizers and the companies will decide the MRPs.
- Printing on the Bags: The fertilizer companies are required to print the Maximum Retail Prices (MRP) along with the applicable subsidy on the fertilizer bags clearly. Any sale above the printed MRP will be punishable under EC Act.
- All the Fertilizer Inspectors will ensure compliance of the above item.
- The distribution and movement of fertilizers along with import of finished fertilizers, fertilizer inputs and production by indigenous units will continue to be monitored through the online web based "Integrated Fertilizer Monitoring System (iFMS)/ (Erstwhile FMS and mFMS).

### **Supply Plan of Fertilizers**

- ➤ The product-wise monthly allocations to the States i.e. supply plans will be decided and communicated to the States by the Department of Fertilizers (DoF), GoI and in turn to the districts from the State head office.
- The district-wise, month-wise and nutrient wise fertilizer requirement for Kharif 2018 and Rabi 2018-19 is given in the **Annexure I.**

### **Integrated Fertilizer Monitoring System (IFMS)**

- Government of India has decided to implement "iFMS" (Integrated Fertilizer Monitoring System) to track the movement and information availability and visibility across whole Supply Chain,
- The Department of Fertilizer is implementing the project and National Informatics Centre (NIC) and Ministry of Communication & Information Technology are technology partners.

### Objective of the Project

- The objective of the iFMS (Integrated Fertilizer Management System) is to monitor the movement of the fertilizer from the company to Warehouse & Wholesalers, again from Wholesalers to Retailers.
- The iFMS system will help in monitoring the movement of Fertilizer's consignments and its stock position at various warehouses, wholesalers, and retailers.

The system will also act as a tool for Government Bodies to track and ensure the timely distribution of fertilizers to the farmers.

It is proposed to be done in Three Phases

### Phase 1: Information visibility till the retailer

The objective of this phase is to create <u>information visibility</u> of the movement of fertilizer along with the supply chain from the manufacturer to the retailer.

### Phase 2: Subsidy payment to Manufacturer

In the intermediate stage the subsidy will be released to the manufacturer when the retailer receives the fertilizer.

### Phase 3: Subsidy payment to farmers

It is envisaged that the subsidy will be released to the farmer in the long run, once the coverage of Aadhar is extensive throughout the country.

It is proposed to be done in two phases:

- a. Information flow on sales to individual farmers
- b. Transfer of subsidy to farmers.

S.No.	Districts	No. of Sale transaction	Quantity sold (MTs)
1	Visakhapatanam	41,027	10,458
2	Vizianagaram	75,851	24,273
3	Anantapuramu	1,07,092	34,682
4	Prakasam	1,51,289	50,581
5	Chittoor	1,94,058	65,248
6	East Godavari	4,48,921	1,54,072
7	Srikakulam	54,156	20,532
8	Y. S.R. Kadapa	1,16,260	51,403
9	Krishna	1,91,293	1,01,748
10	Guntur	3,06,355	1,64,330
11	Kurnool	1,81,872	1,06,065
12	S.P.S.R Nellore	2,71,128	1,61,209
13	West Godavari	3,02,289	2,78,379
	Grand Total	24,41,591	12,22,980

### **DBT**(Direct Benefit Transfer )

The Department of Fertilizers, Govt. of India will release 100 percent Subsidy on various fertilizer grades to the manufacturers based on the Net receipts to the districts till last year. Modified DBT was evolved in which the subsidy payments will be made to the manufacturers based on the actual sales to the farmers by the retail dealers. DBT implementation and Transactions made so far



Initially, the modified DBT (**AeFDS**) subsidy procedure was introduced on pilot basis in Krishna & West Godavari districts of Andhra Pradesh from Rabi 2016-17 w.e.f 01.10.2016. In the second phase, the Modified DBT (AeFDS) implemented in the remaining districts from 01.12.2017.

### Action Plan for 2018-19

Fertilizer was declared as Essential Commodity and is a critical input in crop production. The Fertilizer Control Order, 1985 and Fertilizer Movement Control Order, 1973 regulates the quality and movement aspects of the fertilizers, to ensure supply of quality fertilizers to the farming community.

The department is taking following necessary steps to ensure the supply of quality fertilizers to the farmers.

- An annual prorata target of *10,000 fertilizer samples*, proposed to be drawn during 2018-19, is communicated to the districts. The district-wise, month-wise and product-wise targets are annexed herewith in Annexure-IV.
- The district JDAs are requested to instruct the concerned Fertilizer Inspectors to adhere strictly to the product-wise targets communicated without any deviation. Top priority should be given to drawal of as many fertilizer samples of NPK, Granulated mixtures, Micronutrients, SSP fertilizers supplied under subsidy, as possible to ensure that quality fertilizers are supplied to the farmers
- There are three composite labs in the State located at Bapatla (Guntur), Ananthapuramu and Tadepalligudem (West Godavari) with an annual analyzing capacity of @ 3500 fertilizer samples per lab and 3 more labs are sanctioned at Ongole, SPSR Nellore(Bio & Organic Fertilizers) and Amaravathi. These labs analyse the fertilizer samples received from all over the state to ensure quality of fertilizers supplied to the farmers.
- Pre-season inspections duly forming internal squads for 100 percent verification of all the licensed fertilizer dealers to ensure that the dealers are complying with the provisions of FCO, 1985 will be taken up by the district JDAs. And also instructed to take stringent action against erring dealers such as cancellation of licences, as per applicable provisions of FCO, 1985.
- > Vigilant monitoring at vulnerable check posts especially in border districts to check the inter-state movement of fertilizers in coordination with revenue and police department.

## Fertiliser requirement during Kharif 2018

S No	DISTBICT		April-18	1-18			May-18	-18			June-18	s-18			July-18	-18	
S.IVO.		N	Ь	K	Total	N	Р	K	Total	N	P	K	Total	N	P	K	Total
1	Srikakulam	1130	368	302	1800	1661	840	727	3228	6293	3236	1047	10576	4129	1336	1339	6804
2	Vizianagaram	682	389	198	1269	1125	169	306	2122	3948	3318	920	8185	6440	4982	1982	13404
3	Visakhapatnam	1277	702	138	2117	1385	1010	198	2593	2136	1106	504	3746	5336	3302	793	9431
4	East Godavari	3751	703	797	5251	2499	1245	1201	4944	81251	42615	18222	142088	15471	4146	3081	22697
5	West Godavari	3902	1150	1037	6809	3645	1600	1563	8089	7455	3080	3157	13692	12280	4436	4682	21398
9	Krishna	3050	1544	456	5050	4380	2910	1069	8359	8650	6160	1611	16421	16410	10058	3185	29653
7	Guntur	2622	942	287	3851	7410	3440	1009	11859	16453	8576	2271	27300	26983	16550	4087	47620
8	Prakasam	2157	1098	969	3951	2986	1616	1345	5947	3812	2132	1693	7637	4623	2588	2341	9552
6	S.P.S.R.Nellore	2906	1112	396	4414	2775	1445	969	4916	3877	1143	969	5716	2055	966	969	3747
10	Kurnool	4005	1914	541	6460	5815	3822	950	10587	8705	5510	1395	15610	10347	7422	1828	19597
111	Ananthapuramu	1913	1254	421	3588	4658	2950	866	8606	6293	3236	1047	10576	8269	4498	1468	14235
12	Y.S.R.Kadapa	1649	1168	505	3322	2208	1620	299	4494	3948	3318	920	8185	4063	2884	949	7896
13	Chittoor	1610	370	193	2173	7455	3080	3157	13692	2136	1106	504	3746	2609	1202	614	4425
	Total:	30653	12714	5970	49337	48001	26269	13888	88158	154955	84536	33986	273478	119014	64400	27045	210459

## Fertiliser requirement during Kharif 2018

2			August-18	st-18			September-18	ber-18			Kharif	Kharif 18 Total	
S.N0	DISTRICT	N	Ь	K	Total	N	Ь	K	Total	N	P	K	Total
1	Srikakulam	0999	2140	2004	10804	7391	1992	2307	11690	27263	9912	7726	44902
2	Vizianagaram	11167	6030	2859	20056	10762	2426	4489	17677	34123	17836	10755	62714
3	Visakhapatnam	8351	2160	1669	12180	7747	516	1668	9931	26231	8796	4971	39998
4	East Godavari	16311	3166	3062	22538	7628	1142	1045	9814	126909	53017	27406	207333
5	West Godavari	12028	4080	3506	19614	10360	3294	3127	16780	49669	17640	17073	84382
9	Krishna	17210	8582	2460	28252	17804	5968	3626	27398	67504	35222	12408	115134
7	Guntur	17210	8582	2460	28252	14652	3690	1182	19524	85330	41780	11297	138407
8	Prakasam	6548	4058	2534	13140	8395	5088	2378	15861	28521	16580	10987	56088
6	S.P.S.R.Nellore	1992	1004	276	3272	3911	1190	816	5917	17516	0689	3578	27984
10	Kurnool	16735	9266	2753	29464	18395	9476	2753	30624	64002	38120	10220	112342
11	Anantapuramu	8091	4340	1324	13754	4652	2342	758	7751	33875	18620	6015	58510
12	Y.S.R.Kadapa	4384	3510	1597	9491	3550	2980	1849	8379	19800	15480	6487	41767
13	Chittoor	3144	1278	624	5046	1972	474	379	2825	18925	7510	5473	31908
	Total:	129828	58906	27129	215863	117218	40578	26377	184173	599669	287403	134395	1021467

## Fertiliser requirement during Rabi 2018-19

S No	DICTOICE		Octol	October-18			Noven	November-18			December-18	ber-18			January-19	ry-19	
O.T.C		N	P	K	Total	Z	Ь	K	Total	N	Р	K	Total	N	Р	K	Total
1	Srikakulam	4342	98	520	4948	1906	202	141	2552	2591	2038	711	5340	1049	501	185	1734
2	Vizianagaram	2820	154	889	3663	1976	626	261	2862	3008	1887	707	5601	1463	358	231	2051
3	Visakhapatnam	1727	174	319	2220	714	253	78	1045	6836	3154	1351	11342	681	187	55	924
4	East Godavari	6371	1493	1764	9628	5994	2884	1064	9942	96912	47304	16258	160474	13429	5114	3565	22108
5	West Godavari	9620	5788	2787	18195	13572	7435	3326	24333	15347	9250	3807	28403	26205	10360	3355	39920
9	Krishna	8510	3075	3019	14604	4197	2751	1071	8019	3874	2128	835	6837	6540	2788	1206	10533
7	Guntur	15897	6643	1781	24320	10366	4870	1391	16627	7313	4720	1063	13096	12523	5276	881	18679
8	Prakasam	10133	4483	963	15579	9920	2825	1914	17620	8289	3673	934	11485	5624	2927	525	9016
6	S.P.S.R.Nellore	4725	2038	879	7343	7252	4727	901	12880	28449	10396	3233	42078	22529	5952	3510	31991
10	Kurnool	11481	6714	2799	20994	5940	3338	1440	10718	5287	3068	1488	9842	5019	3462	962	9443
11	Anantapuramu	5122	2465	817	8404	3813	2588	934	7336	2591	2038	711	5340	2698	1255	875	4829
12	Y.S.R.Kadapa	5905	2835	1225	5966	4182	1807	841	6829	3008	1887	707	5601	4374	1821	624	6819
13	Chittoor	2096	828	231	3155	15347	9250	3807	28403	6836	3154	1351	11342	7479	1477	671	9627
	Total:	88749	36779	17491	143019	85181	46818	17169	149168	188929	94698	33156	316783	109611	41478	16646	167735

# Fertiliser requirement during Rabi 2018-19

C MIS	TOTALSTA		Febru	February-19			Mar	March-19		I	Rabi 2013	Rabi 2018-19 Total	al	
S.N0		Z	- I	K	Total	Z	P	K	Total	Z	P	K	Total	
1	Srikakulam	1561	1235	134	2930	1980	1753	81	3813	13427	6118	1773	21318	
2	Vizianagaram	2196	1254	191	3642	1786	1041	110	2937	13249	5320	2187	20756	
3	Visakhapatnam	1224	582	50	1855	1519	279	21	1819	12701	4631	1874	19206	
4	East Godavari	9213	3906	1453	14572	6571	3827	869	11096	138490	64528	24802	227820	
5	West Godavari	11115	5091	2777	18982	9737	5627	1273	16636	85595	43551	17324	146470	
9	Krishna	11163	7223	1058	19445	9603	5384	1810	16798	43887	23350	6668	76236	
7	Guntur	11163	7223	1058	19445	8278	6093	1034	15405	65540	34825	7208	107573	
8	Prakasam	4366	3405	636	8406	5882	3115	432	9429	42802	23389	5405	71596	
9	S.P.S.R.Nellore	10252	4089	4066	18407	10264	4262	1443	15968	83471	31463	13733	128667	
10	Kurnool	7482	8881	1907	18269	11521	7401	1315	20237	46729	32864	9910	89503	
11	Anantapuramu	4176	3468	931	8576	4620	2560	405	7585	23021	14375	4674	42071	
12	Y.S.R. Kadapa	4757	1226	463	6445	6392	2498	881	9771	28617	12074	4740	45431	
13	Chittoor	5616	2014	603	8233	6889	2310	617	9826	44233	19033	7280	70546	
	Total:	84284	49596	15327	149206	85010	46151	10119	141281	641764	315521	109908	1067192	

### Annexure - I (c)

Abstract of Nutrient Requirement during 2018-19

		Total	66219	83470	59203	435153	230851	191370	245980	127684	159951	201845	100581	841198	102453	2088659
		T	99	83	59		23(	19	24	12′	150	20	10	87	10.	
	Total 2018-19	У	6646	12942	6844	52208	34397	21407	18505	16392	17311	20130	10689	11227	12753	244303
	Total 2	P	16030	23156	13427	117545	61191	58572	76605	39969	38353	70984	32995	27554	26543	602924
		N	40691	47372	38932	265400	135264	111391	150870	71323	100987	110731	96899	48417	63158	1241433
71-0107		Total	21318	20756	19206	227820	146470	76236	107573	71596	128667	89503	42071	45431	70546	1067192
t uning	Rabi 2018-19	K	1773	2187	1874	24802	17324	6668	7208	5405	13733	9910	4674	4740	7280	109908
	Rabi 2	Ь	6118	5320	4631	64528	43551	23350	34825	23389	31463	32864	14375	12074	19033	315521
tour med		N	13427	13249	12701	138490	85595	43887	65540	42802	83471	46729	23021	28617	44233	641764
abstract of fruit for frequitement uniting 2010-1.		Total	44902	62714	39998	207333	84382	115134	138407	56088	27984	112342	58510	41767	31908	1021467
negra	Kharif 2018	K	7726	10755	4971	27406	17073	12408	11297	10987	3578	10220	6015	6487	5473	134395
	Khar	Ь	9912	17836	9628	53017	17640	35222	41780	16580	0689	38120	18620	15480	7510	287403
		N	27263	34123	26231	126909	49669	67504	85330	28521	17516	64002	33875	19800	18925	599669
	District	District	Srikakulam	Vizianagaram	Visakhapatnam	East Godavari	West Godavari	Krishna	Guntur	Prakasam	S.P.S.R.Nellore	Kurnool	Anantapuramu	Y.S.R.Kadapa	Chittoor	Total:
	ONS	ONT'S	1	2	3	4	2	9	7	8	6	10	11	12	13	

Annexure - IV

Statement showing Month-wise, district-wise Fertilizer sample targets for the year 2018-19

NO.	Districts	lingA	YaM	June	Ylut	ısuguV	September	October	Мочетрег	<b>December</b>	nst	Еeb	Магећ	IstoT
	Srikakulam	10	15	20	30	50	40	30	5	10	5	5	10	230
2	Vizianagaram	10	10	20	30	50	40	10	20	15	15	10	10	240
3	Vishakapatanam	10	20	40	50	09	50	30	30	10	10	10	5	325
4	East Godavari	20	35	09	80	120	100	110	130	110	50	50	20	885
5	West Godavari	25	40	110	150	170	160	200	200	180	170	90	30	1525
9	Krishna	20	55	120	130	140	170	150	150	120	115	80	30	1280
7	Guntur	30	40	100	130	150	250	200	170	150	135	90	30	1475
8	Prakasam	20	20	50	40	06	110	110	06	80	09	9	20	750
6	S.P.S.R. Nellore	20	40	30	50	09	60	110	110	70	06	60	20	720
10	Kurnool	20	40	110	110	150	200	160	100	80	80	70	10	1130
11	Ananthapuramu	20	40	09	90	100	100	50	30	35	20	20	5	570
12	Y.S.R. Kadapa	10	30	09	70	40	90	06	09	25	20	20	10	525
13	Chittoor	20	25	30	40	20	30	50	40	45	20	20	5	345
	Total	235	410	810	1000	1200	1400	1300	1135	930	062	285	205	10000