Fertilizers - Movement and Quality Control

EMPTY PAGE

FERTILIZERS

Fertilizer Plan and Supplies:

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35.31 LMT of fertilizers consumed against the plan of 38.11 LMT during the year 2016-17. The Consumption was reduced to a quantity of 24kg(5.1%) per Ha compared with 2015-16 (consumption per Ha during 2015-16=476.4 kg and during 2016-17=451.96 kg).

The fertilizer requirement planned for the year 2017-18 is 35.56 LMT of fertilizers (16.85 LMT for Kharif 2017 + 18.71 LMT for Rabi 2017-18).

Strategies to Reduce Consumption: Chemical fertilizers will give Philip to increase yields but due to sole use of Chemical fertilizers without organic/ bio fertilizers, soils become unproductive/less remunerative. To correct this problem Department of Agriculture is planning/implement different strategies to reduce/minimize the chemical fertilizer to achieve optimum yields for the unit of fertilizer applied.

- ★ Sensitizing Farmers on Soil Test Based Fertilizer application.
- ★ 100% Neem Coated Urea Supply to the Farmers This is implemented.
- ★ Special focus on promoting Green manure crops.
- ★ Sensitize farmers about use of customized fertilizers which are crop specific, Crop stage specific & Location specific. So that efficient/optimum availability of plant nutrients to the crops. This reduces fertilizer usage/plug excess usage.
- ★ Encouraging farmers to adopt 'Zero based Natural Farming'.
- ★ Encouraging farmers to correct Micronutrient deficiencies and use of Soil amendments for correction of soil salinity and Alkalinity or Acidity.
- ★ Encourage farmers go for 'Fertigation in Micro Irrigation method of watering'.

Buffer maintenance by AP Markfed

During the year 2016-17, AP MARKFED as Nodal Agency was directed to maintain 2.00 LMT (1.50 LMT urea + 0.25 LMT DAP + 0.25 LMT complexes) of fertilizer buffers in the state vide G.O. No 364, Dt.19.05.2016. Government has created a sub-head under the scheme "storage, interest and other related costs of fertilizer buffers" and allocated Rs.6450 lakhs and an amount of Rs.4225 Lakhs was utilized for the said purpose.

In the year 2017-18, budget estimate for the scheme is Rs.500 lakhs temporarily towards incidental charges such as insurance, handling, storage and transportation etc for 2.00 LMT 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 1.4.2010 and continued in the year 2017-18 also.





Salient features of NBS Policy :

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- 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.15.854/-., P-Rs.13.241/-, K-Rs.15.470/-, S- Rs.2.044/- for the year 2016-17and Subsidy for the year 2017-18 is yet to be announced)
- Additional per Tonne subsidy 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 of 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 "Fertilizer Monitoring System (FMS)/mobile FMS".

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 head Office.

The district-wise, month-wise and nutrient wise fertilizer requirement for Kharif 2017 and Rabi 2017-18 are given in the **Annexure I.**

Mobile based Fertilizer Monitoring System (mFMS)

- Government of India has decided to implement an mFMS (Mobile based Fertilizer Monitoring System) to track the movement and information availability & visibility across whole Supply Chain.
- The Department of Fertilizer, Govt of India is implementing the project and National Informatics Centre (NIC), Ministry of Communication & Information Technology, Government of India is the technology partner.



OBJECTIVE OF THE PROJECT :

- ▷ The objective of the mFMS (Mobile Based Fertilizer Management System) is to monitor the movement of the fertilizer from the company to Warehouse, Wholesalers and from Wholesalers to Retailers.
- ▷ The proposed 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 the supply chain from the manufacturer till the retailer.

Phase 2 : Subsidy payment to Manufacturer

It is envisaged that the subsidy will be released to the retailer when he receives the fertilizer.

Phase 3 : Subsidy payment to farmers

In the Interim stage, it is envisaged that the subsidy will be released to the farmer in the long run, once the coverage of Aadhaar 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.

DBT(Direct Benefit Transfer) :

The Department of Fertilizers, Govt. of India will release 100% Subsidy on various fertilizer grades to the manufacturers based on the Net receipts to the districts till now. 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 dealers not the net receipts.

second phase the Modified DBT (AeFDS) will be implemented in all the Districts of A.P. from 1.07.2017 in Andhra Pradesh.

Aadhar enabled Fertilizer Distribution System (AeFDS) is started on pilot basis in Krishna and West Godavari districts. Following are the details of DBT as on 22.05.2017.

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S.No District	Go Live Date	Total Retailers	Retailer using PoS	Total No.of Transactions	Total Qty Sold in MTs
1. Krishna	1 st Oct'2016	981	981	241041	96555.049
2. West Godava	ari 1 st Oct'2016	1111	1111	479646	208109.187

Action Plan for the year 2017-18

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 target of *9725 fertilizer samples*, proposed to be drawn during 2017-18, will be communicated to the districts. The district-wise, month-wise and product-wise targets are annexed herewith in **Annexure-II.**
- 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 drawl of as many fertilizer samples of NPK mixtures, 100% WS complexes, SSP etc, as possible to ensure that quality fertilizers are supplied to the farmers.
- ★ There are three labs in the State located at Bapatla (Guntur), Ananthapur and Tadepalligudem (West Godavari) with an annual analyzing capacity of @ 3500 fertilizer samples per lab and 3 more labs are proposed to be established at Ongole, 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% 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-transport movement of fertilizers in coordination with revenue and police department.

Annexure - I

District wise / Month wise Fertiliser requirement during Kharif 2017

(Qty in MTs)

N.M. (1)PKTotalNPKTotalNPKTotalNPPKSrikakulam83930231414551985700648333340241538966655856311980Srikakulam83930231414551985700648333340241538996655856411980Vizianagaram7461571251028130531912102134882286478497301251035103Vizianagaram746157125102813053191214213468528627849730215103510Vizianagaram746157125125310411470146314701488122648732660Vizianagaram74613607055511818661638867784973318123516447West Godavari160513401556571813618793164812552359113716447West Godavari206713401255718138414831256471213671470135716447West Godavari206713401255718233414189609615532184625551440West Godavari2067140412525491371805443748054	s.			Apri	il-17			Ma	May-17			June-17	e-17			July-17	7-17	
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Visakhapatham746157125102813053191451769135535620219103021510East Godavari16059348523391470121421386862386223652241414688122264937West Godavari160593413697055511818661693867784973318308114985127524894West Godavari306513406255030459423281091801370853310153711932135716447West Godavari306513406255030459423281091801370853310153711992135716447West Godavari306513406255030459423281091801370853310153711992135716447West Godavari3065134062553304594232810410801370853310153711992135716447West Godavari206714041253530187227381041030517372184203510410West Godavari2067140412535301872273810410303766273510410West Godavari206715472058155721842052184255713472184West Godavari <t< th=""><th>2</th><th>Vizianagaram</th><th>481</th><th>210</th><th>134</th><th>825</th><th>648</th><th>350</th><th>204</th><th>1202</th><th>2893</th><th>1022</th><th>648</th><th>4563</th><th>4873</th><th>2660</th><th>972</th><th>8505</th></t<>	2	Vizianagaram	481	210	134	825	648	350	204	1202	2893	1022	648	4563	4873	2660	972	8505
East Godavari 1605 934 852 3391 4701 2142 1386 8228 8672 8622 3652 2414 14688 12226 4937 West Godavari 4083 1604 1369 7055 5118 1866 193 8677 8497 3318 3081 14895 1272 4894 West Godavari 3065 1340 625 5030 4594 2328 1091 8013 7085 3310 1537 11932 1371 6447 Krishna 2067 1440 625 5030 4594 2328 1091 8013 7085 3310 1537 11932 1371 6447 West Godavari 2067 1440 125 5334 5102 2316 2336 14189 6096 1537 1932 13471 7846 West Manu 2067 1444 125 3534 5102 2143 8054 4871 1690 903 7464 2577 1000 Nellore 3257 1544 663 5464 4919 1992 872 6989 4861 3117 3406 2577 1040 West Manu 2270 876 9279 872 1638 539 1646 2557 1000 West Manu 1056 876 872 6989 1676 125 8699 1092 872 8054 1066 8766 8766 2657 1040 </th <th>ε</th> <th>Visakhapatnam</th> <th>746</th> <th>157</th> <th>125</th> <th>1028</th> <th>1305</th> <th>319</th> <th>145</th> <th>1769</th> <th>1352</th> <th>356</th> <th>202</th> <th>1910</th> <th>3021</th> <th>510</th> <th>397</th> <th>3928</th>	ε	Visakhapatnam	746	157	125	1028	1305	319	145	1769	1352	356	202	1910	3021	510	397	3928
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Chittoor 1156 450 216 1822 2623 580 173 3376 3683 1566 641 5891 4583 1665 Total 28822 13925 6410 49157 49475 23474 10466 83415 80614 36552 16321 133486 12834 52258 2	12	1 1	1615	1022	449	3086	2931	1638	539	5108	4066	1918	592	6575	4635	2650	719	8004
I 28822 13925 6410 49157 49475 23474 10466 83415 80614 36552 1	13	<u> </u>	1156	450	216	1822	2623	580	173	3376	3683	1566	641	5891	4583	1665	523	6770
		Total	28822	13925	6410	49157	49475	23474	10466	83415	80614	36552	16321	133486	112834	52258	22570	187662

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S.			August-17	st-17		•1	September-17	1-1-1	7	×	Kharif 17 Total	7 Tota	
No.	DISTINCT	N	Ρ	К	Total	Z	Ρ	К	Total	N	d	Х	Total
1	Srikakulam	6463	2680	1369	10511	6901	2653	1663	11217	25842	6853	6012	41706
2	Vizianagaram	5675	2157	1610	9442	7509	988	2206	10703	22077	7387	5175	35240
3	Visakhapatnam	4137	815	642	5594	3955	746	757	5458	14518	2902	2267	19687
4	East Godavari	11131	4064	2496	17691	5398	1030	763	7191	43681	16759	11072	71513
5	West Godavari	11764	4172	3458	19393	8912	3386	2810	15107	51124	19240	17169	87533
9	Krishna	16330	7180	2848	26358	18291	7180	2968	28438	62936	27785	11618	102339
7	Guntur	13735	6910	1623	22268	7467	3220	697	11384	65034	30164	7857	103056
8	Prakasam	6720	4790	806	12316	6813	4140	1262	12214	28868	18841	3302	51011
6	Nellore	2116	1100	416	3632	3693	1422	845	5960	21413	8748	4805	34966
10	Kurnool	19005	11898	3642	34546	18700	10685	3378	32763	76778	45517	14425	136721
11	Anantapur	5506	2418	1250	9173	4047	1968	772	6786	28446	13125	5889	47461
12	Kadapa	3734	2014	500	6248	4077	1855	502	6434	21057	11097	3301	35455
13	Chittoor	4288	1608	678	6574	2192	812	375	3379	18525	6681	2606	27812
	Total	110603	51806	21336	183745	97952	40085	18997	157034	480300	218100	96100	794500

2017-18

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District wise / Month wise Fertiliser requirement during Kharif 2017 (Qty in MTs)

Ś	TOTOTOT.		Octok	October-17		I	November-17	ber-17	2		December-17	ber-17			January-18	ry-18	
No	INNIGI	Ν	d	К	Total	N	Р	K	Total	N	Ρ	K	Total	N	Ρ	K	Total
1	Srikakulam	4342	62	520	4924	1888	520	141	2549	731	341	144	1215	1049	455	185	1688
2	Vizianagaram	2820	108	688	3616	1958	704	261	2922	1267	519	177	1963	1463	305	231	1998
3	Visakhapatnam	1727	285	319	2331	715	305	78	1099	725	153	51	929	681	163	55	899
4	East Godavari	6268	1899	1675	9842	5940	2835	1004	9779	14655	6111	1775	22541	13094	4621	3657	21371
5	West Godavari	7731	7353	2794	17878	13741	8332	3517	25590	15948	9131	3905	28985	25980	9270	3126	38376
9	Krishna	8192	2459	3061	13712	4207	3460	948	8615	3853	2251	786	6890	6354	2908	1167	10430
7	Guntur	16577	6450	1861	24888	10732	5594	1419	17746	7268	4997	1035	13299	12530	5612	963	19105
8	Prakasam	8336	5308	1088	14731	7749	6118	1875	15742	6501	2846	836	10182	5304	2774	509	8587
6	Nellore	4734	2356	480	7570	7237	4959	866	13061	28441	10462	3388	42290	22614	6226	3585	32425
10	Kurnool	13095	7787	2733	23615	5706	3142	1638	10486	5004	2865	1452	9320	4975	3498	982	9455
11	Anantapur	5120	3147	816	9083	3813	2684	934	7431	2502	1695	669	4896	2847	1414	915	5176
12	Kadapa	5905	2709	1225	9839	4182	2357	841	7379	2977	1704	669	5381	4352	1700	619	6671
13	Chittoor	2194	780	231	3205	3038	1976	503	5517	6721	2945	1331	10997	7374	1421	673	9468
	Total:	87041	40704	17491	145236	70908	42986	14023	127916	96593	46020	16276	158889	108617	40366	16666	165649

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Ś	LUCTOL		Febru	February-18			Mare	March-18		To	Total Rabi - 2017-18	i - 2017.	-18
No	DINIT	N	Р	K	Total	Ν	Р	К	Total	N	Р	K	Total
1	Srikakulam	1561	1215	134	2910	1997	1757	81	3835	11568	4349	1205	17122
2	Vizianagaram	2196	1187	191	3575	1802	994	110	2906	11506	3818	1657	16981
3	Visakhapatnam	1224	536	50	1810	1514	203	21	1738	6586	1646	573	8806
4	East Godavari	9473	3986	1471	14930	6737	3938	721	11396	56167	23391	10301	89859
5	West Godavari	11402	5171	2921	19493	10928	4539	1219	16685	85730	43796	17482	147007
9	Krishna	6402	4127	1563	12091	9692	5373	1938	17003	38701	20577	9463	68742
7	Guntur	10478	7074	1049	18602	7629	5198	901	13728	65214	34924	7228	107367
8	Prakasam	4133	3462	656	8250	5833	2881	441	9156	37856	23389	5404	66649
6	Nellore	10274	3741	4022	18037	10131	3808	1410	15350	83430	31552	13751	128733
10	Kurnool	6802	8158	1770	16729	10827	7617	1377	19821	46409	33068	9951	89427
11	Anantapur	4055	3314	905	8274	4617	2121	405	7143	22954	14375	4674	42003
12	Kadapa	4818	1216	479	6513	6379	2388	878	9645	28614	12074	4740	45427
13	Chittoor	5914	2059	621	8594	6663	2188	617	9467	31904	11368	3976	47248
	Total:	78731	45246	15832	139809	84750	43004	10119	137874	526640	258326	90407	875373

2017-18

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Annexure - III

District wise / Month wise Nutrient Requirement during 2017-18 (LMT)

Ś	DICTDICT		kharif 2017	2017			Rabi 2017-18	017-18			Total 2	Total 2017-18	
No	DISTRICT	Ν	Ρ	K	Total	Ν	Ρ	K	Total	Ν	Ρ	K	Total
1	Srikakulam	25842	9853	6012	41706	11568	4349	1205	17122	37409	14202	7217	58828
2	Vizianagaram	22077	7387	5775	35240	11506	3818	1657	16981	33584	11205	7432	52221
3	Visakhapatnam	14518	2902	2267	19687	6586	1646	573	8806	21104	4548	2841	28493
4	East Godavari	43681	16759	11072	71513	56167	23391	10301	89859	99848	40150	21374	161372
5	West Godavari	51124	19240	17169	87533	85730	43796	17482	147007	136854	63036	34651	234540
9	Krishna	62936	27785	11618	102339	38701	20577	9463	68742	101637	48362	21082	171081
7	Guntur	65034	30164	7857	103056	65214	34924	7228	107367	130249	65088	15085	210423
8	Prakasam	28868	18841	3302	51011	37856	23389	5404	66649	66724	42229	8707	117660
6	Nellore	21413	8748	4805	34966	83430	31552	13751	128733	104843	40300	18556	163700
10	Kurnool	76778	45517	14425	136721	46409	33068	9951	89427	123187	78585	24376	226148
11	Anantapur	28446	13125	5889	47461	22954	14375	4674	42003	51401	27501	10563	89464
12	Kadapa	21057	11097	3301	35455	28614	12074	4740	45427	49671	23171	8041	80883
13	Chittoor	18525	6681	2606	27812	31904	11368	3976	47248	50430	18048	6582	75060
	Total	480300	218100	96100	794500	526640	258326	90407	875373	1006940	476426	186507	1669873



Annexure - IV

Statement showing Month-wise, district-wise Fertilizer sample targets for the year 2017-18

IstoT	207	215	305	867	1522	1250	1451	724	707	1110	550	504	313	9725
March	13	10	5	46	50	80	52	31	15	35	18	10	10	375
Гергиягу	5	12	10	92	100	100	100	60	50	72	30	23	15	699
January	8	13	10	110	200	120	135	55	105	80	20	21	15	892
Decemper	8	10	15	95	170	140	125	76	170	68	30	24	36	967
лэдшэлоИ	13	22	22	87	167	100	137	80	107	97	62	56	52	1002
October	30	10	28	55	170	95	235	145	75	160	70	90	55	1218
September	30	40	45	100	155	160	245	110	50	200	60	75	30	1330
3202 tende	40	40	45	120	180	180	220	88	30	150	09	60	30	1243
AInt	30	30	40	75	140	115	92	20	30	108	70	60	20	830
əunr	15	20	45	52	120	95	70	34	30	110	55	55	20	721
VBM	10	5	25	15	45	40	20	15	30	20	25	20	15	285
April	5	3	15	20	25	25	20	10	15	10	20	10	15	193
Districts	Srikakulam	Vizianagaram	Vishakapatanam	East Godavari	West Godavari	Krishna	Guntur	Prakasam	Nellore	10 Kurnool	11 Ananthapur	12 Cuddapah	13 Chittoor	Total
S. No	1	2	3	4	5	9	7	8	6	10	11	12	13	

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