

GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
RAJYA SABHA
UNSTARRED QUESTION No. - 3866
ANSWERED ON 06/04/2023

AGROMET SERVICES

3866. SHRI PRABHAKAR REDDY VEMIREDDY:

Will the Minister of EARTH SCIENCES be pleased to state:

- (a) whether Agromet services are being provided by Government;
- (b) the details of farmers getting Agromet services in the country, district-wise;
- (c) whether it is a fact that farmers of the State of Andhra Pradesh are not getting the benefits of Agromet services;
- (d) if so, the reasons therefor; and
- (e) the efforts being made by Government to set up District Agromet Units in Andhra Pradesh for dissemination of advisories to farmers in 2023-24?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR
MINISTRY OF SCIENCE AND TECHNOLOGY
AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) - (b) Yes Sir. Operational agromet services are already being implemented by the India Meteorological Department (IMD) for the benefit of farming community *viz.*, Gramin Krishi Mausam Sewa (GKMS) scheme. Under the scheme, medium range weather forecast at district and block level for next five days is generated. Based on these weather forecasts, 130 Agromet Field Units (AMFUs), located at State Agricultural Universities, institutes of Indian Council of Agricultural Research (ICAR) and Indian Institute of Technology (IIT) etc., prepare Agromet Advisories on every Tuesday and Friday for the districts under their jurisdiction and for the blocks of the district of their location and communicate to the farmers to take decision on day-to-day agricultural operations. After successful implementation of district level AAS, District Agromet Units (DAMUs) have been established at Krishi Vigyan Kendras (KVKs) in collaboration with ICAR to implement block level AAS. Till date, 199 District Agromet Units (DAMUs) have been established at KVKs across the country under ICAR network and these DAMUs prepare district and block level Agromet Advisories based on district and block level weather forecasts for their respective districts and communicate to the farmers on every Tuesday and Friday. Block level weather forecast and Agromet Advisories aid the farmers in taking decision on day-to-day agricultural operations at micro-level.

District-wise details of the farmers receiving agromet services in the country are given in Annexure.

- (c) No Sir. Farmers of Andhra Pradesh are also getting the benefits of Agromet services and details of the farmers getting SMS in this regard are included in the Annexure.
- (d) Does not arise.
- (e) Five AMFUs and 9 DAMUs have already been established in Andhra Pradesh during 2019-20 and the district and sub-district level agromet advisories are being disseminated to the farmers. There is no plan to establish additional DAMUs in Andhra Pradesh during 2023-2024.

Annexure I**State-wise number of farmers received SMS through Kisan Portal and PPP Mode under GKMS**

State	KisanPortal	RelianceFoundation	KisanSanchar	Appsandothers	Total
AndamanNicobarIslands	7574				7574
AndhraPradesh	4107299	826280	106		4933685
Telangana	808257	212426			1020683
ArunachalPradesh	1076				1076
Assam	65651				65651
Bihar	537957	148755	3755	799845	1490312
Chattisgarh	29476	55610			85086
Gujarat	964960	1255898			2220858
Haryana	1965154		2078	362000	2329232
HimachalPradesh	650413				650413
JammuAnd Kashmir	23408				23408
Jharkhand	846016	89772	800		936588
Karnataka	321299	150161			471460
Kerala	588235	193215			781450
MadhyaPradesh	1387846	278673	3415		1669934
Maharashtra	5260190	1333544	1816		6595550
Manipur	197				197
Meghalaya	1160				1160
Mizoram	1200				1200
Nagaland	28825				28825
NewDelhi	7849				7849
Odisha	1908903	1223550			3132453
Punjab	688146	146498			834644
Rajasthan	1556630	264040	2127		1822797
TamilNadu	1168382	1009248	109		2177739
Tripura	18166	28448			46614
UttarPradesh	10657604	216000	6418		10880022
Uttarakhand	189546	14032	3964		207542
WestBengal	838849	109704			948553
Total	34630268	7555854	24588	1161845	43372555

Annexure II**Dissemination of Agromet Services through Whatsapp groups created by AMFUs and DAMUs**

S.No.	State	District	Number of Farmers
1	Andhra Pradesh	Guntur	6250
2	Andhra Pradesh	Kurnool	11007
3	Andhra Pradesh	Prakasam	369
4	Andhra Pradesh	Spsr-Nellore	2428
5	Andhra Pradesh	Srikakulam	1513
6	Andhra Pradesh	Visakhapatanam	311
7	Andhra Pradesh	Vizianagaram	689
8	Andhra Pradesh	Y.S.R.(Kadapa)	5656
9	Arunachal Pradesh	Changlang	231
10	Arunachal Pradesh	Longding	509
11	Arunachal Pradesh	Namsai	504
12	Arunachal Pradesh	Papum-Pare	143
13	Arunachal Pradesh	Tirap	321
14	Arunachal Pradesh	West-Siang	494
15	Assam	Barpeta	5066
16	Assam	Biswanath	380
17	Assam	Cachar	816
18	Assam	Darrang	520
19	Assam	Goalpara	598
20	Assam	Jorhat	288
21	Assam	Karimganj	203
22	Assam	Kokrajhar	441
23	Assam	Nagaon	625
24	Assam	Udalguri	472
25	Bihar	Bhagalpur	1193
26	Bihar	Gaya	5932
27	Bihar	Jamui	1218
28	Bihar	Katihar	1490
29	Bihar	Khagaria	1330
30	Bihar	Muzaffarpur	625
31	Bihar	Nawada	4636
32	Bihar	Samastipur	2488
33	Bihar	Sheikhpura	1952
34	Bihar	Supaul	1653
35	Chhattisgarh	Bastar	343

36	Chhattisgarh	Dantewara	960
37	Chhattisgarh	Jashpur	2165
38	Chhattisgarh	Kanker	1499
39	Chhattisgarh	Korba	1073
40	Chhattisgarh	Korea	1273
41	Chhattisgarh	Mahasamund	3600
42	Chhattisgarh	Narayanpur	191
43	Chhattisgarh	Raipur	5000
44	Chhattisgarh	Rajnandgaon	1339
45	Chhattisgarh	Surguja	1287
46	Goa	North-Goa	6462
47	Gujarat	Bharuch	822
48	Gujarat	Bhavnagar	3903
49	Gujarat	Botad	836
50	Gujarat	Chhotaudepur	921
51	Gujarat	Dang	1322
52	Gujarat	Devbhumi-Dwarka	1275
53	Gujarat	Dohad	1253
54	Gujarat	Gir-Somnath	1032
55	Gujarat	Jamnagar	2109
56	Gujarat	Junagadh	1846
57	Gujarat	Kachchh	449
58	Gujarat	Mahisagar	814
59	Gujarat	Morbi	840
60	Gujarat	Narmada	2666
61	Gujarat	Navsari	811
62	Gujarat	Panch-Mahals	1057
63	Gujarat	Porbandar	539
64	Gujarat	Rajkot	1783
65	Gujarat	Surat	1705
66	Gujarat	Surendranagar	961
67	Gujarat	Tapi	376
68	Haryana	Bhiwani	691
69	Haryana	Fatehabad	2065
70	Haryana	Jhajjar	946
71	Haryana	Jind	1461
72	Haryana	Karnal	2338
73	Haryana	Kurukshetra	931
74	Haryana	Mahendargarh	4673
75	Haryana	Panipat	2101

76	Haryana	Rohtak	912
77	Haryana	Sonipat	4564
78	Haryana	Yamuna-Nagar	1805
79	Himachal Pradesh	Bilaspur	251
80	Himachal Pradesh	Kullu	426
81	Himachal Pradesh	Lahul-Spiti	58
82	Himachal Pradesh	Mandi	525
83	Himachal Pradesh	Solan	565
84	Jammu & Kashmir	Baramulla	4456
85	Jammu & Kashmir	Jammu	666
86	Jammu & Kashmir	Kathua	387
87	Jammu & Kashmir	Kupwara	248
88	Jammu & Kashmir	Rajauri	776
89	Jammu & Kashmir	Reasi	912
90	Jammu & Kashmir	Samba	437
91	Jharkhand	Deoghar	1849
92	Jharkhand	East-Singbhum	931
93	Jharkhand	Godda	7098
94	Jharkhand	Gumla	767
95	Jharkhand	Hazaribagh	876
96	Jharkhand	Khunti	2923
97	Jharkhand	Ranchi	2836
98	Karnataka	Bidar	1482
99	Karnataka	Bijapur	1725
100	Karnataka	Chamarajanagar	2395
101	Karnataka	Chikballapur	456
102	Karnataka	Chikmagaluru	13235
103	Karnataka	Chitradurga	8853
104	Karnataka	Dakshin-Kannad	310
105	Karnataka	Dharwad	385
106	Karnataka	Gulbarga	298
107	Karnataka	Hassan	752
108	Karnataka	Haveri	3234
109	Karnataka	Koppal	4505
110	Karnataka	Mandya	12286
111	Karnataka	Mysuru	1266
112	Karnataka	Raichur	1351
113	Karnataka	Ramanagara	1256
114	Karnataka	Shivamogga	1690
115	Karnataka	Tumkuru	138962

116	Karnataka	Udupi	6823
117	Karnataka	Uttar-Kannad	2905
118	Karnataka	Yadgir	2965
119	Kerala	Kollam	5879
120	Kerala	Malappuram	1353
121	Kerala	Palakkad	363
122	Kerala	Thiruvananthapuram	1318
123	Kerala	Thrissur	951
124	Lakshadweep	Lakshadweep	146
125	Madhya Pradesh	Barwani	4104
126	Madhya Pradesh	Chhatarpur	4088
127	Madhya Pradesh	Chhindwara	591
128	Madhya Pradesh	Damoh	3818
129	Madhya Pradesh	East Nimar	26235
130	Madhya Pradesh	Guna	5899
131	Madhya Pradesh	Indore	12863
132	Madhya Pradesh	Jabalpur	1782
133	Madhya Pradesh	Jhabua	1418
134	Madhya Pradesh	Katni	8265
135	Madhya Pradesh	Khargone	86308
136	Madhya Pradesh	Morena	1872
137	Madhya Pradesh	Narmadapuram	894
138	Madhya Pradesh	Neemuch	907
139	Madhya Pradesh	Rajgarh	2335
140	Madhya Pradesh	Rewa	4608
141	Madhya Pradesh	Shahdol	1782
142	Madhya Pradesh	Shivpuri	3742
143	Madhya Pradesh	Singrauli	1035
144	Madhya Pradesh	Tikamgarh	315
145	Maharashtra	Bhandara	995
146	Maharashtra	Buldhana	16477
147	Maharashtra	Chandrapur	5142
148	Maharashtra	Gadchiroli	17490
149	Maharashtra	Kolhapur	2993
150	Maharashtra	Nagpur	13689
151	Maharashtra	Nandurbar	10444
152	Maharashtra	Osmanabad	31686
153	Maharashtra	Palhgar	10513
154	Maharashtra	Parbhani	1908
155	Maharashtra	Pune	2696

156	Maharashtra	Ratnagiri	1646
157	Maharashtra	Sangli	1897
158	Maharashtra	Satara	1377
159	Maharashtra	Sindhudurg	4026
160	Maharashtra	Solapur	3676
161	Maharashtra	Washim	11590
162	Manipur	Chandel	2961
163	Manipur	Churachandpur	285
164	Manipur	Imphal-West	1057
165	Manipur	Jiribam	146
166	Manipur	Kakching	173
167	Manipur	Kamjong	354
168	Manipur	Kangpokpi	217
169	Manipur	Noney	84
170	Manipur	Pherzawl	124
171	Manipur	Senapati	237
172	Manipur	Tamenglong	250
173	Manipur	Thoubal	146
174	Manipur	Ukhrul	164
175	Mizoram	Champhai	28
176	Mizoram	Kolasib	561
177	Mizoram	Lawngtlai	114
178	Mizoram	Lunglei	53
179	Mizoram	Mamit	790
180	Mizoram	Saiha	40
181	Mizoram	Serchhip	56
182	Nagaland	Dimapur	315
183	Nagaland	Kiphire	167
184	Nagaland	Mokokchung	591
185	NCT of Delhi	North-Delhi	256
186	NCT of Delhi	North-West-Delhi	315
187	NCT of Delhi	South-West-Delhi	249
188	Odisha	Bhadrak	6683
189	Odisha	Cuttack	864
190	Odisha	Dhenkanal	11085
191	Odisha	Gajapati	235
192	Odisha	Ganjam	446
193	Odisha	Jagatsinghapur	281
194	Odisha	Kalahandi	146
195	Odisha	Kandhamal	17372

196	Odisha	Keonjhar	5180
197	Odisha	Khordha	1900
198	Odisha	Koraput	361
199	Odisha	Malkangiri	296
200	Odisha	Mayurbhanj	2481
201	Odisha	Nayagarh	361
202	Odisha	Nuapada	150
203	Odisha	Puri	488
204	Odisha	Rayagada	2960
205	Odisha	Sunadagarh	16632
206	Puducherry	Karaikal	1480
207	Puducherry	Puducherry	1029
208	Punjab	Barnala	8233
209	Punjab	Bhatinda	759
210	Punjab	Faridkot	1750
211	Punjab	Fatehgarh-Sahib	4000
212	Punjab	Firozpur	1437
213	Punjab	Gurdaspur	1937
214	Punjab	Hoshiarpur	1205
215	Punjab	Jalandhar	446
216	Punjab	Kapurthala	4200
217	Punjab	Ludhiana	10400
218	Punjab	Moga	1059
219	Punjab	Pathankot	475
220	Punjab	Patiala	6400
221	Punjab	Rupnagar	2275
222	Punjab	S.A.S-Nagar	861
223	Punjab	Shahid Bhagat Singh-Nagar	728
224	Punjab	Tarn-Taran	6400
225	Rajasthan	Baran	2157
226	Rajasthan	Bharatpur	1240
227	Rajasthan	Bikaner	1510
228	Rajasthan	Chitorgarh	5021
229	Rajasthan	Dausa	2126
230	Rajasthan	Dhaulpur	4191
231	Rajasthan	Dungarpur	4151
232	Rajasthan	Jaipur	3577
233	Rajasthan	Jaisalmer	3571
234	Rajasthan	Jalore	16376
235	Rajasthan	Jodhpur	382

236	Rajasthan	Karauli	997
237	Rajasthan	Pali	1255
238	Rajasthan	Sikar	549
239	Rajasthan	Sirohi	3570
240	Rajasthan	Tonk	1577
241	Rajasthan	Udaipur	285
242	Sikkim	East-District	255
243	Tamil Nadu	Chennai	1455
244	Tamil Nadu	Coimbatore	577
245	Tamil Nadu	Cuddalore	969
246	Tamil Nadu	Dharmapuri	157
247	Tamil Nadu	Dindigul	452
248	Tamil Nadu	Kanchipuram	1648
249	Tamil Nadu	Kanniyakumari	764
250	Tamil Nadu	Namakkal	614
251	Tamil Nadu	Pudukkottai	650
252	Tamil Nadu	Ramanathapuram	469
253	Tamil Nadu	Thanjavur	134
254	Tamil Nadu	The-Nilgiris	290
255	Tamil Nadu	Thiruvallur	714
256	Tamil Nadu	Tiruchirappalli	1346
257	Tamil Nadu	Vellore	1636
258	Tamil Nadu	Virudhunagar	1143
259	Telangana	Bhadradri-Kothagudem	986
260	Telangana	Jogulamba-Gadwal	1233
261	Telangana	Khammam	3835
262	Telangana	Kumuram-Bheem-Asifabad	3104
263	Telangana	Mahabubnagar	1454
264	Telangana	Mancherial	2424
265	Telangana	Nagarkurnool	4634
266	Telangana	Nalgonda	1610
267	Telangana	Nirmal	975
268	Telangana	Rangareddy	627
269	Tripura	Dhalai	1460
270	Tripura	Westtripura	839
271	Uttar Pradesh	Bhadohi	4562
272	Uttar Pradesh	Chandauli	1635
273	Uttar Pradesh	Chitrakoot	10440
274	Uttar Pradesh	Etah	624
275	Uttar Pradesh	Fatehpur	770

276	Uttar Pradesh	Ghaziपुर	1225
277	Uttar Pradesh	Gorakhpur	4507
278	Uttar Pradesh	Jaunpur	15813
279	Uttar Pradesh	Jhansi	284
280	Uttar Pradesh	Kannauj	1089
281	Uttar Pradesh	Kanpur-Nagar	702
282	Uttar Pradesh	Kushi-Nagar	1085
283	Uttar Pradesh	Lucknow	2048
284	Uttar Pradesh	Mainpuri	1118
285	Uttar Pradesh	Meerut	816
286	Uttar Pradesh	Shahjahanpur	636
287	Uttar Pradesh	Sonbhadra	1395
288	Uttar Pradesh	Varanasi	878
289	Uttarakhand	Haridwar	37542
290	Uttarakhand	Pithoragarh	294
291	Uttarakhand	Tehri-Garhwal	1792
292	Uttarakhand	Udham Singh-Nagar	806
293	West Bengal	Birbhum	550
294	West Bengal	Hooghly	877
295	West Bengal	Howrah	1571
296	West Bengal	Jalpaiguri	1169
297	West Bengal	Maldah	6849
298	West Bengal	Nadia	1689
299	West Bengal	N-and-M-Andaman	216
300	West Bengal	Nicobar	193
301	West Bengal	Paschim Medinipur	150
302	West Bengal	Purba-Bardhaman	1517
Total			10,19,146

Dissemination in association with the WhatsApp groups of Rural Officers

S. No.	State	District	Number of Farmers
1	Andhra Pradesh	Anantpur	13866
2	Andhra Pradesh	Guntur	6250
3	Andhra Pradesh	Prakasam	458
4	Andhra Pradesh	Srikakulam	1513
5	Andhra Pradesh	Visakhapatnam	565
6	Assam	Baksa	81
7	Assam	Barpeta	570
8	Assam	Cachar	1455
9	Assam	Goalpara	216
10	Assam	Hailakandi	502
11	Bihar	Araria	1368
12	Bihar	Banka	28200
13	Bihar	Sheikhpura	1820
14	Chhattisgarh	Jashpur	3962
15	Chhattisgarh	Narayanpur	568
16	Gujarat	Ahmadabad	946
17	Gujarat	Bhavnagar	3872
18	Gujarat	Botad	836
19	Gujarat	Dang	1035
20	Gujarat	Dohad	1416
21	Gujarat	Kachchh	488
22	Gujarat	Narmada	2666
23	Haryana	Yamuna-Nagar	4559
24	Himachal Pradesh	Sirmour	240
25	Jharkhand	Godda	2227
26	Jharkhand	Ramgarh	2711
27	Karnataka	Kodagu	2750
28	Karnataka	Mysuru	1578
29	Karnataka	Udupi	2813
30	Kerala	Malappuram	5850
31	Madhya Pradesh	Balaghat	53785
32	Madhya Pradesh	Barwani	3104
34	Madhya Pradesh	Damoh	32254
35	Madhya Pradesh	Morena	622
36	Maharashtra	Aurangabad	10042
39	Maharashtra	Nagpur	11290
40	Maharashtra	Parbhani	1708

41	Maharashtra	Pune	400
42	Maharashtra	Ratnagiri	5085
45	Maharashtra	Sindhudurg	872
46	Manipur	Bishnupur	169
47	Manipur	Chandel	276
48	Manipur	Churachandpur	319
49	Manipur	Imphal-West	774
50	Manipur	Kakching	96
51	Manipur	Kamjong	99
52	Manipur	Kangpokpi	372
53	Manipur	Noney	56
54	Manipur	Pherzawl	139
55	Meghalaya	West-Khasi-Hills	195
56	Mizoram	Kolasib	625
57	Mizoram	Lawngtlai	1711
58	Mizoram	Serchhip	63
60	NCT of Delhi	South-West-Delhi	408
62	Puducherry	Puducherry	1029
63	Rajasthan	Dungarpur	1181
64	Rajasthan	Jodhpur	59
65	Sikkim	East-District	501
66	Sikkim	West-District	301
67	Tamil Nadu	Vellore	2603
68	Telangana	Kamareddy	642
69	Telangana	Khammam	39072
70	Telangana	Nizamabad	1112
71	Telangana	Rangareddy	775
72	Uttar Pradesh	Agra	898
73	Uttar Pradesh	Baghpat	460
74	Uttar Pradesh	Chandauli	47859
75	Uttar Pradesh	Chitrakoot	10440
76	Uttar Pradesh	Kanpur-Nagar	707
77	Uttar Pradesh	Lucknow	724
78	Uttarakhand	Haridwar	15205
79	Uttarakhand	Tehri-Garhwal	1214
80	West Bengal	24-Paraganas-South	80
81	West Bengal	Maldah	1392
82	West Bengal	Murshidabad	649
83	West Bengal	Purulia	5398
Total			3,52,146
