



ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન
ઉત્તર સૌરાષ્ટ્રખેત આબોહવાકીય વિભાગ



તા.03-02-2019 થી તા.09-02-2019

(ગ્રામીણ કૃષિ મૌસમસેવા, સૂકી ખેતી સંશોધન કેન્દ્ર, જુ.કૃ.યુ.,તરઘડિયા અને ભારત મૌસમ વિભાગ દ્વારા સંપન્ન)

કૃષિ હવામાન બુલેટીન નં. ૮૯/૨૦૧૯

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબલો	
વરસાદ(મી.મી.)	0.0
મહત્તમ તાપમાન (સે.ગ્રે)	29.8-31.9
લઘુત્તમ તાપમાન (સે.ગ્રે)	13.0-14.2
ભેજ(%) સવાર	65-72
ભેજ(%) બપોરબાદ	42-48
પવનની ગતિ (કિમી/કલાક)	3.4-4.4

હવામાન આગાહી: પત્રક-ક

ઉત્તર સૌરાષ્ટ્રખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.03-02-2019 થી તા.09-02-2019

કૃષિ સલાહ:

સામાન્ય	<p>ભારતસરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણ કૃષિ મૌસમ સેવા વિભાગ,જુનાગઢ કૃષિ યુનિવર્સિટી, તરઘડિયા તરફથી જણાવવામાં આવે છે કે, ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના</p> <p>રાજકોટ: જીલ્લામાં આગામી તા. 03-02-2019 થી તા. 09-02-2019 દરમિયાન હવામાન સુકું અને ચોખ્ખું રહેશે. પવનની દિશા ઉત્તર, ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૩૦-૩૪ ડીગ્રી સેલ્શિયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમિયાન ૧૪-૧૫ ડીગ્રી સેલ્શિયસ જેટલું રહેવાની સંભાવના છે.</p>																																				
	<table border="1"><thead><tr><th>તારીખ</th><th>દિવસ-૧</th><th>દિવસ-૨</th><th>દિવસ-૩</th><th>દિવસ-૪</th><th>દિવસ-૫</th></tr><tr><th>પેરામીટર</th><th>૦૩-૦૧-૧૯</th><th>૦૪-૦૨-૧૯</th><th>૦૫-૦૨-૧૯</th><th>૦૬-૦૨-૧૯</th><th>૦૭-૦૨-૧૯</th></tr></thead><tbody><tr><td>વરસાદ(મી.મી)</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>મહત્તમ તાપમાન (સે.ગ્રે)</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td></tr><tr><td>લઘુત્તમ તાપમાન (સે.ગ્રે)</td><td>14</td><td>15</td><td>15</td><td>14</td><td>14</td></tr><tr><td>વાદળની સ્થિતિ(ઓકટા)</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></tbody></table>	તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫	પેરામીટર	૦૩-૦૧-૧૯	૦૪-૦૨-૧૯	૦૫-૦૨-૧૯	૦૬-૦૨-૧૯	૦૭-૦૨-૧૯	વરસાદ(મી.મી)	0	0	0	0	0	મહત્તમ તાપમાન (સે.ગ્રે)	30	31	32	33	34	લઘુત્તમ તાપમાન (સે.ગ્રે)	14	15	15	14	14	વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	0
તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫																																
પેરામીટર	૦૩-૦૧-૧૯	૦૪-૦૨-૧૯	૦૫-૦૨-૧૯	૦૬-૦૨-૧૯	૦૭-૦૨-૧૯																																
વરસાદ(મી.મી)	0	0	0	0	0																																
મહત્તમ તાપમાન (સે.ગ્રે)	30	31	32	33	34																																
લઘુત્તમ તાપમાન (સે.ગ્રે)	14	15	15	14	14																																
વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	0																																

મહત્તમ ભેજ (%) સવાર	40	36	35	52	60
લઘુત્તમ ભેજ (%) બપોરબાદ	22	20	18	18	28
પવનની ગતિ (કિમી/કલાક)	18	17	16	18	10
પવનની દિશા (ડીગ્રી)	19	23	18	314	317

જામનગર: જીલ્લામાં આગામી તા. 03-02-2019 થી તા. 09-02-2019 દરમિયાન હવામાન સુકું અને અંશત યોખ્મું રહેશે. પવનની દિશા ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૨૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૨૬-૨૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમિયાન ૧૭-૧૯ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૩-૦૧-૧૬	૦૪-૦૨-૧૬	૦૫-૦૨-૧૬	૦૬-૦૨-૧૬	૦૭-૦૨-૧૬
વરસાદ(મી.મી)	0	0	0	0	0
મહત્તમ તાપમાન (સે.ગ્રે)	26	26	27	28	29
લઘુત્તમ તાપમાન (સે.ગ્રે)	18	17	18	19	19
વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	0
મહત્તમ ભેજ (%) સવાર	40	39	36	64	59
લઘુત્તમ ભેજ (%) બપોરબાદ	25	23	22	21	32
પવનની ગતિ (કિમી/કલાક)	20	18	17	20	10
પવનની દિશા (ડીગ્રી)	29	25	82	316	329

અમરેલી: જીલ્લામાં આગામી તા. 03-02-2019 થી તા. 09-02-2019 દરમિયાન હવામાન સુકું અને અંશત યોખ્મું રહેશે. પવનની દિશા ઈશાન, પૂર્વ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૭ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૩૩-૩૪ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમિયાન ૧૫-૧૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૩-૦૧-૧૬	૦૪-૦૨-૧૬	૦૫-૦૨-૧૬	૦૬-૦૨-૧૬	૦૭-૦૨-૧૬
વરસાદ(મી.મી)	0	0	0	0	0
મહત્તમ તાપમાન (સે.ગ્રે)	33	33	34	34	33
લઘુત્તમ તાપમાન (સે.ગ્રે)	15	16	17	17	16
વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	0
મહત્તમ ભેજ (%) સવાર	38	37	37	46	60
લઘુત્તમ ભેજ (%) બપોરબાદ	25	22	22	22	29
પવનની ગતિ (કિમી/કલાક)	17	15	16	16	12
પવનની દિશા (ડીગ્રી)	76	68	61	317	317

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા. 03-02-2019 થી તા. 09-02-2019 દરમિયાન હવામાન સુકું અને અંશત યોખ્મું રહેશે. પવનની દિશા ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૧૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૩૦-૩૪ ડીગ્રી સેલ્શીયસ જેટલું તેમજ




લઘુતમ તાપમાન રાત્રી દરમ્યાન ૧૪-૧૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.




તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૩-૦૧-૧૬	૦૪-૦૨-૧૬	૦૫-૦૨-૧૬	૦૬-૦૨-૧૬	૦૭-૦૨-૧૬
વરસાદ(મી.મી)	૦	૦	૦	૦	૦
મહત્તમ તાપમાન (સે.ગ્રે)	૩૦	૩૧	૩૨	૩૩	૩૪
લઘુતમ તાપમાન (સે.ગ્રે)	૧૪	૧૫	૧૫	૧૪	૧૪
વાદળની સ્થિતિ(ઓકટા)	૦	૦	૦	૦	૦
મહત્તમ ભેજ (%) સવાર	૩૫	૩૫	૨૯	૪૬	૫૩
લઘુતમ ભેજ (%) બપોરબાદ	૧૭	૧૭	૧૫	૧૩	૧૯
પવનની ગતિ (કિમી/કલાક)	૧૬	૧૫	૧૪	૧૫	૧૦
પવનની દિશા (ડીગ્રી)	૪૫	૩૫	૩૨	૨૯૪	૩૧૧


- ફેબ્રુઆરી ૭ સુધી સુકું અને અને ચોખ્ખું રહેશે. પવનની દિશા ઉત્તર, ઈશાન અને વાયવ્યની રહેશે. . તેમજ મહત્તમ અને લઘુતમ તાપમાન અનુક્રમે ૩૦-૩૪ અને ૧૨-૧૫ ડીગ્રી સે. રહેશે અને તા.૦૬/૦.૨.૧૬ના રોજ ઝાકળ આવવાની શક્યતા હોવાથી આ દિવસે જીરુંના પાકને પિયત આપવું નહિ.



મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
pGF/ DUO/ L	JFJ[TZ	8LV[HLvZ\$4 HLHLvZ4 8LHLv#*vV[4 8L5LHLv\$!	VF 5BJF0LIFDF\ TF5DFG ZZvZ5° ;[P YFI V[8,[° pGF/] DUO/LG]\ JFJ[TZ SZL N[J]P JFJ[TZ ;DI[DUO/LGF ALIFG[!PZ5 U FD 8[a]SMGFhM, NJFGM ! ISPU FP NF6F 5 DF6[58 VF5JMP ;L\U, ;]5Z OM:O[8 #!Z ISPUF P4 V[DMGLID ;<O[8 !Z5 ISPUF P VG[VZ\0LGM BM/ Z5_ ISPUF PqC[S8Z VYJF 0LPV[P5L !_ ISPUF P VG[HL%;D Z5_ISPUF PqC[S8Z VG[VZ\0LGM BM/ Z5_ ISPUF PqC[S8Z 5FIFDF\ VF5JMP
pGF/ T,	JFJ[TZ	U]HZFT T,vZ U]HZFT T,v#	VF 5BJF0LIFDF\ TF5DFG Z(v#_° ;[P YFI V[8,[° pGF/] T,G)\ JFJ[TZ SZL N[J]P ALIFZ6G[Zv# U FDqSL<,M D]HA YFIZDvSFAM"S;LG4 D[gSMh[A VYJF SFA["g0FhLDGM 58 VF5JM v5FIFDF\ ;L\U, ;]5Z OM:O[8 Z5 ISPUF Pq IJ3[VG[I]IZIF (VF5J)\P VYJF v 0LPVP[5L) ISPUF P VG[HL%;D (ISPUF Pq IJ3[VG[I]IZIF (ISPUF Pq IJ3[VF5J]\P T[DH T,GF 5FSDF\ ;ZSFZL U [0v5 JF/] ;]1DTtJMG)\ IDz6 #PZ ISPUF Pq IJ3[VG[VZ\0LGM BM/ (ISPUF Pq IJ3[HDLGDF\ VF5JMP

8D[8F	O[Z ZM56L	5];F CF.A L04 5];F AL4H}GFU- ~AL4U]HZFT 8D[8Fv!	JFJ[TZ V\TZ &_v)_ x \$5v&_ ;[PDLP ZFBJ] TYF I]ZLIF !&# 4 ;L\U, ;]5Z OM:O[8 &Z5 ISPUF P4 VG[dI]Z[8 VMO 5M8FX !&* ISPUF PqC[S8Z 5FIFDF\ VF5JMP
ZL\U6	O[Z ZM56L	H}GFU- ,\AUM/4 ZL\U6 H}GFU- ,F\AF4 U]HZFT ZL\U6vZ	JFJ[TZ V\TZ)_ x &_ ;[PDLP ZFBJ] TYF I]ZLIF !_(4 ;L\U, ;]5Z OM:O[8 #!Z ISPUF P4 VG[dI]Z[8 VMO 5M8FX (# ISPUF PqC[S8Z 5FIFDF\ VF5JMP
EL\0F	JFJ[TZ	U]HZFT CF.AL 0 EL\0Fv!4 U]HZFT EL\0FvZ	JFJ[TZ V\TZ &_ x \$5 ;[PDLP ZFBJ] TYF I]ZLIF !_(4 ;L\U, ;]5Z OM:O[8 #!Z ISPUF P4 VG[dI]Z[8 VMO 5M8FX (# ISPUF PqC[S8Z 5FIFDF\ VF5JMP
T]ZLIF	JFJ[TZ	5];F G;NFZ4 HI5]ZL	JFJ[TZ V\TZ !P5 x _P5 DL8Z ZFBJ] TYF I]ZLIF Z* 4 ;L\U, ;]5Z OM:O[8 *(ISPUF P4 VG[dI]Z[8 VMO 5M8FX Z!ISPUF PqC[S8Z 5FIFDF\ VF5JMP
N}WL	JFJ[TZ	5];F ;DZ 5 M,LOLS ,M\U4 H}GFU- 8[g0Z ,M\U	JFJ[TZ V\TZ Z x _P5 DL8Z ZFBJ] TYF I]ZLIF !_(4 ;L\U, ;]5Z OM:O[8 #!Z ISPUF P4 VG[dI]Z[8 VMO 5M8FX (# ISPUF PqC[S8Z 5FIFDF\ VF5JMP
U,SF\	JFJ[TZ	5];F RLSGL	JFJ[TZ V\TZ !P5 x _P5 DL8Z ZFBJ] TYF I]ZLIF Z* 4 ;L\U, ;]5Z OM:O[8 *(ISPUF P4 VG[dI]Z[8 VMO 5M8FX Z!ISPUF PqC[S8Z 5FIFDF\ VF5JMP
SFZ[,F\	JFJ[TZ	15 IF5];F4 NM DM;DL	JFJ[TZ V\TZ ! x ! DL8Z ZFBJ] TYF I]ZLIF &5 4 ;L\U, ;]5Z OM:O[8 #*5 ISPUF P4 VG[dI]Z[8 VMO 5M8FX !__ ISPUF PqC[S8Z 5FIFDF\ VF5JMP
U]JFZ	JFJ[TZ	5];F ;NFACFZ4 5];F GJACFZ4 VF.;Lv!!#((JFJ[TZ V\TZ &_ x #_ ;[PDLP ZFBJ] TYF I]ZLIF 55 4 ;L\U, ;]5Z OM:O[8 Z#5 ISPUF P4 VG[dI]Z[8 VMO 5M8FX &# ISPUF PqC[S8Z 5FIFDF\ VF5JMP

SFSOL	JFJ[TZ	HF5FGLh ,F\AL ,L,L4 :8=[.8v(4 5];F ;\IMU	JFJ[TZ V\TZ ! x ! DL8Z ZFBJ] TYF I]ZLIF 55 4 ;L\U, ;)5Z OM:O[8 !5& ISPUF P4 VG[dI]Z[8 VMO 5M8FX \$Z ISPUF PqC[S8Z 5FIFDF\ VF5JMP
TZA]R	JFJ[TZ	;[UZ A[AL4 VZSF HIMTL	JFJ[TZ V\TZ Z x ! DL8Z ZFBJ] TYF I]ZLIF !_(4 ;L\U, ;)5Z OM:O[8 #!Z ISPUF P4 VG[dI]Z[8 VMO 5M8FX (# ISPUF PqC[S8Z 5FIFDF\ VF5JMP
લસણ /ડુંગળી	વૃદ્ધિ	<p>શ્રીપ્સ, પાનની ટોચનો સુકારો</p>  <p>પાનની ટોચનો સુકારો અને જાંબલી ધાબાનો રોગ</p> 	<p>શ્રીપ્સના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને એમીદાક્લોપ્રીદ ૩૦.૫ ટકા ૪ મિલી અથવા પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p> <p>લસણ/ડુંગળીના પાકમાં પાનની ટોચનો સુકારો અને જાંબલી ધાબાનો રોગના નિયંત્રણ માટે ડાયથેન એમ ૪૫, ૨૭ ગ્રામ અથવા થયોફેનેટ મિથાયલ ૧૨ ગ્રામ અને હેક્ઝાકોનાઝોલ ૧૫ મિલી દવા વારાફરતી ૧૦ લીટર પાણીમાં મિશ્ર કરીને ૧૫ દિવસના અન્તરે છંટકાવ કરવો. પિયત નિયંત્રિત આપવું.</p> 

ચણા	પોપટામાં દાના ભરાવા	લીલી અને લશ્કરી ઈયળ	ચણાના પાકમાં લીલી અને લશ્કરી ઈયળના નિયંત્રણ માટે પક્ષીઓને બેસવા માટે 'T' આકારના બેલાખડા મુકવા. જો વધુ ઉપદ્રવ જણાય તો કવીનાલફોસ ૨૦ મિલી દવા ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
ઘઉં	દાણા ભરાવા	-	ફૂલ અને દાણા ભરાવાની અવસ્થાએ પાણીની ખેંચ પડવા દેવી નહિ અને સમયસર પિયત આપવું.
જીરું	દાણા બંધાવા	થ્રીપ્સ ચરમી અને રાખોડી  સુકારો 	થ્રીપ્સના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને થાયોમીથોક્ઝામ ૫ ગ્રામ ૧૦ લીટર પાણીમાં કરીને છંટકાવ કરવો. તેમજ ચરમીનો ઉપદ્રવ ન થાય તે માટે ડાયથેન એમ ૪૫, ૨૭ ગ્રામ અને હેક્ઝાકોનાઝોલ ૧૫ મિલી દવા વારાફરતી ૧૦ લીટર પાણીમાં મિશ્ર કરીને ૧૫ દિવસના અન્તરે છંટકાવ કરવો.  ઉભા પાકમાં સુકારાના નિયંત્રણ માટે પિયત આપવાનું બંધ કરવું.
ધાણા	દાણા બંધાવા	થ્રીપ્સ અને સફેદ માખી	થ્રીપ્સ અને સફેદ માખીના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને થાયોમીથોક્ઝામ ૫ ગ્રામ ૧૦ લીટર પાણીમાં કરીને છંટકાવ કરવો.
રીંગણી અને ટમેટી	ફુલ/ફળ	સફેદ માખી	લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ હોય તો એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.

		<p>ડુંખ અને ફળ કોરી ખાનાર ઈયળ →</p> <p>કથીરી →</p>	<p>ફળ અને ડોકાની ઈયળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને રીનાક્ષીપાયર દવા ૩ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p> <p>રીંગણી અને ટમેટીના પાકમાં પાન કથીરીના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p>
કોબી અને ફલાવર	વૃદ્ધિ/દડા	હિરાફૂદ	કોબી અને ફલાવરમાં હિરાફૂદાણા નિયંત્રણ માટે સ્પીનોસાદ ૩ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો
મરચી	ફૂલ/ફળ	<p>પાનની કુકડ-થ્રીપ્સ →</p>  <p>કાલવ્રણ →</p> 	<p>પ્રોફેનોફોસ ૨૦ મી.લી. અને લીંબોળીનું તેલ ૫૦ મીલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p> <p>કાલવ્રણ રોગના નિયંત્રણ માટે મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટા ઈલ ૨૦ ગ્રામના ૧૫ દિવસના અંતરે ત્રણ છંટકાવ કરવા.</p>
આંબો	ફૂલ	<p>મધીયો અને મગીયાની ઈયળ</p> <p>ભુકીછારો/રાખોડી</p>	<p>આંબામાં મધીયો અને મગીયાની ઈયળના નિયંત્રણ માટે ઈમીડાક્લોપ્રીડ ૫ મિલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>  <p>આંબામાં ભુકીછારો/રાખોડીના નિયંત્રણ માટે હેક્ઝાકોનાઝોલ ૧૫ મિલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>

			
<p>પશુ/મરઘા</p> 	<p>દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પવડરથી બરાબર સાફ કરવું. પશુઓમાં ખરવા મોવાસાના રોગના નિયંત્રણ માટે રસીકરણ કરાવવું. ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાઝ ૨ મી.લી. ૧ લીટર પાણીમાં નાખીને છાંટવી. વિટામીન એ તથા ડી પુરકો આપવા. કરમિયાની દવા આપવી તથા ઉછરતા પશુઓમાં બૃસેલ્લા કાફ્લુંડનું રસીકરણ કરાવવું. મરઘાઓને રાનીખેત/ન્યુકેસ્તાલ રોગ સામેની રસીનું રસીકરણ કરવું.</p>		

જા.નં.જુકૃયુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૫, તરઘડિયા(રાજકોટ),તારીખ: ૦૨/૦૨/૨૦૧૬.

પ્રતિ,
તંત્રીશ્રી/ડાયરેક્ટરશ્રી,
રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં, રેડીયોમાં ગામના ચો રાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્યે પ્રસિધ્ધ કરાવવા નમ્ર વિનતી છે. સહકારની અપેક્ષા સહ આભાર.

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Agro met Advisory Service bulletin No.-89 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)

(Period 3rd to 7th February- 2016)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	29.8-31.9
Minimum temperature (°C)	13.0-14.2
Relative Humidity (%) I	65-72
Relative Humidity (%) II	42-48
Wind speed (Kmph)	3.4-4.4

Weather forecast until 08-30 hrs of 07/02/2016




(1) RAJKOT DISTRICT:






	03/02/16	04/02/16	05/02/16	06/02/16	07/02/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	30	31	32	33	34
Min.Temp.(°C)	14	15	15	14	14
Total CC (octa)	0	0	0	0	0
RH-I (%)	40	36	35	52	60
RH-II (%)	22	20	18	18	28




Wind Speed (kmph)	18	17	16	18	10
Wind Direction(deg.)	19	23	18	314	317

Agro meteorological Advisories:

General Advice	<ul style="list-style-type: none"> • Rain fall: Dry and clear weather forecasted for next five days. • Temperature: Maximum and minimum temperature likely to be in range of 30-31°C and 14-15°C, respectively. • Relative Humidity: The RH is likely to be in the range of 18-60 % • Wind Direction and Speed: Direction and speed of wind is likely to be N,NW and 10-18 km/h, respectively. <p>The fog would occur on 6/7-2-2016, so do not irrigate the cumin crop during the said day.</p>				
Crops	Stage	Insect/Pest/Variety	Advisory		
Summer Groundnut	Sowing	TAG-24,TG-37-A, TPG-41,GG-2, GJG-3	Carry out sowing of summer groundnut as temperature increases to 22-25° C and give seed treatment of Tebuconazole 1.25 gm/1 kg seed. Apply Single Super Phosphate 312 kg, Ammonium sulphate 125 kg and Castor cake 250 kg/ha OR DAP 108 kg, Gypsum 250 kg and castor cake 250 kg/ha as basal.		
Summer Sesame	Preparation for sowing	G.Til-2, G.Til-3	Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C,respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.		
Brinjal	Transplan-ting	Junagadh oblong, Junagadh long, Guj. Bringle-2	Keep planting distance 90 X 60 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.		
Lady finger	Sowing	Guj. Hy.-1 & 2	Keep planting distance 60 X 45 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.		
Ridge gourd	Sowing	Pusa nasdar, Jaipuri,	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.		
Bottle gourd	Sowing	Junagadh tender long, Pusa summer prolific long	Keep planting distance 2 X 0.5 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.		
Sponge guard	Sowing	Pusa chikni	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.		
Bitter	Sowing	Priya, Pusa	Keep planting distance 1.0 X 1.0 m ² and apply		

guard		domosmi	urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.
Cluster bean	Sowing	Pusa sadabahar, Pusa navbahar, IC-11388	Keep planting distance 60 X 30 cm ² and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.
Water melon	Sowing	Sugar baby, Arka jyoti	Keep planting distance 2.0 X 1.0 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Garlic	Girthing	Thrips  Alternaria blight/Purple Blotch 	In present weather conditions attack of thrips has been reported. Make alternative sprays of imidaciprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval. The disease infestation observed in standing crop. Increase periods between irrigations means do not over irrigate the crop. Make two spray of 27 gm Mencozeb or thiophanae methyl 12 gm/10 liters of water at 10 days interval.
Chick pea	Pod Development	Heliothis, prodenia	“T” shaped bird perches in and around crop field to be installed for controlling insect population. If infestation is cross ETL spray 20 ml Quinalphos in 10 litres of water.
Wheat	Grain filling	-	Apply irrigation at critical stages without stress.
Cumin	Grain formation/ development	Aphid and thrips Blight and Powery mildew 	Under present weather condition attack of thrips and aphids has been reported spray Acetamiprid 5 gm /10 liters of water. Under present weather (fog) condition spray Hexaconazole 15 ml/10 liters of water to prevent blight and powdery mildew infestation.

		<p>Wilt</p> 	<p>to</p> 	<p>Stop irrigation prevent further infection in standing crop.</p>
Coriander	Grain formation	<p>Thrips, Powery mildew</p>	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 15 gm Accepahte in 10 liters of water. Under present weather condition spray Hexaconazole 15 ml/10 liters of water to prevent powdery mildew infestation.</p>	
Onion	Growth	<p>Thrips</p> <p>Purple blotch →</p> 	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidacloprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p> <p>Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.</p>	
Brinjal & Tomato	Flowering/ fruiting	<p>Sucking pest → & Fruit borer</p> 	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.</p>	
Cabbage and cauliflower	Growth & fruiting	<p>Diamond back moth</p>	<p>If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against diamond back moth in cauliflower and cabbage.</p>	
Chili	Flowering & fruiting	<p>Thrips, →</p>  <p>Wilting →</p> <p>Anthraco nose →</p>	<p>In present weather conditions severe attack of thrips has been reported. Spray 3 ml spinosad in 10 litres of water.</p> <p>Drenching of Trichoderma viridi 4 gm in 1 liter of water.</p> <p>Spray Mencozeb 27 gm in 10 liters of water</p>	

			
Mango	Flowering	<p>Blossom midge and Leaf hopper</p> <p>→</p>  <p>Powdery Mildew→</p> 	<p>To prevent damage spray imidacloprid 5 ml/10 litres of water.</p> <p>Spray 15 ml Hexaconzole in 10 liters of water.</p>
Livestock & poultry	<p>Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Carry out vaccination for foot and mouth disease. Check up for reproductive diseases evaluation. Provide ad lib warm water to lactating animals. Keep young calves indoors during night time to avoid cold stress. Carry out sowing of maize for fodder purpose.</p>		



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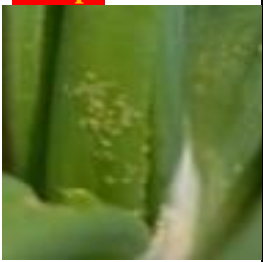
Agro met Advisory Service bulletin No.-89 for the Jamnagar district
 (Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)
 (Period 3rd to 7th February - 2016)
Weather forecast until 08-30 hrs of 07/02/2016






(2) JAMNAGAR DISTRICT:






	03/02/16	04/02/16	05/02/16	06/02/16	07/02/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	26	26	27	28	29
Min.Temp.(°C)	18	17	18	19	19
Total CC (octa)	0	0	0	0	0
RH-I (%)	40	39	36	64	59
RH-II (%)	25	23	22	21	32
Wind Speed (kmph)	20	18	17	20	10
Wind Direction(deg.)	29	25	82	316	329



Agro meteorological Advisories:-

General Advice	<ul style="list-style-type: none"> • Rain fall: Dry and clear weather forecasted for next five days. • Temperature: Maximum and minimum temperature likely to be in range of 26-29°C and 17-19°C, respectively. • Relative Humidity: The RH is likely to be in the range of 21-64 % • Wind Direction and Speed: Direction and speed of wind is likely to be NE,E,NW, and 10-20 km/h, respectively. <p style="color: red; text-align: center;">The fog would occur on 6/7-2-2016, so do not irrigate the cumin crop during the said day.</p>		
Crops	Stage	Insect/Pest/Variety	Advisory
Summer Groundnut	Sowing	TAG-24,TG-37-A, TPG-41,GG-2, GJG-3	Carry out sowing of summer groundnut as temperature increases to 22-25° C and give seed treatment of Tebuconazole 1.25 gm/1 kg seed.

			Apply Single Super Phosphate 312 kg, Ammonium sulphate 125 kg and Castor cake 250 kg/ha OR DAP 108 kg, Gypsum 250 kg and castor cake 250 kg/ha as basal.
Summer Sesame	Preparation for sowing	G.Til-2, G.Til-3	Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.
Brinjal	Transplanting	Junagadh oblong, Junagadh long, Guj. Bringle-2	Keep planting distance 90 X 60 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Lady finger	Sowing	Guj. Hy.-1 & 2	Keep planting distance 60 X 45 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Ridge gourd	Sowing	Pusa nasdar, Jaipuri,	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bottle gourd	Sowing	Junagadh tender long, Pusa summer prolific long	Keep planting distance 2 X 0.5 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Sponge guard	Sowing	Pusa chikni	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bitter guard	Sowing	Priya, Pusa domosmi	Keep planting distance 1.0 X 1.0 m ² and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.
Cluster bean	Sowing	Pusa sadabahar, Pusa navbahar, IC-11388	Keep planting distance 60 X 30 cm ² and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.
Water melon	Sowing	Sugar baby, Arka jyoti	Keep planting distance 2.0 X 1.0 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Garlic	Girthing	Thrips  Alternaria	In present weather conditions attack of thrips has been reported. Make alternative sprays of imidacloprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval. The disease infestation observed in standing crop. Increase periods between irrigations means do not

		<p>blight/Purple Blotch</p> 	<p>over irrigate the crop. Make two spray of 27 gm Mencozeb or thiophanae methyl 12 gm/10 liters of water at 10 days interval.</p>
Chick pea	Pod Development	Heliothis, prodenia	<p>“T” shaped bird perches in and around crop field to be installed for controlling insect population. If infestation is cross ETL spray 20 ml Quinalphos in 10 litres of water.</p>
Wheat	Grain filling	-	Apply irrigation at critical stages without stress.
Cumin	Grain formation/development	<p>Aphid and thrips</p> <p>Blight and Powery mildew</p>  <p>Wilt</p> 	<p>Under present weather condition attack of thrips and aphids has been reported spray Acetamiprid 5 gm/10 liters of water.</p> <p>Under present weather (fog) condition spray Hexaconazole 15 ml/10 liters of water to prevent blight and powdery mildew infestation.</p>  <p>Stop irrigation to prevent further infection in standing crop.</p> 
Coriander	Grain formation	Thrips, Powery mildew	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 15 gm Acepahte in 10 liters of water. Under present weather condition spray Hexaconazole 15 ml/10 liters of water to prevent powdery mildew infestation.</p>
Onion	Growth	Thrips	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidaciliprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p>

		<p>Purple blotch →</p> 	<p>Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.</p>
Brinjal & Tomato	Flowering/ fruiting	<p>Sucking pest → & Fruit borer</p> 	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water.</p> <p>In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.</p>
Cabbage and cauliflower	Growth & fruiting	<p>Diamond back moth</p>	<p>If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against diamond back moth in cauliflower and cabbage.</p>
Chili	Flowering & fruiting	<p>Thrips, →</p>  <p>Wilting →</p> <p>Anthracnose →</p> 	<p>In present weather conditions severe attack of thrips has been reported. Spray 3 ml spinosad in 10 litres of water.</p> <p>Drenching of Trichoderma viridi 4 gm in 1 liter of water.</p> <p>Spray Mencozeb 27 gm in 10 liters of water</p>
Mango	Flowering	<p>Blossom midge and Leaf hopper →</p>  <p>Powdery Mildew →</p>	<p>To prevent damage spray imidacloprid 5 ml/10 litres of water.</p> <p>Spray 15 ml Hexaconzole in 10 liters of water.</p>

			
<p>Livestock & poultry</p> 	<p>Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Carry out vaccination for foot and mouth disease. Check up for reproductive diseases evaluation. Provide ad lib warm water to lactating animals. Keep young calves indoors during night time to avoid cold stress. Carry out sowing of maize for fodder purpose.</p>		

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Agro met Advisory Service bulletin No.89 for the Amreli district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)
(Period 3rd to 7th February - 2016)



Weather forecast until 08-30 hrs of 07/02/2016






(3) AMRELI DISTRICT:







	03/02/16	04/02/16	05/02/16	06/02/16	07/02/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	33	33	34	34	33
Min.Temp.(°C)	15	16	17	17	16
Total CC (octa)	0	0	0	0	0
RH-I (%)	38	37	37	46	60
RH-II (%)	25	22	22	22	29
Wind Speed (kmph)	17	15	16	16	12
Wind Direction(deg.)	76	68	61	317	317

Agro meteorological Advisories:

General Advice	<ul style="list-style-type: none">• Rain fall: Dry and clear weather forecasted for next five days.• Temperature: Maximum and minimum temperature likely to be in range of 33-34°C and 15-17°C, respectively.• Relative Humidity: The RH is likely to be in the range of 22-60 %• Wind Direction and Speed: Direction and speed of wind is likely to be E,NE,NW, and 12-17 km/h, respectively.• The fog would occur on 6/7-2-2016, so do not irrigate the cumin crop during the said day.		
Crops	Stage	Insect/Pest/Variety	Advisory
Summer Groundnut	Sowing	TAG-24,TG-37-A, TPG-41,GG-2, GJG-3	Carry out sowing of summer groundnut as temperature increases to 22-25° C and give seed treatment of Tebuconazole 1.25 gm/1 kg seed. Apply Single Super Phosphate 312 kg, Ammonium sulphate 125 kg and Castor cake 250 kg/ha OR DAP 108 kg, Gypsum 250 kg and castor cake 250 kg/ha as basal.
Summer Sesame	Preparation for sowing	G.Til-2, G.Til-3	Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed.

			Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.
Brinjal	Transplan-ting	Junagadh oblong, Junagadh long, Guj. Bringle-2	Keep planting distance 90 X 60 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Lady finger	Sowing	Guj. Hy.-1 & 2	Keep planting distance 60 X 45 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Ridge gourd	Sowing	Pusa nasdar, Jaipuri,	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bottle gourd	Sowing	Junagadh tender long, Pusa summer prolific long	Keep planting distance 2 X 0.5 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Sponge guard	Sowing	Pusa chikni	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bitter guard	Sowing	Priya, Pusa domosmi	Keep planting distance 1.0 X 1.0 m ² and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.
Cluster bean	Sowing	Pusa sadabahar, Pusa navbahar, IC-11388	Keep planting distance 60 X 30 cm ² and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.
Water melon	Sowing	Sugar baby, Arka jyoti	Keep planting distance 2.0 X 1.0 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Garlic	Girthing	<p>Thrips</p>  <p>Alternaria blight/Purple Blotch</p> 	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidaciprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p> <p>The disease infestation observed in standing crop. Increase periods between irrigations means do not over irrigate the crop.</p> <p>Make two spray of 27 gm Mencozeb or thiophanae methyl 12 gm/10 liters of water at 10 days interval.</p>

Chick pea	Pod Development	Heliiothis, prodenia	<p>“T” shaped bird perches in and around crop field to be installed for controlling insect population. If infestation is cross ETL spray 20 ml Quinalphos in 10 litres of water.</p>
Wheat	Grain filling	-	Apply irrigation at critical stages without stress.
Cumin	Grain formation/ development	<p>Aphid and thrips</p> <p>Blight and Powery mildew</p>  <p>Wilt</p> 	<p>Under present weather condition attack of thrips and aphids has been reported spray Acetamiprid 5 gm/10 liters of water.</p> <p>Under present weather (fog) condition spray Hexaconazole 15 ml/10 liters of water to prevent blight and powdery mildew infestation.</p>  <p>Stop irrigation to prevent further infection in standing crop.</p> 
Coriander	Grain formation	<p>Thrips,</p> <p>Powery mildew</p>	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 15 gm Acepahte in 10 liters of water.</p> <p>Under present weather condition spray Hexaconazole 15 ml/10 liters of water to prevent powdery mildew infestation.</p>
Onion	Growth	<p>Thrips</p> <p>Purple blotch →</p> 	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidacliprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p> <p>Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.</p>

Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer 	To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.
Cabbage and cauliflower	Growth & fruiting	Diamond back moth	If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against diamond back moth in cauliflower and cabbage.
Chili	Flowering & fruiting	Thrips, →  Wilting → Anthracnose → 	In present weather conditions severe attack of thrips has been reported. Spray 3 ml spinosad in 10 litres of water. Drenching of Trichoderma viridi 4 gm in 1 liter of water. Spray Mencozeb 27 gm in 10 liters of water
Mango	Flowering	Blossom midge and Leaf hopper →  Powdery Mildew → 	To prevent damage spray imidacloprid 5 ml/10 litres of water. Spray 15 ml Hexaconzole in 10 liters of water.
Livestock & poultry 	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Carry out vaccination for foot and mouth disease. Check up for reproductive diseases evaluation. Provide ad lib warm water to lactating animals. Keep young calves indoors during night time to avoid cold stress. Carry out sowing of maize for fodder purpose.		

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Agro met Advisory Service bulletin No.-89 for the Surendranagar district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)

(Period 3rd to 7th February - 2016)



Weather forecast until 08-30 hrs of 07/02/2016






(4) SURENDRANAGAR DISTRICT:







	03/02/16	04/02/16	05/02/16	06/02/16	07/02/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	30	31	32	33	34
Min.Temp.(°C)	14	15	15	14	14
Total CC (octa)	0	0	0	0	0
RH-I (%)	35	35	29	46	53
RH-II (%)	17	17	15	13	19
Wind Speed (kmph)	16	15	14	15	10
Wind Direction(deg.)	45	35	32	294	311

Agro meteorological advisories:

General Advice	<ul style="list-style-type: none"> • Rain fall: Dry and clear weather forecasted for next five days. • Temperature: Maximum and minimum temperature likely to be in range 30-34 and 14-15°C, respectively. • Relative Humidity: The RH is likely to be in the range of 13-53 % • Wind Direction and Speed: Direction and speed of wind is likely to be NE, NW and 10-16 km/h, respectively. • The fog would occur on 6/7-2-2016, so do not irrigate the cumin crop during the said day. 		
Crops	Stage	Insect/Pest/Variety	Advisory
Summer Groundnut	Sowing	TAG-24,TG-37-A, TPG-41,GG-2, GJG-3	Carry out sowing of summer groundnut as temperature increases to 22-25° C and give seed treatment of Tebuconazole 1.25 gm/1 kg seed. Apply Single Super Phosphate 312 kg, Ammonium sulphate 125 kg and Castor cake 250 kg/ha OR DAP 108 kg, Gypsum 250 kg and castor cake 250 kg/ha as basal.
Summer Sesame	Preparation for sowing	G.Til-2, G.Til-3	Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed.

			Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.
Brinjal	Transplan-ting	Junagadh oblong, Junagadh long, Guj. Bringle-2	Keep planting distance 90 X 60 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Lady finger	Sowing	Guj. Hy.-1 & 2	Keep planting distance 60 X 45 cm ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Ridge gourd	Sowing	Pusa nasdar, Jaipuri,	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bottle gourd	Sowing	Junagadh tender long, Pusa summer prolific long	Keep planting distance 2 X 0.5 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Sponge guard	Sowing	Pusa chikni	Keep planting distance 1.5 X 0.5 m ² and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.
Bitter guard	Sowing	Priya, Pusa domosmi	Keep planting distance 1.0 X 1.0 m ² and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.
Cluster bean	Sowing	Pusa sadabahar, Pusa navbahar, IC-11388	Keep planting distance 60 X 30 cm ² and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.
Water melon	Sowing	Sugar baby, Arka jyoti	Keep planting distance 2.0 X 1.0 m ² and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.
Garlic	Girthing	<p>Thrips</p>  <p>Alternaria blight/Purple Blotch</p> 	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidaciprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p> <p>The disease infestation observed in standing crop. Increase periods between irrigations means do not over irrigate the crop.</p> <p>Make two spray of 27 gm Mencozeb or thiophanae methyl 12 gm/10 liters of water at 10 days interval.</p>

Chick pea	Pod Development	Heliiothis, prodenia	“T” shaped bird perches in and around crop field to be installed for controlling insect population. If infestation is cross ETL spray 20 ml Quinalphos in 10 litres of water.
Wheat	Grain filling	-	Apply irrigation at critical stages without stress.
Cumin	Grain formation/ development	<p>Aphid and thrips</p> <p>Blight and Powery mildew</p>  <p>Wilt</p> 	<p>Under present weather condition attack of thrips and aphids has been reported spray Acetamiprid 5 gm/10 liters of water.</p> <p>Under present weather (fog) condition spray Hexaconazole 15 ml/10 liters of water to prevent blight and powdery mildew infestation.</p>  <p>Stop irrigation to prevent further infection in standing crop.</p> 
Coriander	Grain formation	Thrips, Powery mildew	<p>To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 15 gm Acepahte in 10 liters of water.</p> <p>Under present weather condition spray Hexaconazole 15 ml/10 liters of water to prevent powdery mildew infestation.</p>
Onion	Growth	<p>Thrips</p> <p>Purple blotch →</p> 	<p>In present weather conditions attack of thrips has been reported. Make alternative sprays of imidaciprid 30.5 SC 3 ml and profenofos 20 ml in 10 liters of water at 10 days interval.</p> <p>Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.</p>

Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer 	To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.
Cabbage and cauliflower	Growth & fruiting	Diamond back moth	If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against diamond back moth in cauliflower and cabbage.
Chili	Flowering & fruiting	Thrips, →  Wilting → Anthracnose → 	In present weather conditions severe attack of thrips has been reported. Spray 3 ml spinosad in 10 litres of water. Drenching of Trichoderma viridi 4 gm in 1 liter of water. Spray Mencozeb 27 gm in 10 liters of water
Mango	Flowering	Blossom midge and Leaf hopper →  Powdery Mildew → 	To prevent damage spray imidacloprid 5 ml/10 litres of water. Spray 15 ml Hexaconzole in 10 liters of water.
Livestock & poultry 	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Carry out vaccination for foot and mouth disease. Check up for reproductive diseases evaluation. Provide ad lib warm water to lactating animals. Keep young calves indoors during night time to avoid cold stress. Carry out sowing of maize for fodder purpose.		

Technical Officer, GKMS Unit, DFRS, JAU, Targhadia.