



## ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન

ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ

તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯



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

કૃષિહવામાન બુલેટીન નં. ૯/૨૦૧૯

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબલો	
વરસાદ(મી.મી)	0.0
મહત્તમ તાપમાન (સે.ગ્રે)	41.4-44.4
લઘુત્તમ તાપમાન (સે.ગ્રે)	22.3-24.6
ભેજ(%) સવાર	67-86
ભેજ(%) બપોરબાદ	23-36
પવનની ગતિ (કિમી/કલાક)	7.9-11.4

હવામાન આગાહી: પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૦૧-૦૫-૨૦૧૯ થી ૦૫-૦૫-૨૦૧૯

કૃષિ સલાહ:

સામાન્ય	<p>➤ ભારત સરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણકૃષિ મૌસમ સેવા વિભાગ, જુનાગઢ કૃષિ યુનિવર્સિટી, તરઘડિયા તરફથી જણાવવામાં આવે છે કે, ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના</p> <p>રાજકોટ: જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમિયાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૧૮ થી ૨૨ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમિયાન ૨૩-૨૫ ડીગ્રી સેલ્શીયસ 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></thead><tbody><tr><td>પેરામીટર</td><td>૦૧-૦૫-૧૯</td><td>૦૨-૦૫-૧૯</td><td>૦૩-૦૫-૧૯</td><td>૦૪-૦૫-૧૯</td><td>૦૫-૦૫-૧૯</td></tr><tr><td>વરસાદ(મી.મી)</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>મહત્તમતાપમાન (સે.ગ્રે)</td><td>42</td><td>41</td><td>41</td><td>41</td><td>41</td></tr></tbody></table>	તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫	પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯	વરસાદ(મી.મી)	0	0	0	0	0	મહત્તમતાપમાન (સે.ગ્રે)	42	41	41	41	41
તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫																				
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯																				
વરસાદ(મી.મી)	0	0	0	0	0																				
મહત્તમતાપમાન (સે.ગ્રે)	42	41	41	41	41																				

લઘુતમતાપમાન (સે.ગ્રે)	23	24	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	1	1	3	1
મહતમભેજ(%) સવાર	67	52	72	71	70
લઘુતમભેજ (%) બપોરબાદ	11	11	12	19	15
પવનનીગતિ(મી/કલાક)	22	18	21	19	19
પવનનીદિશા(ડીગ્રી)	254	266	256	247	241

**મોરબી:** જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહશે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૧ થી ૨૨ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	42	41	41	41	41
લઘુતમતાપમાન (સે.ગ્રે)	23	24	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	2	2	5	1
મહતમભેજ(%) સવાર	38	58	47	71	67
લઘુતમભેજ (%) બપોરબાદ	8	11	8	11	22
પવનનીગતિ(મી/કલાક)	12	22	11	22	19
પવનનીદિશા(ડીગ્રી)	229	225	262	229	234

**જામનગર:** જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહશે પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૧૫ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૪-૩૬ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૬-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	36	36	35	34	34
લઘુતમતાપમાન (સે.ગ્રે)	26	27	26	26	26
વાદળનીસ્થિતિ(ઓકટા)	0	0	1	2	1

મહતમભેજ(%) સવાર	81	67	86	83	81
લઘુતમભેજ (%) બપોરબાદ	37	35	38	50	43
પવનનીગતિ(મી/કલાક)	18	15	19	17	15
પવનનીદિશા(ડીગ્રી)	251	274	256	250	242

**દેવભૂમિ દ્વારકા:** જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૭ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૧-૩૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૬-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	33	33	32	31	31
લઘુતમતાપમાન (સે.ગ્રે)	26	27	26	26	26
વાદળનીસ્થિતિ(ઓકટા)	0	0	1	2	1
મહતમભેજ(%) સવાર	83	69	88	85	83
લઘુતમભેજ (%) બપોરબાદ	31	30	32	50	43
પવનનીગતિ(મી/કલાક)	15	14	17	15	12
પવનનીદિશા(ડીગ્રી)	250	280	258	253	241

**અમરેલી:** જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૧૬ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૪ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.



તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	43	42	42	41	41
લઘુતમતાપમાન (સે.ગ્રે)	24	24	23	23	23
વાદળનીસ્થિતિ(ઓકટા)	0	2	2	5	2
મહતમભેજ(%) સવાર	61	61	68	79	78
લઘુતમભેજ(%) બપોરબાદ	16	23	20	31	36



પવનનીગતિ(કિમી/કલાક)	17	16	19	17	17
પવનનીદિશા(ડીગ્રી)	270	270	264	240	249



**સુરેન્દ્રનગર:** જીલ્લામાં આગામી તા.૦૧-૦૫-૨૦૧૯ થી તા.૦૫-૦૫-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૨૦ થી ૨૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૧-૦૫-૧૯	૦૨-૦૫-૧૯	૦૩-૦૫-૧૯	૦૪-૦૫-૧૯	૦૫-૦૫-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહત્તમતાપમાન (સે.ગ્રે)	42	41	41	41	41
લઘુત્તમતાપમાન (સે.ગ્રે)	23	24	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	1	1	3	1
મહત્તમભેજ(%) સવાર	58	48	60	64	62
લઘુત્તમભેજ(%) બપોરબાદ	12	13	12	18	15
પવનનીગતિ(કિમી/કલાક)	25	23	23	21	20
પવનનીદિશા(ડીગ્રી)	253	271	263	252	247

- ૦૧ થી ૦૫-મે-૨૦૧૯ હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે પવનની દિશા પશ્ચિમ અને નૈઋત્યની મોટાભાગે રહેવાની અને પવનની ઝડપ ૧૧ થી ૨૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.
- શિયાળું પાકોને સંગ્રહ કરતા પહેલા તેના દાણાને વ્યવસ્થિત સફાઈ કરી, દાણામાં ૮ ટકા કરતા ઓછો ભેજ રહે ત્યાં સુધી સૂર્ય તાપમાં સુકવી પછી સંગ્રહ કરવો. તેમજ જે ગોડાઉનમાં સંગ્રહ કરવાનો હોય તે ગોડાઉનમાંથી સંગ્રહેલ જુના દાણાઓ બહાર કાઢી વ્યવસ્થિત સફાઈ કરવી. તેમજ દીવાલોમાં પડેલ તિરાડોનું રીપેરીંગ કરી પૂરી દેવી અને ગોડાઉનમાં ૦.૫ ટકા મેલાથીયોન દવાના દ્રાવણનો છંટકાવ કરવો. દવાના છંટકાવ પછી ૭ થી ૮ દિવસ ગોડાઉન હવાચુસ્ત રીતે બંધ રાખવું. તેમજ દાણા ભરવા માટેના કોથળા સુર્યતાપમાં સૂકવવા જેથી જીવાતોના ઈંડા અને કોશેટાનો નાશ થાય.
- સૂંકા અને ગરમ હવામાનને કારણે ઉનાળુ શાકભાજી અને અન્ય પાકોને સવાર અથવા સાંજના સમયે પિયત આપવું.
- શિયાળુ પાકોની કાપણી પછી ખેતરમાં ઊંડી ખેડ કરવી જેથી કીટકોના ઈંડા અને કોશેટા, તેમજ રોગકારકો જેવા કે ફૂગ, જીવાણુનો સુર્યતાપમાં નાશ થાય.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી )
ઉનાળુ મગ અને અડદ	ફૂલ અને શીંગ બંધાવવી	સફેદ માખી, લીલી ઈયળ	લીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી અને પ્રોફેનોફોસ ૨૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો ઈયળોનો વધુ ઉપદ્રવ હોય તો ઈન્ડોક્સાકાર્બ ૧૦ મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
ઉનાળુ મગફળી	સુયા/પોપટા બંધાવા 	-	• પોપટા બંધાવાની અવસ્થાએ મગફળીને હળવું પિયત આપવું.
ઉનાળુ તલ	ફૂલ/બૈઠા બેસવા 	પાનવાળનાર (માથા બાંધનાર) ઈયળ લીલી ઈયળ	ઉનાળુ તલમાં પાનવાળનાર(માથા બાંધનાર) ઈયળના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦ મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.  લીલી ઈયળના નિયંત્રણ માટે સ્પીનોસાઇ ૩ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.  ➤ તેમજ તલના પાકને ફૂલ અવસ્થાએ હળવું પિયત આપવું. ત્યારબાદ જમીનની પ્રત મુજબ ૧૦-૧૨ દિવસના ગાળે પિયત આપવું.વધારે પ્રમાણમાં ટૂંકા અંતરે પિયત આપવા નહિ. જરૂર કરતા વધારે ભેજથી તલમાં સૂકારો અને કાળીયો રોગ આવવાની શક્યતા રહે છે.
ઉનાળુ બાજરી	દાણા ભરાવવા	-	જરૂરીયાત મુજબ પિયત આપવું.
ભીંડા	ફૂલ/ફળ	સફેદ માખી, પાન કથીરી	થ્રીપ્સના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦ મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.

			જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છંટકાવ કરવો.
તુરીયા	ફૂલ/ફળ	થ્રીપ્સ/ સફેદ માખી	ઉનાળુ શાકભાજીમાં સફેદમાખીના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦ મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઇમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
દૂધી			જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છાન્કાવ કરવો.
ગલકા			વેલાવાળા શાકભાજીમાં તળછારાના નિયંત્રણ માટે મેન્કોઝેબ ૪૦ ગ્રામ પ્રતિ પંપમાં મિશ્ર કરી છંટકાવ કરવો.
કારેલા			
ગુવાર			
કાકડી			કથીરી તળછારો
રીંગણી અને ટમેટી	ફૂલ/ફળ	સફેદ માખી	<ul style="list-style-type: none"> <li>લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ હોય તો ટ્રાયઝોફોસ ૪૦ ઇ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</li> <li>ફળ અને ડોકાની ઈંચળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને ક્લોરોનટ્રાનીલીપ્રોલ ૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી ૭૬ ઇસી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</li> <li>રીંગણી અને ટમેટીના પાકમાં પાન કથીરીના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</li> </ul>
મરચી	ફૂલ/ફળ	પાનની કુક્ડ-થ્રીપ્સ→	<p>ટ્રાયઝોફોસ ૪૦ ઇ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ અથવા 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>વાયરસના કારણે પીળા થઈ કુક્ડાય ગયેલ છોડ ઉપાડી તેનો જમીનમાં દાટી નાશ કરવો. ત્યાં સફેદ માખીથી ફેલાતો હોવાથી તેના નિયંત્રણ માટે હોસ્ટાથીયોન દવા ૨૦ મી.લી./૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
		 <p>પાનની કુક્ડ-</p> 	

		કથીરી	જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ ઇન્કાવ કરવો.
આંબો	ફળનો વિકાસ	ફળ માખી	કેરી લખોટી જેવડા કદની થાય ત્યારે ૨ ગ્રામ નેપ્થેલીન એસેટીક એસીડ અને ૨ કી.ગ્રા. યુરીયાને ૧૦૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો જેથી કેરીનું ખરણ ઓછું થાય. આંબામાં ફળમાખીના નિયંત્રણ માટે ડીડીવીપી ૪ મિલી અને મીથાયલયુજીનોલ ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
લીંબુ	ફળનો વિકાસ	પાન કથીરી 	ઊંચા તાપમાનને કારણે લીંબુના બગીચામાં પાન કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
પશુ/ મરઘા 			તાપમાન વધારે રહેવાના કારણે ઢોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ચર યુક્ત પીવાના સ્વચ્છ પાણીની વ્યવસ્થા કરાવી. દુધાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ કરવો. ખોરાકમાં લીલા ચારનું પ્રમાણ વધારવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પવડરથી બરાબર સાફ કરવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પવડરથી બરાબર સાફ કરવું. પશુઓમાં ગળસુંઢો અને ગાંઠીયા તાવના 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. ફરમિયાની દવા આપવી.

જુકૃયુ/ટેકનિકલ ઓફિસર.(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૯  
તરઘડિયા(રાજકોટ), તારીખ: ૩૦/૦૪/૨૦૧૯.

પ્રતિ,  
તંત્રીશ્રી/ડાયરેક્ટરશ્રી,  
રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં, રેડીયોમાં ગામના ચોરાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિના મૂલ્યે પ્રસિધ્ધ કરાવવા નમ્ર વિનતી છે. સહકારની અપેક્ષા સહ આભાર.

ટેકનીકલ ઓફિસર  
સુકી ખેતીસંશોધન કેન્દ્ર  
જુનાગઢ કૃષિ નિવર્સિટી  
તરઘડીયા





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**Agro met Advisory Service bulletin No.9 -for the Rajkot district**

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

(Period 01to 05-May - 2019)

**Significant past weather for the preceding week of Rajkot**

Rainfall (mm)	0.0
Maximum temperature (°C )	41.4-44.4
Minimum temperature (°C )	22.3-24.6
Relative Humidity (%) I	67-86
Relative Humidity (%) II	23-36
Wind speed (Kmph)	7.9-11.4


**Weather forecast until 08-30 hrs.of 05/05/2019**






**(1) RAJKOT DISTRICT:**

	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	41	41	41	41
Min.Temp.(°C)	23	24	25	25	25
Total CC (octa)	0	1	1	3	1
RH-I (%)	67	52	72	71	70
RH-II (%)	11	11	12	19	15
Wind Speed (kmph)	22	18	21	19	19
Wind Direction(deg.)	254	266	256	247	241

**Agro meteorological Advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"><li>• <b>Rain fall:</b> Dry, hot and mainly clear to partly cloudy weather forecasted for next five days.</li><li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 41-42°C and 23-25°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 52-72% &amp; 11-19, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, SW and 18-22 km/h, respectively.</li><li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution</li></ul>
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	<p>and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</p> <ul style="list-style-type: none"> <li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li> <li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are destroyed.</li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/ Variety</b>	<b>Advisory</b>
<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3ml/10lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	Flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering &	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed</b>

<b>Bottle gourd</b>	fruiting	Mites	<b>extract</b> orneem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites.
<b>Sponge guard</b>			
<b>Bitter guard</b>			
<b>Cluster bean</b>			
<b>Brinjal &amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b> 	To control sucking pest spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →  Leaf curling Virus →  mites	In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10 litre of water is advised for control the vector, when sky remains clear. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water
<b>Mango</b>	Fruit development	Fruit fly	Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly. Apply light irrigation as mango fruit size become gram grain size. Apply irrigation as per need.
<b>Lemon</b>	Fruit development	<b>Mite</b>  	Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.

**Livestock  
& poultry**



Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for **Haemorrhagic septicemia** (H.S.) disease and **Blue Quarter** (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.

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



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**Agro met Advisory Service bulletin No.-9 for the Morbi district**

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

(Period 01 to 05-May - 2019)


**Weather forecast until 08-30 hrs. of 05/05/2019**







**(2) MORBI DISTRICT:**

	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	41	41	41	41
Min.Temp.(°C)	23	24	25	25	25
Total CC (octa)	0	2	2	5	1
RH-I (%)	38	58	47	71	67
RH-II (%)	8	11	8	11	22
Wind Speed (kmph)	12	22	11	22	19
Wind Direction(deg.)	229	225	262	229	234

**Agro meteorological Advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"><li>• <b>Rain fall:</b> Dry, hot and mainly clear to generally cloudy weather forecasted for next five days.</li><li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 41-42°C and 23-25°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 38-71 % &amp; 8-22, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be SW, W and 11-22 km/h, respectively.</li><li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</li><li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li><li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are</li></ul>
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	destroyed.		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/ development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3 ml/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	Flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering & fruiting	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites.
<b>Bottle gourd</b>			
<b>Sponge guard</b>		Mites	
<b>Bitter guard</b>			

<b>Cluster bean</b>		Downy mildew	For the control of downy mildew spray mencozeb 40g/pump.
<b>Brinjal&amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b> 	To control sucking pest spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →  Leaf curling Virus →  mites	In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advised for control the vector, when sky remains clear. If population is found more, then spraying of Ethion@ 1.5-2 ml/litre of water
<b>Mango</b>	Fruit development	Fruit fly	Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly. Apply light irrigation as mango fruit size become gram grain size.  Apply irrigation as per need.
<b>Lemon</b>	Fruit development	<b>Mite</b>  	Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.
<b>Livestock &amp; poultry</b> 	Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for <b>Haemorrhagic septicemia</b> (H.S.) disease and <b>Blue Quarter</b> (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.		

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



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**Agro met Advisory Service bulletin No.-9 for the Jamnagar district**

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

(Period 01 to 05-May - 2019)

**Weather forecast until 08-30 hrs of 05/05/2019**


**(3) JAMNAGAR DISTRICT:**







	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	36	36	35	34	34
Min. Temp.(°C)	26	27	26	26	26
Total CC (octa)	0	0	1	2	1
RH-I (%)	81	67	86	83	81
RH-II (%)	37	35	38	50	43
Wind Speed (kmph)	18	15	19	17	15
Wind Direction(deg.)	251	274	256	250	242

**Agro meteorological Advisories:-**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall: Dry, hot and mainly clear weather forecasted for next five days.</b></li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 34-36°C and 26-27°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 67-86% &amp; 35-50, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, SW and 15-19 km/h, respectively.</li> <li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</li> <li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li> <li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are destroyed.</li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/ Variety</b>	<b>Advisory</b>



<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/ development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3 ml/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering & fruiting	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control.
<b>Bottle gourd</b>			
<b>Sponge guard</b>		Mites	If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites.
<b>Bitter guard</b>			
<b>Cluster bean</b>		Downy mildew	For the control of downy mildew spray mencozeb 40g/pump.

<b>Brinjal&amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b>  	<p>To control sucking pest spray <b>neem seed extract</b> 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>
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus →  mites	<p>In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advised for control the vector, when sky remains clear.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water</p>
<b>Mango</b>	Fruit development	Fruit fly	<p>Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly.</p> <p>Apply light irrigation as mango fruit size become gram grain size.</p> <p>Apply irrigation as per need.</p>
<b>Lemon</b>	Fruit development	<b>Mite</b>  	<p>Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.</p> 
<b>Livestock &amp; poultry</b> 	<p>Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for <b>Haemorrhagic septicemia</b> (H.S.) disease and <b>Blue Quarter</b> (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.</p>		

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



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**Agro met Advisory Service bulletin No.-9 for the Devbhumi Dwarka district**

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

(Period 01 to 05-May - 2019)


**Weather forecast until 08-30 hrs of 05/05/2019**







**(4) DEVBHUMI DWARKA DISTRICT:**

	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	33	33	32	31	31
Min. Temp.(°C)	26	27	26	26	26
Total CC (octa)	0	0	1	2	1
RH-I (%)	83	69	88	85	83
RH-II (%)	31	30	32	50	43
Wind Speed (kmph)	15	14	17	15	12
Wind Direction(deg.)	250	280	258	253	241

**Agro meteorological Advisories:-**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall: Dry, hot and mainly clear weather forecasted for next five days.</b></li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 31-33°C and 26-27°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 69-88 % &amp; 30-50, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, SW and 12-17 km/h, respectively.</li> <li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</li> <li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li> <li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are destroyed.</li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/ Variety</b>	<b>Advisory</b>

<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3 ml/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering & fruiting	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control.
<b>Bottle gourd</b>			
<b>Sponge guard</b>		Mites	If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites.
<b>Bitter guard</b>		Downy mildew	For the control of downy mildew spray mencozeb 40g/pump.
<b>Cluster bean</b>			

<b>Brinjal&amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b>  	<p>To control sucking pest spray <b>neem seed extract</b> 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>
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus →  mites	<p>In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advised for control the vector, when sky remains clear.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water</p>
<b>Mango</b>	Fruit development	Fruit fly	<p>Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly.</p> <p>Apply light irrigation as mango fruit size become gram grain size.</p> <p>Apply irrigation as per need.</p>
<b>Lemon</b>	Fruit development	<b>Mite</b>  	<p>Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.</p> 
<b>Livestock &amp; poultry</b> 	<p>Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for <b>Haemorrhagic septicemia</b> (H.S.) disease and <b>Blue Quarter</b> (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.</p>		

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



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**Agro met Advisory Service bulletin No.-9 for the Amreli district**

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

(Period 01 to 05-May - 2019)


**Weather forecast until 08-30 hrs of 05/05/2019**







**(5) AMRELI DISTRICT:**

	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	43	42	42	41	41
Min.Temp.(°C)	24	24	23	23	23
Total CC (octa)	0	2	2	5	2
RH-I (%)	61	61	68	79	78
RH-II (%)	16	23	20	31	36
Wind Speed (kmph)	17	16	19	17	17
Wind Direction(deg.)	270	270	264	240	249

**Agro meteorological Advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Dry, hot and mainly clear to generally cloudy weather forecasted for next five days.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 41-43°C and 23-24°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 61-79% &amp; 16-36, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, SW and 16-19 km/h, respectively.</li> <li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</li> <li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li> <li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are destroyed.</li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/</b>	<b>Advisory</b>

		Variety	
<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/ development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3 ml/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering & fruiting	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control.
<b>Bottle gourd</b>		Mites	
<b>Sponge guard</b>			
<b>Bitter guard</b>			
<b>Cluster bean</b>		Downy mildew	For the control of downy mildew spray mencozeb 40g/pump.

<b>Brinjal&amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b>  	<p>To control sucking pest spray <b>neem seed extract</b> 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>
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus →   mites	<p>In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advised for control the vector, when sky remains clear.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water</p>
<b>Mango</b>	Fruit development	Fruit fly	<p>Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly.</p> <p>Apply light irrigation as mango fruit size become gram grain size.</p> <p>Apply irrigation as per need.</p>
<b>Lemon</b>	Fruit development	<b>Mite</b>  	<p>Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.</p> 
<b>Livestock &amp; poultry</b>  	<p>Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for <b>Haemorrhagic septicemia</b> (H.S.) disease and <b>Blue Quarter</b> (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.</p>		

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





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**Agro met Advisory Service bulletin No.-9 for the Surendranagar district**

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

(Period 01 to 05-May - 2019)


**Weather forecast until 08-30 hrs of 05/05/2019**







**(6) SURENDRANAGAR DISTRICT:**

	01/05/19	02/05/19	03/05/19	04/05/19	05/05/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	41	41	41	41
Min.Temp.(°C)	23	24	25	25	25
Total CC (octa)	0	1	1	3	1
RH-I (%)	58	48	60	64	62
RH-II (%)	12	13	12	18	15
Wind Speed (kmph)	25	23	23	21	20
Wind Direction(deg.)	253	271	263	252	247

**Agro meteorological advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall: Dry, hot and mainly clear to generally cloudy weather forecasted for next five days.</b></li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 41-42°C and 23-25°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 48-64% &amp; 12-18, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, SW and 20-25 km/h, respectively.</li> <li>• Before storage of rabi crops produce, grains should be properly cleaned and it should be dried properly to the recommended level of moisture content. Godowns should be properly cleaned by removing all the grains and other storage matter of previous crop. Cracks and crevices of the walls should be cleaned and repaired and whitewashing should be done. Those who can afford are advised to spray 0.5 % malathion solution and keep the chamber closed for 7-8 days. The gunny bags should be dried in the sun so that eggs and pupating stages of insects as well as inoculum of diseases get destroyed.</li> <li>• As forecast of dry &amp; hot weather conditions, farmers are advised for light irrigation in all vegetable crops. Irrigation should be done in the morning hours or in the evening hours.</li> <li>• High temperature is suitable deep ploughing of fields after harvesting of rabi crops is advised so that eggs and pupating stages of insects, fungus and weed seeds are destroyed.</li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/</b>	<b>Advisory</b>

		Variety	
<b>Green gram</b>	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3ml/10lit of water and to control of whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Flowering & pod formation	White flies & heliothis	
<b>Summer Groundnut</b>	Pod formation/ development		Apply light irrigation at pod formation and development stages without stress.
<b>Summer Sesame</b>	Flowering/ capsule formation/ development	Leaf webber/heliothis	For the control Leaf Webber spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or or Lemdacyhelothrin 10 ml / 10 lit of water and for control of heliothis spray spinosad 3 ml/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
<b>Summer Pearl millet</b>	Grain filling/ development	-	Apply irrigation as per need.
<b>Lady finger</b>	flowering/ fruiting	White flies & mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control. Constant monitoring of lady finger crop against attack of mite is advised. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water is advised when sky remains clear. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd</b>	Flowering & fruiting	Thrips & white flies/	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or <b>imidacloprid 30.5 SC</b> 3 ml/10 lit of water for whiteflies control.
<b>Bottle gourd</b>			
<b>Sponge guard</b>		Mites	If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites.
<b>Bitter guard</b>			
<b>Cluster bean</b>		Downy mildew	For the control of downy mildew spray mencozeb 40g/pump.

<b>Brinjal&amp; Tomato</b>	Flowering/ fruiting	<b>Sucking pest</b> → & <b>Fruit borer</b>  	<p>To control sucking pest spray <b>neem seed extract</b> 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>
<b>Chili</b>	Flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus →  mites	<p>In present weather conditions attack of mites has been reported. To control mite infestation spray propargite 57 % EC 10 ml/10 litre of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advised for control the vector, when sky remains clear.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water</p>
<b>Mango</b>	Fruit development	Fruit fly	<p>Spray mixture of DDVP 4 ml and Methyleugenol 10 ml in 10 litres of water for control of fruit fly.</p> <p>Apply light irrigation as mango fruit size become gram grain size.</p> <p>Apply irrigation as per need.</p>
<b>Lemon</b>	Fruit development	<b>Mite</b>    	<p>Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.</p>
<b>Livestock &amp; poultry</b>  	<p>Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for <b>Haemorrhagic septicemia</b> (H.S.) disease and <b>Blue Quarter</b> (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.</p>		

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