



## ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન

ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ

તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯



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

કૃષિહવામાન બુલેટીન નં. ૫/૨૦૧૯

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબલો	
વરસાદ(મી.મી)	0.0
મહત્તમ તાપમાન (સે.ગ્રે)	36.8-41.4
લઘુતમ તાપમાન (સે.ગ્રે)	21.5-22.5
ભેજ(%) સવાર	63-97
ભેજ(%) બપોરબાદ	26-29
પવનની ગતિ (કિમી/કલાક)	7.9-10.2

હવામાન આગાહી: પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૧૭-૦૪-૨૦૧૯ થી ૨૧-૦૪-૨૦૧૯

કૃષિ સલાહ:

સામાન્ય	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					
	<b>રાજકોટ:</b> જીલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમિયાન હવામાન સુકું, ગરમ અને મહદઅંશે ચોખ્ખુ રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૪ થી ૧૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૩૬-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમિયાન ૨૩-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.					
	તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
	પેરામીટર	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
	વરસાદ(મી.મી)	0	0	0	0	0
	મહત્તમતાપમાન (સે.ગ્રે)	36	36	37	38	39

લઘુતમતાપમાન (સે.ગ્રે)	23	24	25	26	25
વાદળનીસ્થિતિ(ઓકટા)	2	0	0	0	0
મહતમભેજ(%) સવાર	61	68	56	38	42
લઘુતમભેજ (%) બપોરબાદ	28	20	17	13	12
પવનનીગતિ(મી/કલાક)	15	15	15	14	15
પવનનીદિશા(ડીગ્રી)	286	287	334	326	298

**મોરબી:** જુલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મહદઅંશે યોખ્મુ રહશે. તા. ૧૭ ના રોજ હળવા વરસાદી ઝાપટા થવાની શક્યતા છે. પવનની દિશા વાયવ્ય, ઈશાન અને પશ્ચિમની રહેવાની અને પવનની ઝડપ **૬ થી ૧૧ કીમી/કલાક** રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન **૩૬-૩૯** ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન **૨૩-૨૬** ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
વરસાદ(મી.મી)	3	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	36	36	37	38	39
લઘુતમતાપમાન (સે.ગ્રે)	23	24	25	26	25
વાદળનીસ્થિતિ(ઓકટા)	1	0	0	0	0
મહતમભેજ(%) સવાર	47	48	42	21	32
લઘુતમભેજ (%) બપોરબાદ	15	13	16	10	8
પવનનીગતિ(મી/કલાક)	8	11	9	6	10
પવનનીદિશા(ડીગ્રી)	297	297	323	29	238

**જામનગર:** જુલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મહદઅંશે યોખ્મુ રહશે પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ **૧૫ થી ૨૦ કીમી/કલાક** રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન **૩૫-૩૬** ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન **૨૪-૨૬** ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	35	35	35	36	35
લઘુતમતાપમાન (સે.ગ્રે)	24	25	25	26	26
વાદળનીસ્થિતિ(ઓકટા)	2	0	0	0	0

મહતમભેજ(%) સવાર	72	76	67	60	67
લઘુતમભેજ (%) બપોરબાદ	45	43	37	32	33
પવનનીગતિ(મી/કલાક)	15	16	20	16	16
પવનનીદિશા(ડીગ્રી)	279	295	332	321	299

**દેવભૂમિ દ્વારકા:** જીલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મહદઅંશે ચોખ્ખુ રહશે પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૨ થી ૨૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૦-૩૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	30	31	32	33	31
લઘુતમતાપમાન (સે.ગ્રે)	25	25	26	26	26
વાદળનીસ્થિતિ(ઓકટા)	1	0	0	0	0
મહતમભેજ(%) સવાર	73	77	67	68	76
લઘુતમભેજ (%) બપોરબાદ	40	41	32	27	30
પવનનીગતિ(મી/કલાક)	12	13	24	15	14
પવનનીદિશા(ડીગ્રી)	273	297	332	321	306

**અમરેલી:** જીલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મહદઅંશે ચોખ્ખુ રહશે. પવનની દિશા વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૩ થી ૧૬ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૮ 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	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	37	36	36	37	38
લઘુતમતાપમાન (સે.ગ્રે)	23	24	25	25	24
વાદળનીસ્થિતિ(ઓકટા)	1	0	0	0	0
મહતમભેજ(%) સવાર	57	62	55	38	41
લઘુતમભેજ(%) બપોરબાદ	25	21	23	19	18



પવનનીગતિ(કિમી/કલાક)	14	16	16	14	13
પવનનીદિશા(ડીગ્રી)	315	312	331	315	304



સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૭-૦૪-૨૦૧૯ થી તા.૨૧-૦૪-૨૦૧૯ દરમ્યાન હવામાન સુકું, ગરમ અને મહદઅંશે યોખ્ખુ રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૫ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૭-૦૪-૧૯	૧૮-૦૪-૧૯	૧૯-૦૪-૧૯	૨૦-૦૪-૧૯	૨૧-૦૪-૧૯
વરસાદ(મી.મી)	10	0	0	0	0
મહત્તમતાપમાન (સે.ગ્રે)	36	36	37	38	39
લઘુત્તમતાપમાન (સે.ગ્રે)	23	24	25	26	25
વાદળનીસ્થિતિ(ઓકટા)	2	0	0	0	0
મહત્તમભેજ(%) સવાર	58	64	56	41	41
લઘુત્તમભેજ(%) બપોરબાદ	28	22	21	17	15
પવનનીગતિ(કિમી/કલાક)	16	15	18	15	15
પવનનીદિશા(ડીગ્રી)	283	281	330	328	301

- ૧૭ થી ૨૧-એપ્રિલ -૨૦૧૯ હવામાન સુકું, ગરમ અને મહદઅંશે યોખ્ખુ રહેશે અને મોરબી જીલ્લામાં તા.૧૭ ના રોજ અને સુરેન્દ્રનગર જીલ્લામાં તા. ૧૭ ના રોજ હળવા વરસાદી ઝાપટા થવાની શક્યતા છે. પવનની દિશા પશ્ચિમ અને વાયવ્યની મોટાભાગે રહેવાની અને પવનની ઝડપ ૬ થી ૨૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૩-૨૬ 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 છંટવી )
ઉનાળુ મગ અને અડદ	વૃદ્ધિ/ફૂલ	થ્રીપ્સ	થ્રીપ્સના નિયંત્રણ માટે 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.
ઉનાળુ મગફળી	ફૂલ અને સુયા 	થ્રીપ્સ	થ્રીપ્સના નિયંત્રણ માટે 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. • ફૂલ અવસ્થાએ મગફળીને હળવું પિયત આપવું.
ઉનાળુ તલ	ફૂલ/બૈઠા બેસવા	થ્રીપ્સ અને સફેદ માખી પાનવાળનાર (માથા બાંધનાર) ઈયળ 	ઉનાળુ તલમાં થ્રીપ્સ અને 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. ➤ તેમજ તલના પાકને ફૂલ અવસ્થાએ હળવું પિયત આપવું. ત્યારબાદ જમીનની પ્રત મુજબ ૧૦-૧૨ દિવસના ગાળે પિયત આપવું.વધારે પ્રમાણમાં ટ્રેકા અંતરે પિયત આપવા નહિ. જરૂર કરતા વધારે ભેજથી તલમાં સૂકારો અને કાળીયો રોગ આવવાની શક્યતા રહે છે.
ઉનાળુ બાજરી	ગાભા નીઘલ	-	જરૂરીયાત મુજબ પિયત આપવું.
ભીંડા	વૃદ્ધિ/ફૂલ/ફળ	થ્રીપ્સ, 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 પ્રોફેનોફોસ ૨૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૦ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છાન્કાવ કરવો.
તુરીયા દૂધી	વૃદ્ધિ/ફૂલ/ફળ	થ્રીપ્સ	ઉનાળુ શાકભાજીમાં થ્રીપ્સના નિયંત્રણ માટે લીંબોળીનું તેલ ૫૦ મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી

ગલકા	વૃદ્ધિ/ફૂલ/ફળ		અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા પ્રોફેનોફોસ ૨૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૦ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
કારેલા	વૃદ્ધિ/ફૂલ/ફળ		
ગુવાર	વૃદ્ધિ/ફૂલ/ફળ		
કાકડી	વૃદ્ધિ/ફૂલ/ફળ		
રીંગણી અને ટમેટી	ફૂલ/ફળ	સફેદ માખી ડુંખ અને→ ફળ કોરી ખાનાર ઈયળ કથીરી →	<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 ઈ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</li> <li>ફળ અને ડોકાની ઈયળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને ક્લોરાન્ટ્રાનીલીપ્રોલ ૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી ૭૬ ઈસી 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	ફેર રોપણી	પાનની કુકડ-થીપ્સ→  પાનની કુકડ- 	<p>ટ્રાયઝોફોસ ૪૦ ઈ.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 કુકડાય ગયેલ છોડ ઉપાડી તેનો જમીનમાં દાટી નાશ કરવો. ત્યાં સફેદ માખીથી ફેલાતો હોવાથી તેના નિયંત્રણ માટે હોસ્તાથીયોન દવા ૨૦ મી.લી./૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
આંબો	ફળનો વિકાસ		<p>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.</p> <p>આંબામાં ફળમાખીના નિયંત્રણ માટે ફેન્થીઓન ૧૦ મિલી અથવા ડીડીવીપી ૪ મિલી અને મીથાયલયુજીનોલ ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>

લીબુ	ફળનો વિકાસ		<p>ઊંચા તાપમાનને કારણે લીબુના બગીચામાં પાન કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
<p>પશુ/ મરઘા</p> 	<p>તાપમાન વધારે રહેવાના કારણે ઢોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ચર ચુક્ત 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. કરમિયાની દવા આપવી.</p>		

જુક્યુ/ટેકનિકલ ઓફિસર.(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૯  
તરઘડિયા(રાજકોટ), તારીખ: ૧૬/૦૪/૨૦૧૯.

પ્રતિ,  
તંત્રીશ્રી/ડાયરેક્ટરશ્રી,  
રાજકોટ,

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

ટેકનીકલ ઓફિસર  
સુકી ખેતીસંશોધન કેન્દ્ર  
જુનાગઢ કૃષિ નિવર્સિટી  
તરઘડીયા



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**Agro met Advisory Service bulletin No.5-for the Rajkot district**

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

(Period 17 to 21-April - 2019)

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

Rainfall (mm)	0.0
Maximum temperature (°C)	36.8-41.4
Minimum temperature (°C)	21.5-22.5
Relative Humidity (%) I	63-97
Relative Humidity (%) II	26-29
Wind speed (Kmph)	7.9-10.2

**Weather forecast until 08-30 hrs. of 21/04/2019**

**(1) RAJKOT DISTRICT:**

	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	36	36	37	38	39
Min.Temp.(°C)	23	24	25	26	25
Total CC (octa)	2	0	0	0	0
RH-I (%)	61	68	56	38	42
RH-II (%)	28	20	17	13	12
Wind Speed (kmph)	15	15	15	14	15
Wind Direction(deg.)	286	287	334	326	298


**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 36-39°C and 23-26°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 38-68% &amp; 12-28, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, NW and 14-15 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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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.

- As forecast of dry & 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.
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/cap sule formation	Leaf Webber	For the control thrips and 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 Lemdacyhelothrin 10 ml / 10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only. Due to cloudy weather monitor the crop against attack of leaf Webber is advised. If population is found more then spraying of Quinalphos @ 2 ml/litre of water is advised when sky remains clear.
<b>Summer Pearl millet</b>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flower ing/fruiting	Thrips  Mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips 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>	Growth/flower ing/fruiting	Thrips	In all vegetable crops thrips infestation observed above ETL. Spray 500 ml of 5 % <b>neem seed</b>

<b>Bottle gourd</b>	Growth/flowering/fruiting		<b>extractor</b> neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Sponge guard</b>	Growth/flowering/fruiting		
<b>Bitter guard</b>	Growth/flowering/fruiting		
<b>Cluster bean</b>	Growth/flowering/fruiting		
<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>	Growth/flowering/fruiting	<b>Thrips</b> →  Leaf curling Virus → 	In present weather conditions severe attack of thrips has been reported.SprayTriazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.  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 advisedfor control the vector, when sky remains clear.
<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.-5 for the Morbi district**

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

(Period 17 to 21-April - 2019)

**Weather forecast until 08-30 hrs. of 21/04/2019**


**(2) MORBI DISTRICT:**







	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	3	0	0	0	0
Max.Temp.(°C)	36	36	37	38	39
Min.Temp.(°C)	23	24	25	26	25
Total CC (octa)	1	0	0	0	0
RH-I (%)	47	48	42	21	32
RH-II (%)	15	13	16	10	8
Wind Speed (kmph)	8	11	9	6	10
Wind Direction(deg.)	297	297	323	29	238

**Agro meteorological Advisories:**

**General Advice**

- **Rain fall:** Dry, hot and mainly clear weather forecasted for next five days. Light rainfall during 17 April forecasted.
- **Temperature:** Maximum and minimum temperature likely to be in range of 36-39°C and 23-26°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 21-48% & 8-16, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW, NE, W and 6-11 km/h, respectively.
- 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.
- As forecast of dry & 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.

	<ul style="list-style-type: none"> <li>• 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>		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/capsule formation	Leaf Webber	<p>For the control thrips and 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 Lemdacyhelothrin 10 ml / 10 lit of water.</p> <p>To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.</p> <p>Due to cloudy weather monitor the crop against attack of leaf Webber is advised. If population is found more then spraying of Quinalphos @ 2 ml/litre of water is advised when sky remains clear.</p>
<b>Summer Pearl millet</b>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flowering/fruiting	Thrips  Mites	<p>Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.</p> <p>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.</p>
<b>Ridge gourd</b>	Growth/flowering/fruiting	Thrips	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 <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Bottle gourd</b>	Growth/flowering/fruiting		
<b>Sponge guard</b>	Growth/flowering/fruiting		
<b>Bitter guard</b>	Growth/flowering/fruiting		
<b>Cluster bean</b>	Growth/flowering/fruiting		

<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>	Growth/ flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus → 	<p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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>
<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 developent	<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.-5 for the Jamnagar district**

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

(Period 17 to 21-April - 2019)


**Weather forecast until 08-30 hrs of 21/04/2019**

**(3) JAMNAGAR DISTRICT:**







	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	35	35	35	36	35
Min. Temp.(°C)	24	25	25	26	26
Total CC (octa)	2	0	0	0	0
RH-I (%)	72	76	67	60	67
RH-II (%)	45	43	37	32	33
Wind Speed (kmph)	15	16	20	16	16
Wind Direction(deg.)	279	295	332	321	299

**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 35-36°C and 24-26°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 60-76% &amp; 32-45, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be W, NW and 15-20 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>• Deep ploughing of fields after harvesting of rabi crops is advised so that eggs and</li></ul>

	pupating stages of insects, fungus and weed seeds are destroyed.		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/cap sule formation	Leaf Webber	For the control thrips and 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 Lemdacyhelothrin 10 ml / 10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only. Due to cloudy weather monitor the crop against attack of leaf Webber is advised. If population is found more then spraying of Quinalphos @ 2 ml/litre of water is advised when sky remains clear.
<b>Summer Pearl millet</b>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flower ing/fruiting	Thrips  Mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips 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>	Growth/flower ing/fruiting	Thrips	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 <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Bottle gourd</b>	Growth/flower ing/fruiting		
<b>Sponge guard</b>	Growth/flower ing/fruiting		
<b>Bitter guard</b>	Growth/flower ing/fruiting		
<b>Cluster bean</b>	Growth/flower ing/fruiting		



<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>	Growth/ flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus → 	<p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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>
<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.-5 for the Devbhumi Dwarka district**

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

(Period 17 to 21-April - 2019)

**Weather forecast until 08-30 hrs of 21/04/2019**


**(4) DEVBHUMI DWARKA DISTRICT:**







	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	30	31	32	33	31
Min. Temp.(°C)	25	25	26	26	26
Total CC (octa)	1	0	0	0	0
RH-I (%)	73	77	67	68	76
RH-II (%)	40	41	32	27	30
Wind Speed (kmph)	12	13	24	15	14
Wind Direction(deg.)	273	297	332	321	306

**Agro meteorological Advisories:-**

**General Advice**

- **Rain fall: Dry, hot and mainly clear weather forecasted for next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 30-33°C and 25-26°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 67-77% & 27-41, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be W, NW and 12-24 km/h, respectively.
- 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.
- As forecast of dry & 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.
- 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.		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/cap sule formation	Leaf Webber	For the control thrips and 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 Lemdacyhelothrin 10 ml / 10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only. Due to cloudy weather monitor the crop against attack of leaf Webber is advised. If population is found more then spraying of Quinalphos @ 2 ml/litre of water is advised when sky remains clear.
<b>Summer Pearl millet</b>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flower ing/fruiting	Thrips  Mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips 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>	Growth/flower ing/fruiting	Thrips	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 <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Bottle gourd</b>	Growth/flower ing/fruiting		
<b>Sponge guard</b>	Growth/flower ing/fruiting		
<b>Bitter guard</b>	Growth/flower ing/fruiting		
<b>Cluster bean</b>	Growth/flower ing/fruiting		

<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>	Growth/ flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus → 	<p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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>
<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.-5 for the Amreli district**

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

(Period 17 to 21-April - 2019)

**Weather forecast until 08-30 hrs of 21/04/2019**


**(5) AMRELI DISTRICT:**







	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	37	36	36	37	38
Min.Temp.(°C)	23	24	25	25	24
Total CC (octa)	1	0	0	0	0
RH-I (%)	57	62	55	38	41
RH-II (%)	25	21	23	19	18
Wind Speed (kmph)	14	16	16	14	13
Wind Direction(deg.)	315	312	331	315	304

**Agro meteorological Advisories:**

**General Advice**

- **Rain fall: Dry, hot and mainly clear weather forecasted for next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 36-38°C and 23-25°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 38-62% & 18-25, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW and 13-16 km/h, respectively.
- 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.
- As forecast of dry & 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.
- 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.		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/cap sule formation	Leaf Webber	For the control thrips and 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 Lemdacyhelothrin 10 ml / 10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only. Due to cloudy weather monitor the crop against attack of leaf Webber is advised. If population is found more then spraying of Quinalphos @ 2 ml/litre of water is advised when sky remains clear.
<b>Summer Pearl millet</b>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flower ing/fruiting	Thrips  Mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips 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>	Growth/flower ing/fruiting	Thrips	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 <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Bottle gourd</b>	Growth/flower ing/fruiting		
<b>Sponge guard</b>	Growth/flower ing/fruiting		
<b>Bitter guard</b>	Growth/flower ing/fruiting		
<b>Cluster bean</b>	Growth/flower ing/fruiting		

<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>	Growth/ flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus → 	<p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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>
<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.-5 for the Surendranagar district**

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

(Period 17 to 21-April - 2019)

**Weather forecast until 08-30 hrs of 21/04/2019**

**(6) SURENDRANAGAR DISTRICT:**


	17/04/19	18/04/19	19/04/19	20/04/19	21/04/19
Rainfall (mm)	10	0	0	0	0
Max.Temp.(°C)	36	36	37	38	39
Min.Temp.(°C)	23	24	25	26	25
Total CC (octa)	2	0	0	0	0
RH-I (%)	58	64	56	41	41
RH-II (%)	28	22	21	17	15
Wind Speed (kmph)	16	15	18	15	15
Wind Direction(deg.)	283	281	330	328	301







**Agro meteorological advisories:**

**General Advice**

- **Rain fall: Dry, hot and mainly clear weather forecasted for next five days. Light rainfall during 17 April forecasted.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 36-39°C and 23-26°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 41-64% & 15-28, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be W, NW and 15-18 km/h, respectively.
- 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.
- As forecast of dry & 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.
- 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.		
Crops	Stage	Insect/Pest/ Variety	Advisory
<b>Green gram</b>	Growth/ Flowering	Thrips	For the control thrips spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or Lemdacyhelothrin 10 ml / 10 lit of water.
<b>Black Gram</b>	Growth/ Flowering	Thrips	
<b>Summer Groundnut</b>	Pegging		Apply light irrigation at flowering stage
<b>Summer Sesame</b>	Flowering/capsule formation	Thrips/ Leaf Webber	For the control thrips and 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 Lemdacyhelothrin 10 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>	Flag leaf	-	Apply irrigation as per need.
<b>Lady finger</b>	Growth/flowering/fruiting	Thrips  Mites	Spray 500 ml of 5 % <b>neem seed extract</b> or neem seed oil 50 ml with <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips 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>	Growth/flowering/fruiting	Thrips	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 <b>Profenofos</b> 20 ml or <b>imidacloprid 30.5 SC</b> 3 ml or Lemdacyhelothrin 10 ml/10 lit of water for thrips control.
<b>Bottle gourd</b>	Growth/flowering/fruiting		
<b>Sponge guard</b>	Growth/flowering/fruiting		
<b>Bitter guard</b>	Growth/flowering/fruiting		
<b>Cluster bean</b>	Growth/flowering/fruiting		

<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>	Growth/ flowering/ fruiting	<b>Thrips</b> →   Leaf curling Virus → 	<p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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>
<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.**