



ગ્રામીણ કૃષિ મૌસમ સેવા
હવામાન આગાહી આધારીત કૃષિ સલાહ બુલેટીન
ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ
તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦



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

કૃષિ હવામાન બુલેટીન નં. ૬/૨૦૨૦

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબળો	
વરસાદ(મી.મી)	0.0
મહત્તમ તાપમાન(સે.ગ્રે)	41.0-42.0
લઘુતમ તાપમાન(સે.ગ્રે)	20.0-23.5
ભેજ (%) સવાર	47-84
ભેજ (%) બપોરબાદ	23.0-25.0
પવનની ગતિ(કિમી/કલાક)	6.3-8.4

હવામાન આગાહી : પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૧૮-૦૪-૨૦૨૦ થી ૨૨-૦૪-૨૦૨૦

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

રાજકોટ : જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સૂકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૯-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૪-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૮-૦૪-૨૦	૧૯-૦૪-૨૦	૨૦-૦૪-૨૦	૨૧-૦૪-૨૦	૨૨-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	40	40	40	39	40
લઘુતમતાપમાન(સે.ગ્રે)	25	25	24	24	25
વાદળનીસ્થિતિ(ઓકટા)	1	1	4	1	3
મહત્તમભેજ (%) સવાર	57	58	67	75	71
લઘુતમભેજ (%) બપોરબાદ	25	23	24	25	24
પવનનીગતિ(કિમી/કલાક)	13	13	14	12	14
પવનનીદિશા(ડીગ્રી)	308	304	295	280	280

મોરબી : જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સૂકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૯-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૪-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ પેરામીટર	દિવસ-૧ ૧૮-૦૪-૨૦	દિવસ-૨ ૧૯-૦૪-૨૦	દિવસ-૩ ૨૦-૦૪-૨૦	દિવસ-૪ ૨૧-૦૪-૨૦	દિવસ-૫ ૨૨-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	40	40	40	39	40
લઘુત્તમતાપમાન(સે.ગ્રે)	25	25	24	24	25
વાદળનીસ્થિતિ(ઓકટા)	1	1	4	1	3
મહત્તમભેજ (%)સવાર	57	58	67	75	71
લઘુત્તમભેજ (%) બપોરબાદ	25	23	24	25	24
પવનનીગતિ(કિમી/કલાક)	13	13	14	12	14
પવનનીદિશા(ડીગ્રી)	308	304	295	280	280

જામનગર: જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૦-૪૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ પેરામીટર	દિવસ-૧ ૧૮-૦૪-૨૦	દિવસ-૨ ૧૯-૦૪-૨૦	દિવસ-૩ ૨૦-૦૪-૨૦	દિવસ-૪ ૨૧-૦૪-૨૦	દિવસ-૫ ૨૨-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	41	40	40	40	40
લઘુત્તમતાપમાન(સે.ગ્રે)	25	25	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	2	1	3	1	4
મહત્તમભેજ (%)સવાર	67	69	78	82	79
લઘુત્તમભેજ (%) બપોરબાદ	40	38	41	43	43
પવનનીગતિ(કિમી/કલાક)	14	15	14	11	13
પવનનીદિશા(ડીગ્રી)	316	313	302	287	287

દેવભૂમિ દ્વારકા: જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૧૯ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ રહેશે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૦-૩૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૪-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ પેરામીટર	દિવસ-૧ ૧૪-૦૪-૨૦	દિવસ-૨ ૧૫-૦૪-૨૦	દિવસ-૩ ૧૬-૦૪-૨૦	દિવસ-૪ ૧૭-૦૪-૨૦	દિવસ-૫ ૧૮-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	30	30	30	30	31
લઘુત્તમતાપમાન(સે.ગ્રે)	25	24	24	25	25
વાદળનીસ્થિતિ(ઓકટા)					
મહત્તમભેજ (%)સવાર					
લઘુત્તમભેજ (%) બપોરબાદ					
પવનનીગતિ(કિમી/કલાક)					
પવનનીદિશા(ડીગ્રી)					

અમરેલી: જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૪ કીમી/કલાક રહેની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૪-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.


તારીખ પેરામીટર	દિવસ-૧ ૧૮-૦૪-૨૦	દિવસ-૨ ૧૯-૦૪-૨૦	દિવસ-૩ ૨૦-૦૪-૨૦	દિવસ-૪ ૨૧-૦૪-૨૦	દિવસ-૫ ૨૨-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0


મહત્તમતાપમાન(સે.ગ્રે)	41	41	41	42	41
લઘુત્તમતાપમાન(સે.ગ્રે)	25	25	25	24	24
વાદળનીસ્થિતિ(ઓકટા)	2	1	3	1	2
મહત્તમભેજ (%)સવાર	60	58	60	63	66
લઘુત્તમભેજ (%) બપોરબાદ	33	29	29	31	27
પવનનીગતિ(કિમી/કલાક)	13	14	12	14	14
પવનનીદિશા(ડીગ્રી)	328	327	315	318	309

સુરેન્દ્રનગર :જીલ્લામાં આગામી તા.૧૮-૦૪-૨૦૨૦ થી તા.૨૨-૦૪-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૩ થી ૧૭ કીમી/કલાક રહેવાની શક્યતા છે .આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૦-૪૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૬-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૮-૦૪-૨૦	૧૯-૦૪-૨૦	૨૦-૦૪-૨૦	૨૧-૦૪-૨૦	૨૨-૦૪-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	41	41	41	40	41
લઘુત્તમતાપમાન(સે.ગ્રે)	26	26	26	26	27
વાદળનીસ્થિતિ(ઓકટા)	1	1	4	1	3
મહત્તમભેજ (%)સવાર	52	52	56	67	63
લઘુત્તમભેજ (%) બપોરબાદ	24	24	24	24	23
પવનનીગતિ(કિમી/કલાક)	16	16	17	13	15
પવનનીદિશા(ડીગ્રી)	305	299	287	281	280

- ૧૮ થી ૨૨-એપ્રિલ-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને મુખત્વે વાદળછાયું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની મોટાભાગે રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૭ કીમી/કલાક રહેવાની શક્યતા છે .આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૦-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૪ -૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.
- કોરોના વાયરસને ફેલાતો અટકાવવા બીનજરૂરી અવર જવર ટાળવી, કોઈપણ સંજોગોમાં સમુહમાં ભેગા થવું નહિ, ટોળે વળીને બેસવું નહિ.
- વારંવાર સાબુથી હાથ ધોવા અને પછી જ આંખ, કાન અને મોને અડકવું.
- મોં પર કપડું (માસ્ક) બાંધી રાખવું, છીંક અને ઉધરસ વખતે મો અને નાક આડે રુમાલ અવશ્ય રાખવો
- કાપણી, શ્રેશિંગ અને અન્ય ખેતી વિષયક કામગીરી દરમ્યાન સામાજીક અંતર (બે વ્યક્તિ વચ્ચે ૬ થી ૭ ફૂટ અંતર) જાળવવું તેમજ ભોજન અને આરામના સમયે અલગ અલગ દુર બેસવું.
- ખેત ઓજારોની આપ -લે દરમ્યાન ઓજારોને સાબુના પાણીથી સાફ કર્યા બાદ જ એક બીજાને આપવા અને ઉપયોગમાં લેવા.
- શરદી, ઉધરસ, કફ અને તાવ જેવું લાગે તો નજીકના આરોગ્ય કેન્દ્રનો સંપર્ક સાધવો.
- આગામી તા. ૧૯ થી ૨૨ એપ્રિલ દરમ્યાન હવામાન સુકું, અને ગરમ રહેશે.
- આ હવામાન પરિસ્થિતિમાં ઉનાળુ શાકભાજી, તલ, અને ઘાસચારાના પાકોને સવારે અથવા સાંજના સમયે જરૂરીયાત મુજબ હળવું પિયત આપવું.
- શિયાળુંપાકોનેસંગ્રહકરતાપહેલાતેનાદાણાનેવ્યવસ્થિતસફાઈકરી, દાણામાં ૮ ટકા કરતા ઓછો ભેજ રહે ત્યાં સુધી સૂર્યતાપમાં 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 કરવું અને ગોડાઉનમાં ૦.૫ ટકા મેલાથીયોન દવાના દ્રાવણનો છંટકાવ કરવો.

દવાના છંટકાવ પછી ૭ થી ૮ દિવસ ગોડાઉન હવાયુસ્ત રીતે બંધ રાખવું. તેમજ દાણા ભરવા માટેના કોથળા સુર્યતાપમાં સૂકવવા જેથી જીવાતોના ઈંડા અને કોશેટાનો નાશ થાય.			
મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટરપાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
ઉનાળુ મગફળી	સુયા અને દોડવા બંધાવા	કથીરી	<ul style="list-style-type: none"> ફૂલ, સુયા અને દોડવા દાન્યાવાની અવસ્થાએ મગફળીને હળવું પિયત આપવું. ગરમ હવામાને કારને મગફળીમાં લાલ કથીરીનો ઉપદ્રવ થવાની શક્યતા હોય સતત નિરિક્ષણ કરતા રહેવું. જો ઉપદ્રવ જણાય તો ઈથીઓન દવા ૨૦ મી.લી./૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
ઉનાળુ તલ	ફૂલ/બેસવા	સફેદ માખી અને પાનવાળનાર (માથા બાંધનાર) ઈયળ 	<p>ઉનાળુ તલમાં સફેદ માખી અને પાનવાળનાર(માથા બાંધનાર) ઈયળના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ડાયફેનથાયુરોન ૫૦ ટકા વે.પા. ૧૬ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p> <p>➤ 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.</p>
ઉનાળુ મગ અને અડદ	વૃદ્ધિ/ફૂલ	શ્રીપ્સ અને સફેદ માખી	<p>ઉનાળુ મગ અને અડદમા શ્રીપ્સ અને સફેદ માખીના નિયંત્રણ માટે પ્રોફેનોફોસ ૨૦ મી.લી. અને ડાયફેનથાયુરોન ૫૦ ટકા વે.પા. ૧૬ ગ્રામ અને લીબોળીનું તેલ ૫૦ મીલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
રજકો	વૃદ્ધિ/વાઢ	શ્રીપ્સ	<p>રાજકામાં શ્રીપ્સના નિયંત્રણ માટે લીબોળીનું તેલ એઝાદીરેક્ટીન ૧૫૦૦ પીપીએમ ૫૦ મીલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
સરગવો	ફૂલ/શીંગ	ફૂલ અને પાન ખાનાર ઈયળ	<p>સરગવામાં ફૂલ અને પાન ખાનાર ઈયળના નિયંત્રણ માટે લીબોળીનું તેલ એઝાદીરેક્ટીન ૧૫૦૦ પીપીએમ ૫૦ મીલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી/ ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p> <p>તેમજ પુખ્ત કીટકના નિયંત્રણ માટે પ્રતિ હેક્ટર પ્રકાશ પિંજર મુકવા. વધુ ઉપદ્રવ હોય તો મેલાથીયોન ૫૦ ઈસી ૨૦ મિલી/ ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
ઉનાળુ રીંગણ, ભીંડા, તુરીયા, દૂધી, ગલકા, કારેલા, ગુવાર, કાકડી, તરબુચ	વૃદ્ધિ	શ્રીપ્સ અને સફેદ માખી	<p>ઉનાળુ રીંગણ, ભીંડા, તુરીયા, દૂધી, ગલકા, કારેલા, ગુવાર, કાકડી, અને તરબુચમાં શ્રીપ્સ અને સફેદ માખીના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ડાયફેનથાયુરોન ૫૦ ટકા વે.પા. ૧૬ ગ્રામ અથવા ટ્રાયઝોફોસ ૪૦ ઈસી ૨૫ મિ.લી. દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p>

ડુંગળી	વૃદ્ધિ વિકાસ	શ્રીપ્સ, પાનનો સુકારો જાંબલી ધાબા 	<ul style="list-style-type: none"> ➤ શ્રીપ્સના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. અતિ ઉપદ્રવ હોય તો સ્પીનોસાદ ૪ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો. ➤ ડુંગળીના પાકમાં જાંબલી ધાબાના રોગના નિયંત્રણ માટે મેન્કોઝેબ ૨૭ ગ્રામ અથવા કાર્બેન્ડાઝીમ ૧૦ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટાઇલ ૨૦ ગ્રામના/૧૦ લીટર પાણીમાં મિશ્ર કરી ૧૫ દિવસના અંતરે ત્રણ છંટકાવ કરવા. ➤ નાઈટ્રોજન યુક્ત એમોનિયમ સલ્ફેટ ખાતરનો પુરતી ડોઝ ૩૦ કીલો ગ્રામ પ્રતિ હે. આપવો.
રીંગણી અને ટમેટી	ફુલ/ફળ	શ્રીપ્સ, સફેદ માખી ડુંખ અને→ ફળ કોરી ખાનાર ઈયળ પાન કથીરી	<ul style="list-style-type: none"> ➤ શ્રીપ્સ અને સફેદ માખીના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ડાયફેન્થાયુરોન ૫૦ ટકા વે.પા. ૧૬ ગ્રામ અથવા ટ્રાયઝોફોસ ૪૦ ઈસી ૨૫ મિ.લી. દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. ➤ 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 મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. ➤ જો પાનકથીરીનો ઉપદ્રવ હોય તો પ્રોપરગાઈટ ૫૭ ઈ.સી. ૧૫ મિલી પ્રતિ પંપ છંટકાવ કરવો.
મરચી	વૃદ્ધિ/ફુલ/ફળ	શ્રીપ્સ, સફેદ માખી	<ul style="list-style-type: none"> ➤ પ્રોફેનોફોસ ૨૦ મીલી અને લીબોળીનું તેલ ૫૦ મિલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. શ્રીપ્સનો વધુ ઉપદ્રવ હોય તો સ્પીનોસાદ અથવા સ્પીનેટોરમ દવા ૫ મિલી. પ્રતિ પંપ છાંટવો.
આંબો	ફળનો વિકાસ	ફળમાખી	<p>કેરી લખોટી જેવડા કદની થાય ત્યારે ૨ ગ્રામ નેષેલીન 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>
લીંબુ	ફળનો વિકાસ		

જુફ્યુ/ટેકનિકલ ઓફિસર.સુખે/(એગ્રોમેટ/બુલેટીન / / ૨૦૨૦
તરઘડિયા(રાજકોટ), તારીખ:૧૭ /૦૪/૨૦૨૦.

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
તરઘડિયા



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Agromet Advisory Service bulletin No.6 -for the Rajkot district
(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)
(Period 18 to 22-April - 2020)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	41.0-42.0
Minimum temperature (°C)	20.0-23.5
Relative Humidity (%) I	47-84
Relative Humidity (%) II	23.0-25.0
Wind speed (Kmph)	6.3-8.4

Weather forecast until 08-30 hrs. of 22/04/2020

(1) RAJKOT DISTRICT:

	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	40	40	40	39	40
Min.Temp.(°C)	25	25	24	24	25
Total CC (octa)	1	1	4	1	3
RH-I (%)	57	58	67	75	71
RH-II (%)	25	23	24	25	24
Wind Speed (kmph)	13	13	14	12	14
Wind Direction(deg.)	308	304	295	280	280


Agro meteorological Advisories:




General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and Mainly clear to partly cloudy weather forecasted next five days.• Temperature: Maximum and minimum temperature likely to be in range of 39-40°C and 24-25°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 57-75% & 23-25, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be NW, W and 12-14 km/h, respectively.• Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with
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soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.

- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week: Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.**
- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.

Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	<p>Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.</p> <p>Use light trap 1-2/ha to attract & kill the adult.</p> <p>Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.</p>
Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon	Growing	White fly	<p>Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.</p>
Brinjal & Tomato	Flowering/ fruiting	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
Chili	Flowering & fruiting	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>

Mango	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.
Lemon	Fruit development	Mite 	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.-6 for the Morbi district

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

(Period 18 to 22-April - 2020)

Weather forecast until 08-30 hrs. of 22/04/2020

(2) MORBI DISTRICT:

	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	40	40	40	39	40
Min. Temp.(°C)	25	25	24	24	25
Total CC (octa)	1	1	4	1	3
RH-I (%)	57	58	67	75	71
RH-II (%)	25	23	24	25	24
Wind Speed (kmph)	13	13	14	12	14
Wind Direction(deg.)	308	304	295	280	280




Agro meteorological Advisories:-



General Advice

- **Rain fall: Dry, hot and Mainly clear to partly cloudy weather forecasted next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 39-40°C and 24-25°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 57-75% & 23-25, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW, W and 12-14 km/h, respectively.
- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.**
- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week: Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.**

- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.
Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water. Use light trap 1-2/ha to attract & kill the adult. Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.

Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon	Growing	White fly	Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.
Brinjal& Tomato	Flowering/ fruiting	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
Chili	Flowering & fruiting	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>
Mango	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>
Lemon	Fruit development	<p>Mite</p> 	<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>

			
<p>Livestock & poultry</p> 	<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 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.</p>		

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



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Agro met Advisory Service bulletin No.-6 for the Jamnagar district

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

(Period 18 to 22-April- 2020)

Weather forecast until 08-30 hrs. of 22/04/2020

(2) JAMNAGAR DISTRICT:

	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	41	40	40	40	40
Min. Temp.(°C)	25	25	25	25	25
Total CC (octa)	2	1	3	1	4
RH-I (%)	67	69	78	82	79
RH-II (%)	40	38	41	43	43
Wind Speed (kmph)	14	15	14	11	13
Wind Direction(deg.)	316	313	302	287	287




Agro meteorological Advisories:-



General Advice

- **Rain fall:** Dry, hot and Mainly clear to partly cloudy weather forecasted next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 40-41°C and 25-25°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 67-82% & 38-43, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW, W and 11-15 km/h, respectively.
- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.**
- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week:** Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.

- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.
Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water. Use light trap 1-2/ha to attract & kill the adult. Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.

Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon	Growing	White fly	<p>Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.</p>
Brinjal& Tomato	Flowering/ fruiting	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
Chili	Flowering & fruiting	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>
Mango	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>
Lemon	Fruit development	<p>Mite</p> 	<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>

			
<p>Livestock & poultry</p> 	<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 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.</p>		

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



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Agro met Advisory Service bulletin No.-6 for the Devbhumi Dwarka district

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

(Period 18 to 22-April- 2020)

Weather forecast until 08-30 hrs. of 22/04/2020

(4) DEVBHUMI DWARKA DISTRICT:




	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	30	30	30	30	31
Min. Temp.(°C)	25	24	24	25	25
Total CC (octa)					
RH-I (%)					
RH-II (%)					
Wind Speed (kmph)					
Wind Direction(deg.)					



Agro meteorological Advisories:-

General Advice

- **Rain fall: Dry, hot weather forecasted next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 30-31°C and 24-25°C, respectively.
- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.**
- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week: Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.**
- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- **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.		
Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.
Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water. Use light trap 1-2/ha to attract & kill the adult. Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.

Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon	Growing	White fly	<p>Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.</p>
Brinjal& Tomato	Flowering/ fruiting	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
Chili	Flowering & fruiting	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>
Mango	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>
Lemon	Fruit development	Mite 	<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>

			
<p>Livestock & poultry</p> 	<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 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.</p>		

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



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Agro met Advisory Service bulletin No.-6 for the Amreli district

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

(Period 18 to 22-April - 2020)

Weather forecast until 08-30 hrs. of 22/04/2020

(5) AMRELI DISTRICT:

	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	41	41	42	41
Min.Temp.(°C)	25	25	25	24	24
Total CC (octa)	2	1	3	1	2
RH-I (%)	60	58	60	63	66
RH-II (%)	33	29	29	31	27
Wind Speed (kmph)	13	14	12	14	14
Wind Direction(deg.)	328	327	315	318	309




Agro meteorological Advisories:



General Advice

- **Rain fall:** Dry, hot and Mainly clear to partly cloudy weather forecasted next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 41-42°C and 24-25°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 58-66% & 27-33, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW and 12-14 km/h, respectively.
- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.**
- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week:** Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.

- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.
Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water. Use light trap 1-2/ha to attract & kill the adult. Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.

<p>Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon</p>	<p>Growing</p>	<p>White fly</p>	<p>Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.</p>
<p>Brinjal& Tomato</p>	<p>Flowering/ fruiting</p>	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
<p>Chili</p>	<p>Flowering & fruiting</p>	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>
<p>Mango</p>	<p>Fruit development</p>	<p>Fruit fly</p>	<p>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.</p>
<p>Lemon</p>	<p>Fruit development</p>	<p>Mite</p> 	<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>

			
<p>Livestock & poultry</p> 	<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 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.</p>		

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



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Agro met Advisory Service bulletin No.-6 for the Surendranagar district

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

(Period 18 to 22-April- 2020)

Weather forecast until 08-30 hrs of 22/04/2020

(6) SURENDRANAGAR DISTRICT:

	18/04/20	19/04/20	20/04/20	21/04/20	22/04/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	41	41	40	41
Min.Temp.(°C)	26	26	26	26	27
Total CC (octa)	1	1	4	1	3
RH-I (%)	52	52	56	67	63
RH-II (%)	24	24	24	24	23
Wind Speed (kmph)	16	16	17	13	15
Wind Direction(deg.)	305	299	287	281	280




Agro meteorological advisories:



General Advice

- **Rain fall: Dry, hot and Mainly clear to partly cloudy weather forecasted next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 40-41°C and 26-27°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 52-67% & 23-24, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be NW, W and 13-17 km/h, respectively.
- **Keeping in view of threat of COVID-19 spread farmers are advised to follow the government guidelines, personal hygiene, use mask, ensure hand washing with soap at reasonable interval, social distancing of 6 feet during harvesting and other agricultural operation in all crops.**
- **Hot weather very likely to prevail at isolated pockets in the districts of Saurashtra-Kutch during 18-19 April.**
- **Weather outlook for subsequent week: Dry, hot and partly to mainly cloudy weather very likely to observe during 23-26 April-2020.**

- **Due to prevailing dry and 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, bacteria and weed seeds are destroyed.**
- 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.

Crops	Stage	Insect/Pest/ Variety	Advisory
Summer Groundnut	Pegging/pod formation	Mite	Apply light irrigation at flowering and pod formation stages. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more then spraying of Ethion @ 1.5-2 ml/litre of water is advised.
Summer Sesame	Flowering & capsule formation	White fly/ Leaf Webber	For the control thrips and leaf webber spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water. To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.
Green gram & Black gram	Growing/ flowering initiation	White fly & Thrips	For the control of thrips and white fly in green & black gram spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with difenthiuron 16gm/10 lit of water.
Lucern	Growing	Thrips	Monitor the crop for infestation of white thrips in lucern, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water.
Drum stick/ Moringa	Flowering & fruiting	Bud worm & leaf caterpillar	Monitor the crop for infestation of Bud worm & leaf caterpillar, if require spray 500 ml of 5 % neem seed extract (Azadirachtin) or neem seed oil (Azadirachtin 1500 ppm) 50 ml with / 10 lit of water. Use light trap 1-2/ha to attract & kill the adult. Under heavy infestation make spray of Malathion 50 EC 20 ml/10 litre of water.

Brinjal, Lady finger, Ridge gourd, Bottle gourd, Sponge guard, Bittergourd, Cluster bean, Water melon	Growing	White fly	<p>Monitor the crops for infestation of white fly in brinjal, lady finger, ridge, sponge, bottle and bitter gourd, cluster bean and water melon, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 % WP @ 16 gm /10 lit of water.</p>
Brinjal& Tomato	Flowering/ fruiting	<p>Sucking pest →</p> <p>Shoot & Fruit borer</p>  <p>Mites</p>	<p>Monitor the crop for infestation of white fly in brinjal, if require spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with diafenthiuron 50 %wp @ 16 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 chlorantraniliprole 18.5 % SC 3.0 ml or DDVP 7 ml/10 litre of water is advised against fruit borer.</p> <p>If infestation is found, then make spraying of Propargite 57 % EC @ 10 ml/ 10litre of water for the control of Mites under clear sky.</p>
Chili	Flowering & fruiting	<p>Thrips →</p> 	<p>Under present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml with 500 ml of 5 % neem seed extract or neem seed oil 50 ml in 10 litres of water. In case of heavy attack make spray of spinosad or spinetoram 3 ml per 10 liter of water.</p>
Mango	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>
Lemon	Fruit development	<p>Mite</p> 	<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>

			
<p>Livestock & poultry</p> 	<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 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.</p>		

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