



ગ્રામીણ કૃષિ મૌસમ સેવા
હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન
ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ
તા.૦૬-૦૪-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦



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

કૃષિ હવામાન બુલેટીન નં. ૧૧/૨૦૨૦

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબળો	
વરસાદ(મી.મી)	0.0
મહત્તમ તાપમાન(સે.ગ્રે)	40.7-42.2
લઘુતમ તાપમાન(સે.ગ્રે)	24.2-25.5
ભેજ (%)સવાર	77-80
ભેજ (%)બપોરબાદ	22-28
પવનની ગતિ(કિમી/કલાક)	9.7-11.6

હવામાન આગાહી :પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૦૬-૦૫-૨૦૨૦ થી ૧૦-૦૫-૨૦૨૦

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.૦૬-૦૫-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦ દરમિયાન હવામાન સૂકું, ગરમ અને યોષ્ઠું રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૪ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૪૧-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમિયાન ૨૬-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૬-૦૫-૨૦	૦૭-૦૫-૨૦	૦૮-૦૫-૨૦	૦૯-૦૫-૨૦	૧૦-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	41	42	43	42	42
લઘુતમતાપમાન(સે.ગ્રે)	26	26	26	26	26
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહત્તમભેજ (%)સવાર	83	87	88	84	87
લઘુતમભેજ (%) બપોરબાદ	36	29	29	30	27
પવનનીગતિ(કિમી/કલાક)	17	18	15	14	14
પવનનીદિશા(ડીગ્રી)	264	256	257	262	263

મોરબી :જીલ્લામાં આગામી તા.૦૬-૦૫-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦ દરમિયાન હવામાન સૂકું, ગરમ અને યોષ્ઠું રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૮ થી ૧૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૪૧-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમિયાન ૨૬-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૬-૦૫-૨૦	૦૭-૦૫-૨૦	૦૮-૦૫-૨૦	૦૯-૦૫-૨૦	૧૦-૦૫-૨૦

વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	41	42	43	42	42
લઘુત્તમતાપમાન(સે.ગ્રે)	26	26	26	26	26
વાદળનીસ્થિતિ(ઓકટા)	1	0	0	0	0
મહત્તમભેજ (%)સવાર	41	35	38	45	34
લઘુત્તમભેજ (%) બપોરબાદ	13	10	9	10	11
પવનનીગતિ(કિમી/કલાક)	9	9	8	8	10
પવનનીદિશા(ડીગ્રી)	284	289	276	268	296

જામનગર: જીલ્લામાં આગામી તા.૦૬-૦૫-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૩ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૯-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૦૬-૦૫-૨૦	૦૭-૦૫-૨૦	૦૮-૦૫-૨૦	૦૯-૦૫-૨૦	૧૦-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	40	39	39	39	39
લઘુત્તમતાપમાન(સે.ગ્રે)	27	27	27	28	27
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહત્તમભેજ (%)સવાર	87	89	91	89	89
લઘુત્તમભેજ (%) બપોરબાદ	54	50	53	53	53
પવનનીગતિ(કિમી/કલાક)	18	16	15	13	15
પવનનીદિશા(ડીગ્રી)	265	255	254	249	256

દેવભૂમિ દ્વારકા : જીલ્લામાં આગામી તા.૦૬-૦૫-૨૦૧૯ થી તા.૧૦-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ રહશે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૨ 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	૦૬-૦૫-૨૦	૦૭-૦૫-૨૦	૦૮-૦૫-૨૦	૦૯-૦૫-૨૦	૧૦-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	32	32	32	32	32
લઘુત્તમતાપમાન(સે.ગ્રે)	27	27	26	26	26
વાદળનીસ્થિતિ(ઓકટા)					
મહત્તમભેજ (%)સવાર					
લઘુત્તમભેજ (%) બપોરબાદ					
પવનનીગતિ(કિમી/કલાક)					
પવનનીદિશા(ડીગ્રી)					

અમરેલી : જીલ્લામાં આગામી તા.૦૬-૦૫-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૯ થી ૧૩ કીમી/કલાક રહેની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૨-૪૩ 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	૦૬-૦૫-૨૦	૦૭-૦૫-૨૦	૦૮-૦૫-૨૦	૦૯-૦૫-૨૦	૧૦-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	42	43	43	43	43
લઘુત્તમતાપમાન(સે.ગ્રે)	27	26	26	27	27
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0




મહતમભેજ (%) સવાર	81	85	86	78	81
લઘુતમભેજ (%) બપોરબાદ	40	36	37	35	30
પવનનીગતિ(કિમી/કલાક)	11	13	9	11	11
પવનનીદિશા(ડીગ્રી)	280	272	271	292	292


સુરેન્દ્રનગર : જીલ્લામાં આગામી તા.૦૬-૦૫-૨૦૨૦ થી તા.૧૦-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૫ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.



તારીખ પેરામીટર	દિવસ-૧ ૦૬-૦૫-૨૦	દિવસ-૨ ૦૭-૦૫-૨૦	દિવસ-૩ ૦૮-૦૫-૨૦	દિવસ-૪ ૦૯-૦૫-૨૦	દિવસ-૫ ૧૦-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહતમતાપમાન(સે.ગ્રે)	41	42	43	43	43
લઘુતમતાપમાન(સે.ગ્રે)	28	28	28	28	28
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહતમભેજ (%) સવાર	75	81	81	77	80
લઘુતમભેજ (%) બપોરબાદ	31	26	26	28	24
પવનનીગતિ(કિમી/કલાક)	19	18	17	16	15
પવનનીદિશા(ડીગ્રી)	265	254	259	269	270

- ૦૬ થી ૧૦-મે -૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહેશે. પવનની દિશા પશ્ચિમની મોટાભાગે રહેવાની અને પવનની ઝડપ ૮ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૨-૪૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૬-૨૮ 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 ઉઘરસ વખતે મો અને નાક આડે રૂમાલ 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, ઉઘરસ, કફ અને તાવ જેવું લાગે તો નજીકના આરોગ્ય કેન્દ્રનો સંપર્ક સાધવો.
- ખેત પેદાશના વેચાણ અને બીજ, ખાતર અને દવાઓની ખરીદી દરમ્યાન મોં પર કપડું (માસ્ક) બાંધી રાખવું અને બે વ્યક્તિ વચ્ચે ૬ થી ૭ ફૂટ અંતર જાળવવું.
- આગામી તા. ૭ થી ૧૦ મે દરમ્યાન હવામાન યોખ્ખું, સુકું અને ગરમ રહેશે.
- આ હવામાન પરિસ્થિતિમાં ઉનાળુ શાકભાજી, તલ, અને ઘાસચારાના પાકોને સવારે અથવા સાંજના સમયે જરૂરીયાત મુજબ હળવું પિયત આપવું.
- આકરા તાપમાં બપોરના સમયે બહાર નીકળવું નહિ, પુષ્કળ પાણી પીવું, હલકા સુતરાઉ કપડા પહેરવા અને માથા પર ટોપી પહેરવી. તેમજ પશુઓને બપોરના સમયે વૃક્ષોના છાયામાં અથવા શેડમાં રાખવા.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટરપાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
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ખાતરની ખાસ	પાકું ખાતર પલટાવવું	v	<p>પશુઓના મળમૂત્ર અને ખેત કચરામાંથી પૂર્ણ સદી ગયેલ ખાતરને ખાત્રાંથી બહાર કાઢવું.</p> 
ઉનાળુ મગફળી	ડોડવા બંધાવવા અને દાણા ભરાવા	લશ્કરી ઈયળ કથીરી	<ul style="list-style-type: none"> • ડોડવા બંધાવવાની અવસ્થાએ મગફળીને હળવું પિયત આપવું. • મગફળીમાં લશ્કરી ઈયળનો ઉપદ્રવ વધુ હોય તો એમામેકટીન બેન્જોએટ ૫ ટકા મમરી ૧૦ ગ્રામ પ્રતિ પંપ છંટકાવ કરવો. • ગરમ હવામાનને કારણે મગફળીમાં લાલ કથીરીનો ઉપદ્રવ થવાની શક્યતા હોય સતત નિરીક્ષણ કરતા રહેવું. જો ઉપદ્રવ જણાય તો ઈથીઓન દવા ૨૦ મી.લી. અથવા પ્રોપરગાઈટ ૫૭ ઈ.સી. ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. 
ઉનાળુ તલ	ફૂલ/બેઠા બેસવા	સફેદ માખી અને પાનવાળનાર (માથા બાંધનાર) ઈયળ  કાળીયો (ફાયટોફ્થોરા બ્લાઈટ)	<p>ઉનાળુ તલમાં પાનવાળનાર(માથા બાંધનાર) ઈયળના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</p> <p>લીલી ઈયળના નિયંત્રણ માટે સ્પીનોસાદ ૩ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી 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	ફૂલ અને શીંગ બંધાવવી	સફેદ માખી, લીલી ઈયળ	<p>લીબોળીનું તેલ ૫૦ મિલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી અને પ્રોફેનોફોસ ૨૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો ઈયળોનો વધુ ઉપદ્રવ હોય તો ઈન્ડોક્સાકાર્બ ૧૦ મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
સરગવો	ફૂલ/શીંગ	ફૂલ અને પાન ખાનાર ઈયળ	<p>સરગવામાં ફૂલ અને પાન ખાનાર ઈયળના નિયંત્રણ માટે લીબોળીનું તેલ એઝાદીરેકટીન ૧૫૦૦ પીપીએમ ૫૦ મીલી અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી/ ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>

			તેમજ પુખ્ત કીટકના નિયંત્રણ માટે પ્રતિ હેક્ટર પ્રકાશ પિંજર મુકવા. વધુ ઉપદ્રવ હોય તો મેલાથીયોન ૫૦ ઇસી ૨૦ મિલી/ ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
ભીંડા	ફૂલ/ફળ	સફેદમાખી, પાન કથીરી	શ્રીપ્સના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઇમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છંટકાવ કરવો.
તુરીયા, દૂધી, ગલકા, કારેલા, ગુવાર, કાકડી, તરબુચ	ફૂલ/ફળ	શ્રીપ્સ/ સફેદ માખી કથીરી તળછારો	ઉનાળુ શાકભાજીમાં સફેદમાખીના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઇમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છાન્કાવ કરવો. વેલાવાળા શાકભાજીમાં તળછારાના નિયંત્રણ માટે મેન્કોઝેબ ૪૦ ગ્રામ પ્રતિ પંપમાં મિશ્ર કરી છંટકાવ કરવો. વેલાવાળા શાકભાજીમાં પરાગનયનની પ્રક્રિયા સારી થાય તે માટે હળવા અને ટુંકા ગાળાના પિયતથી જમીનમાં ભેજ જાળવવો જેથી વધુ ઉત્પાદન મેળવી શકાય.
રીંગણી	ફૂલ/ફળ	સફેદ માખી ડુંપ અને→ ફળ કોરી ખાનાર ઇયળ પાન કથીરી	➤ સફેદ માખીના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ડાયઝેનથાયુરોન ૫૦ ટકા વે.પા. ૧૬ ગ્રામ અથવા ટ્રાયઝોફોસ ૪૦ ઇસી ૨૫ મિ.લી. દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. ➤ ફળ અને ડોકાની ઇયળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને ક્લોરાનટ્રાનીલીપ્રોલ ૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી ૭૬ ઇસી ૫ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. ➤ જો પાનકથીરીનો ઉપદ્રવ હોય તો પ્રોપરગાઈટ ૫૭ ઇ.સી. ૧૫ મિલી પ્રતિ પંપ છંટકાવ કરવો.
મરચી	વૃદ્ધિ/ફૂલ/ફળ	શ્રીપ્સ, સફેદ માખી	➤ પ્રોફેનોફોસ ૨૦ મીલી અને લીબોળીનું તેલ ૫૦ મિલી અથવા લીબોળીના મીંજનું 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 છાંટવી.
લીંબુ	ફળનો વિકાસ	પાન કથીરી 	ઊંચા તાપમાનને કારણે લીંબુના બગીચામાં પાન કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો. લીંબુના બગીચાને નિયત અંતરે સમયસર પિયત આપવું જેથી ફળ ફાટે નહિ.

			
આંબો	ફળનો વિકાસ	ફળમાખી	કેરી લખોટી જેવડા કદની થાય ત્યારે ૨ ગ્રામ નેપ્થેલીન એસેટીક એસીડ અને ૨ કી.ગ્રા. યુરીયાને ૧૦૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો જેથી કેરીનું ખરણ ઓછું થાય. આંબામાં ફળમાખીના નિયંત્રણ માટે ફેન્થીઓન ૧૦ મિલી અથવા ડીડીવીપી ૪ મિલી અને મીથાયલયુજીનોલ ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
પશુ/ મરઘા 	તાપમાન વધારે રહેવાના કારણે ઢોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ચર યુક્ત પીવાના સ્વચ્છ પાણીની વ્યવસ્થા કરાવી. દુધાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ કરવો. ખોરાકમાં લીલા ચારનું પ્રમાણ વધારવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઇડ અથવા બોરિક પાવડરથી બરાબર સાફ કરવું. પશુઓમાં ગળસુંઢો અને UF\9LIF 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.		

જુફ્યુ/ટેકનિકલ ઓફિસર.સુખે/(એગ્રોમેટ/બુલેટીન / / ૨૦૨૦
તરઘડિયા(રાજકોટ), તારીખ:૦૫/૦૫/૨૦૨૦.

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 નિવર્તીટી
તરઘડિયા



Gramin Krushi Mausam Seva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell :94269 38235



Agromet Advisory Service bulletin No.11 -for the Rajkot district

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

(Period 06 to 10-May - 2020)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	40.7-42.2
Minimum temperature (°C)	24.2-25.5
Relative Humidity (%) I	77-80
Relative Humidity (%) II	22-28
Wind speed (Kmph)	9.7-11.6

Weather forecast until 08-30 hrs. of 10/05/2020

(1) RAJKOT DISTRICT:




	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	42	43	42	42
Min.Temp.(°C)	26	26	26	26	26
Total CC (octa)	0	0	0	0	0
RH-I (%)	83	87	88	84	87
RH-II (%)	36	29	29	30	27
Wind Speed (kmph)	17	18	15	14	14
Wind Direction(deg.)	264	256	257	262	263

Agro meteorological Advisories:






General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and clear weather forecasted next five days• Temperature: Maximum and minimum temperature likely to be in range of 41-43°C and 26-26°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 83-88% & 27-36, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W and 14-18 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
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agricultural operation in all crops.

- **Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.**
- **Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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.**
 - **Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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.**

Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	Dig out completely composted material made from animal dung, urine, litter and farm waste. 
Summer Groundnut	Pod formation/development 	Prodenia Red Mite 	Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised. Apply light irrigation at flowering and pod formation stages.
Summer Sesame	Flowering & capsule formation-development	White fly/ Leaf Webber Phytophthora blight	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	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water forwhiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 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.
Lady finger	Flowering/fruiting	White flies & mites	Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra. 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. Due to prevailing high temperature, light irrigation at short interval is advised.
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	White flies/ Mites Downy mildew	In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control. If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous . For the control of downy mildew spray mencozeb 40g/pump. Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.
Brinjal	Flowering/ fruiting	Sucking pest → Shoot & Fruit borer	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

		 <p>Mites</p>	<p>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. 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>To prevent cracking of fruits apply irrigation in time at regular interval.</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.



GraminKrushiMausamSeva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell :9426938235



Agro met Advisory Service bulletin No.-11 for the Morbi district

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

(Period 06 to 10-May - 2020)




Weather forecast until 08-30 hrs. of 10/05/2020



(2) MORBI DISTRICT:




	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	41	42	43	42	42
Min. Temp.(°C)	26	26	26	26	26
Total CC (octa)	1	0	0	0	0
RH-I (%)	41	35	38	45	34
RH-II (%)	13	10	9	10	11
Wind Speed (kmph)	9	9	8	8	10
Wind Direction(deg.)	284	289	276	268	296

Agro meteorological Advisories:-

General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and clear weather forecasted next five days.• Temperature: Maximum and minimum temperature likely to be in range of 41-43°C and 26-26°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 34-45% & 9-13, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 8-10 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.• Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.• Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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
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	<p>or in the evening hours.</p> <ul style="list-style-type: none"> • Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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. 		
Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	<p>Dig out completely composted material made from animal dung, urine, litter and farm waste.</p> 
Summer Groundnut	Pod formation/development 	<p>Prodenia</p> <p>Red Mite</p> 	<p>Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water.</p> <p>Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised.</p> <p>Apply light irrigation at flowering and pod formation stages.</p>
Summer Sesame	Flowering & capsule formation-development	<p>White fly/ Leaf Webber</p> <p>Phytophthora blight</p>	<p>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.</p> <p>To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.</p>
Green gram & Black gram	Flowering & pod formation	White flies & heliothis	<p>Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water for whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 10 lit of water.</p>
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</p>

			<p>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>
Lady finger	Flowering/fruiting	White flies & mites	<p>Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra.</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. Due to prevailing high temperature, light irrigation at short interval is advised.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	<p>White flies/</p> <p>Mites</p> <p>Downy mildew</p>	<p>In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous .</p> <p>For the control of downy mildew spray mencozeb 40g/pump.</p> <p>Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.</p>
Brinjal	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 irrigation as per need.
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>To prevent cracking of fruits apply irrigation in time at regular interval.</p>
Livestock & poultry 	<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.



GraminKrushiMausamSeva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell :9426938235



Agro met Advisory Service bulletin No.-11 for the Jamnagar district

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

(Period 06 to 10-May - 2020)




Weather forecast until 08-30 hrs. of 10/05/2020


(3) JAMNAGAR DISTRICT:




	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	40	39	39	39	39
Min. Temp.(°C)	27	27	27	28	27
Total CC (octa)	0	0	0	0	0
RH-I (%)	87	89	91	89	89
RH-II (%)	54	50	53	53	53
Wind Speed (kmph)	18	16	15	13	15
Wind Direction(deg.)	265	255	254	249	256

Agro meteorological Advisories:-

General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and clear weather forecasted next five days.• Temperature: Maximum and minimum temperature likely to be in range of 39-40°C and 27-28°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 87-91% & 50-54, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W and 13-18 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.• Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.• Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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
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	<p>or in the evening hours.</p> <ul style="list-style-type: none"> • Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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. 		
Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	<p>Dig out completely composted material made from animal dung, urine, litter and farm waste.</p> 
Summer Groundnut	Pod formation/development 	<p>Prodenia</p> <p>Red Mite</p> 	<p>Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water.</p> <p>Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised.</p> <p>Apply light irrigation at flowering and pod formation stages.</p>
Summer Sesame	Flowering & capsule formation-development	<p>White fly/ Leaf Webber</p> <p>Phytophthora blight</p>	<p>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.</p> <p>To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.</p>
Green gram & Black gram	Flowering & pod formation	White flies & heliothis	<p>Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water for whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 10 lit of water.</p>
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</p>

			<p>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>
Lady finger	Flowering/fruiting	White flies & mites	<p>Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra.</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. Due to prevailing high temperature, light irrigation at short interval is advised.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	<p>White flies/</p> <p>Mites</p> <p>Downy mildew</p>	<p>In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous .</p> <p>For the control of downy mildew spray mencozeb 40g/pump.</p> <p>Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.</p>
Brinjal	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 irrigation as per need.
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>To prevent cracking of fruits apply irrigation in time at regular interval.</p>
Livestock & poultry 	<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.



GraminKrushiMausamSeva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell :9426938235



Agro met Advisory Service bulletin No.-11 for the Devbhumi Dwarka district

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

(Period 06 to 10-May - 2020)

Weather forecast until 08-30 hrs. of 10/05/2020




(4) DEVBHUMI DWARKA DISTRICT:



	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	32	32	32	32	32
Min. Temp.(°C)	27	27	26	26	26
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 30-32°C and 27-27°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.**
- **Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.**
- **Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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.**
 - **Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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.			
Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	Dig out completely composted material made from animal dung, urine, litter and farm waste. 
Summer Groundnut	Pod formation/deve lopment 	Prodenia Red Mite 	Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water. Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised. Apply light irrigation at flowering and pod formation stages.
Summer Sesame	Flowering & capsule formation- development	White fly/ Leaf Webber Phytophthora blight	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	Flowering & pod formation	White flies & heliothis	Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water for whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 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.

Lady finger	Flowering/fruiting	White flies & mites	<p>Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra.</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. Due to prevailing high temperature, light irrigation at short interval is advised.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	<p>White flies/ Mites Downy mildew</p>	<p>In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous .</p> <p>For the control of downy mildew spray mencozeb 40g/pump.</p> <p>Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.</p>
Brinjal	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 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>To prevent cracking of fruits apply irrigation in time at regular interval.</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.



GraminKrushiMausamSeva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell :9426938235



Agro met Advisory Service bulletin No.-11 for the Amreli district

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

(Period 06 to 10-May - 2020)




Weather forecast until 08-30 hrs. of 10/05/2020



(5) AMRELI DISTRICT:




	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	43	43	43	43
Min.Temp.(°C)	27	26	26	27	27
Total CC (octa)	0	0	0	0	0
RH-I (%)	81	85	86	78	81
RH-II (%)	40	36	37	35	30
Wind Speed (kmph)	11	13	9	11	11
Wind Direction(deg.)	280	272	271	292	292

Agro meteorological Advisories:

General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and clear weather forecasted next five days.• Temperature: Maximum and minimum temperature likely to be in range of 42-43°C and 26-27°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 78-86% & 30-40, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W and 9-13 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.• Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.• Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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
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	<p>or in the evening hours.</p> <ul style="list-style-type: none"> • Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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. 		
Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	<p>Dig out completely composted material made from animal dung, urine, litter and farm waste.</p> 
Summer Groundnut	Pod formation/development 	<p>Prodenia</p> <p>Red Mite</p> 	<p>Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water.</p> <p>Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised.</p> <p>Apply light irrigation at flowering and pod formation stages.</p>
Summer Sesame	Flowering & capsule formation-development	<p>White fly/ Leaf Webber</p> <p>Phytophthora blight</p>	<p>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.</p> <p>To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.</p>
Green gram & Black gram	Flowering & pod formation	White flies & heliothis	<p>Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water for whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 10 lit of water.</p>
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</p>

			<p>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>
Lady finger	Flowering/fruiting	White flies & mites	<p>Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra.</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. Due to prevailing high temperature, light irrigation at short interval is advised.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	<p>White flies/</p> <p>Mites</p> <p>Downy mildew</p>	<p>In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous .</p> <p>For the control of downy mildew spray mencozeb 40g/pump.</p> <p>Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.</p>
Brinjal	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 irrigation as per need.
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>To prevent cracking of fruits apply irrigation in time at regular interval.</p>
Livestock & poultry 	<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.



GraminKrushiMausamSeva
Main Dry Farming Research Station
Junagadh Agricultural University
Targhadia (Rajkot) - 360 003
Phone: (0281)2784260(O), 2331686(R)
Fax : (0281)2784722, Cell:9426938235



Agro met Advisory Service bulletin No.-11 for the Surendranagar district

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

(Period 06 to 10-May - 2020)

Weather forecast until 08-30 hrs of 10/05/2020




(6) SURENDRANAGAR DISTRICT:



	06/05/20	07/05/20	08/05/20	09/05/20	10/05/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	42	43	43	43
Min.Temp.(°C)	28	28	28	28	28
Total CC (octa)	0	0	0	0	0
RH-I (%)	75	81	81	77	80
RH-II (%)	31	26	26	28	24
Wind Speed (kmph)	19	18	17	16	15
Wind Direction(deg.)	265	254	259	269	270




Agro meteorological advisories:

General Advice

- **Rain fall: Dry, hot and clear weather forecasted next five days.**
- **Temperature:** Maximum and minimum temperature likely to be in range of 41-43°C and 28-28°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 77-81% & 24-31, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be W and 15-19 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.**
- **Keep social distancing of 5-6 feet in selling of agricultural produces in Marketing yard and also during buying of agricultural inputs.**
- **Weather outlook for subsequent week: Dry, hot and clear weather very likely to observe during 7-10 May-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**

	<p>or in the evening hours.</p> <ul style="list-style-type: none"> • Under hot weather a. Avoid heat exposure. b. Wear light weight, light coloured, loose cotton clothes. c. Cover your head. d. Keep the animal under tree shade or shed during noon 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. 		
Crops	Stage	Insect/Pest/ Variety	Advisory
Farm compost/ FYM	Turning of well rotted compost & FYM	-	<p>Dig out completely composted material made from animal dung, urine, litter and farm waste.</p> 
Summer Groundnut	Pod formation/development 	<p>Prodenia</p> <p>Red Mite</p> 	<p>Under present weather condition heliothis infestation observed in groundnut, if infestation found above ETL then spray Emamectin benzoate 5 % SG @ 7 gm/10 litre of water.</p> <p>Due to hot weather monitor the crop against the attack of mite in groundnut is advised. If population is found more than spraying of Ethion @ 1.5-2 ml or Propargite 57 % EC @ 10 ml /litre of water is advised.</p> <p>Apply light irrigation at flowering and pod formation stages.</p>
Summer Sesame	Flowering & capsule formation-development	<p>White fly/ Leaf Webber</p> <p>Phytophthora blight</p>	<p>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.</p> <p>To prevent Phytophthora blight and wilt do not over irrigate sesame, apply light irrigation as per need only.</p>
Green gram & Black gram	Flowering & pod formation	White flies & heliothis	<p>Under present weather condition infestation of heliothis and whiteflies were observed in summer sown green gram & black gram. To control of heliothis spray spinosad 3 ml/10lit of water for whiteflies spray acetamiprid 20 % SP@ 5.0 gm and 500 ml of 5 % neem seed extract or neem seed oil 50 ml / 10 lit of water.</p>
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</p>

			<p>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>
Lady finger	Flowering/fruiting	White flies & mites	<p>Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control in okra.</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. Due to prevailing high temperature, light irrigation at short interval is advised.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	<p>White flies/</p> <p>Mites</p> <p>Downy mildew</p>	<p>In all vegetable crops whitefly infestation observed above ETL. Spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm or imidacloprid 30.5 SC 3 ml/10 lit of water for whiteflies control.</p> <p>If population is found more, then spraying of Ethion @ 1.5-2 ml/litre of water for the control of Mites in cucurbitaceous .</p> <p>For the control of downy mildew spray mencozeb 40g/pump.</p> <p>Optimum moisture level should be maintained in cucurbitaceous crops by light and frequent irrigation as dry conditions may lead to poor pollination and thus drop in yield of the crop.</p>
Brinjal	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 irrigation as per need.
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>To prevent cracking of fruits apply irrigation in time at regular interval.</p>
Livestock & poultry 	<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.