



ગ્રામીણ કૃષિ મૌસમ સેવા
હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન
ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ
તા.૧૩-૦૪-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦



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

કૃષિ હવામાન બુલેટીન નં.૧૩/૨૦૨૦

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

હવામાન પરિબલો	
વરસાદ(મી.મી)	0.0
મહત્તમ તાપમાન(સે.ગ્રે)	41.0-43.1
લઘુતમ તાપમાન(સે.ગ્રે)	20.2-25.1
ભેજ (%)સવાર	78-86
ભેજ (%)બપોરબાદ	19-29
પવનની ગતિ(કિમી/કલાક)	8.6-9.6

હવામાન આગાહી :પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૧૩-૦૫-૨૦૨૦ થી ૧૭-૦૫-૨૦૨૦

કૃષિ સલાહ :

સામાન્ય	<p>➤ ભારત સરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણકૃષિ મૌસમ સેવા વિભાગ, જુનાગઢ કૃષિ યુનિવર્સિટી, તરઘડિયા તરફથી જણાવવામાં આવે છે કે, ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના</p> <p>રાજકોટ :જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦ દરમિયાન હવામાન સૂકું, ગરમ અને યોખ્ખું રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમિયાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.</p>					
તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫	
પેરામીટર	૧૩-૦૫-૨૦	૧૪-૦૫-૨૦	૧૫-૦૫-૨૦	૧૬-૦૫-૨૦	૧૭-૦૫-૨૦	
વરસાદ(મી.મી.)	0	0	0	0	0	
મહત્તમતાપમાન(સે.ગ્રે)	42	42	41	41	42	
લઘુતમતાપમાન(સે.ગ્રે)	26	26	26	25	25	
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0	
મહત્તમભેજ (%)સવાર	84	84	83	85	83	
લઘુતમભેજ (%) બપોરબાદ	32	27	31	36	32	

પવનનીગતિ(કિમી/કલાક)	13	12	15	16	18
પવનનીદિશા(ડીગ્રી)	267	266	279	286	275

મોરબી : જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહેશે. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૬ થી ૧૬ કીમી/કલાક રહેવાની શક્યતા છે . આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૩-૦૫-૨૦	૧૪-૦૫-૨૦	૧૫-૦૫-૨૦	૧૬-૦૫-૨૦	૧૭-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	42	42	41	41	42
લઘુત્તમતાપમાન(સે.ગ્રે)	26	26	26	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	1	1	1	0
મહત્તમભેજ (%)સવાર	44	45	38	45	49
લઘુત્તમભેજ (%) બપોરબાદ	16	15	16	16	15
પવનનીગતિ(કિમી/કલાક)	10	6	16	14	13
પવનનીદિશા(ડીગ્રી)	297	264	312	304	299

જામનગર: જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૯-૪૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૩-૦૫-૨૦	૧૪-૦૫-૨૦	૧૫-૦૫-૨૦	૧૬-૦૫-૨૦	૧૭-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	40	41	39	39	39
લઘુત્તમતાપમાન(સે.ગ્રે)	26	26	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહત્તમભેજ (%)સવાર	87	86	85	86	84
લઘુત્તમભેજ (%) બપોરબાદ	50	48	52	56	53
પવનનીગતિ(કિમી/કલાક)	12	13	16	17	19
પવનનીદિશા(ડીગ્રી)	254	257	265	284	276

દેવભૂમિ દ્વારકા : જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૧૯ થી તા.૧૭-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ રહેશે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૫-૩૬ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૪-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ પેરામીટર	દિવસ-૧ ૧૩-૦૫-૨૦	દિવસ-૨ ૧૪-૦૫-૨૦	દિવસ-૩ ૧૫-૦૫-૨૦	દિવસ-૪ ૧૬-૦૫-૨૦	દિવસ-૫ ૧૭-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	36	35	35	35	35
લઘુત્તમતાપમાન(સે.ગ્રે)	25	25	25	24	25
વાદળનીસ્થિતિ(ઓકટા)					
મહત્તમભેજ (%)સવાર					
લઘુત્તમભેજ (%) બપોરબાદ					
પવનનીગતિ(કિમી/કલાક)					
પવનનીદિશા(ડીગ્રી)					

અમરેલી : જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને ચોખ્ખું રહેશે. તા. ૧૬ ના રોજ હવામાન વાદળછાયું અને હળવા વરસાદી છાંટા થવાની શક્યતા છે. પવનની દિશા વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૧૬ કીમી/કલાક રહેની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ પેરામીટર	દિવસ-૧ ૧૩-૦૫-૨૦	દિવસ-૨ ૧૪-૦૫-૨૦	દિવસ-૩ ૧૫-૦૫-૨૦	દિવસ-૪ ૧૬-૦૫-૨૦	દિવસ-૫ ૧૭-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	9	0
મહત્તમતાપમાન(સે.ગ્રે)	42	42	41	41	41
લઘુત્તમતાપમાન(સે.ગ્રે)	27	26	26	26	25
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	6	0
મહત્તમભેજ (%)સવાર	78	79	79	83	79
લઘુત્તમભેજ (%) બપોરબાદ	35	31	34	37	37
પવનનીગતિ(કિમી/કલાક)	10	11	12	14	16
પવનનીદિશા(ડીગ્રી)	299	296	294	303	297


સુરેન્દ્રનગર : જીલ્લામાં આગામી તા.૧૩-૦૫-૨૦૨૦ થી તા.૧૭-૦૫-૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને ચોખ્ખું રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૫ થી ૨૧ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૬-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.


તારીખ પેરામીટર	દિવસ-૧ ૧૩-૦૫-૨૦	દિવસ-૨ ૧૪-૦૫-૨૦	દિવસ-૩ ૧૫-૦૫-૨૦	દિવસ-૪ ૧૬-૦૫-૨૦	દિવસ-૫ ૧૭-૦૫-૨૦
વરસાદ(મી.મી.)	0	0	0	0	0
મહત્તમતાપમાન(સે.ગ્રે)	42	42	41	41	42
લઘુત્તમતાપમાન(સે.ગ્રે)	27	27	27	26	26
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0


મહત્તમભેજ (%)સવાર	77	75	76	79	76
લઘુત્તમભેજ (%) બપોરબાદ	29	25	28	33	28
પવનનીગતિ(કિમી/કલાક)	16	15	17	19	21
પવનનીદિશા(ડીગ્રી)	269	272	284	284	276

- ૧૩ થી ૧૭-મે -૨૦૨૦ દરમ્યાન હવામાન સુકું, ગરમ અને યોખ્ખું રહેશે. અમરેલી જીલ્લામાં તા. ૧૬ ના રોજ હવામાન વાદળછાયું અને હળવા વરસાદી છાંટા થવાની શક્યતા છે. પવનની દિશા પશ્ચિમની મોટાભાગે રહેવાની અને પવનની ઝડપ ૬ થી ૨૧ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૫-૪૨ 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.
- 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. ૧૮ થી ૨૧ 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.
- હવામાન વિભાગની આગાહી મુજબ આગામી ચોમાસામાં લાંબા ગાળાની સરેરાશનો ૯૬-૧૦૪ ટકા વરસાદ થવાની શક્યતા હોય તે મુજબ ચોમાસું પાકોના વાવેતરનું આયોજન કરવું.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	ફૂંચિ સલાહ (૧૦ લીટરપાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
ખાતરની ખાસ	પાકું ખાતર પલટાવવું	-	પશુઓના મળમૂત્ર અને ખેત કચરામાંથી પૂર્ણ સદી ગયેલ ખાતરને ખાંધાંથી બહાર કાઢવું.

			
ઉનાળુ મગફળી	ડોડવામાં દાણા ભરાવા	-	<ul style="list-style-type: none"> ડોડવામાં દાણા ભરાવાની અવસ્થાએ મગફળીને હળવું પિયત આપવું.
ઉનાળુ તલ	બેઢાંમાં દાણા ભરાવવા અને દેહધાર્મિક પરિપક્વ અવસ્થા	-	<ul style="list-style-type: none"> પરિપક્વ અવસ્થાએ સમયસર કાપણી કરવી.
ઉનાળુ મગ અને અડદ	શીંગમાં દાણા ભરાવવા અને દેહધાર્મિક પરિપક્વ અવસ્થા	-	પરિપક્વ અવસ્થાએ સમયસર કાપણી કરવી.
સરગવો	ફૂલ/શીંગ	ફૂલ અને પાન ખાનાર ઇયળ	<p>સરગવામાં ફૂલ અને પાન ખાનાર ઇયળના 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 પિજર મુકવા.</p> <p>વધુ ઉપદ્રવ હોય તો મેલાથીયોન ૫૦ ઇસી ૨૦ મિલી/ ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
ભીંડા	ફૂલ/ફળ	પાન કથીરી	<p>ગરમ હવામાનના કારણે ભીંડામાં જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ છંટકાવ કરવો.</p> <p>ગરમ હવામાનને કારણે ભીંડામાં સવાર અથવા સાંજના સમયે ટૂંકા અંતરે ફાળવું પિયત આપવું.</p> <p>ભીંડામાં શીન્ગોની વીણી કર્યા બાદ ૧૫-૨૦ કી.ગ્રા. યુરિઆ ખાતર પ્રતિ હેક્ટર આપવું.</p>

<p>તુરીયા, દૂધી, ગલકા, કારેલા, ગુવાર, કાકડી, તરબુચ</p>	<p>ફૂલ/ફળ</p>	<p>શ્રીપ્સ/ સફેદ માખી કથીરી તળછારો</p>	<p>ઉનાળુ શાકભાજીમાં સફેદમાખીના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. જો પાન કથીરીનો ઉપદ્રવ હોય તો ઇથીઓન ૩૦ મિલી પ્રતિ પંપ 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.</p>
<p>રીંગણી</p>	<p>ફૂલ/ફળ</p>	<p>સફેદ માખી ડુંબ અને → ફળ કોરી ખાનાર ઈયળ પાન કથીરી</p>	<p>➤ 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 ક્લોરાનટ્રાનીલીપ્રોલ ૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી ૭૬ ઈસી ૫ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. ➤ રીંગણામાં જો પાનકથીરીનો ઉપદ્રવ હોય તો પ્રોપરગાઈટ ૫૭ ઈ.સી. ૧૫ મિલી પ્રતિ પંપ છંટકાવ કરવો.</p>
<p>મરચી</p>	<p>વૃદ્ધિ/ફૂલ/ફળ</p>	<p>શ્રીપ્સ</p>	<p>➤ માર્ચમાં શ્રીપ્સના નિયંત્રણ માટે 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 છાંટવી.</p>
<p>લીબુ</p>	<p>ફળનો વિકાસ</p>	<p>પાન કથીરી </p>	<p>ઊંચા તાપમાનને કારણે લીબુના બગીયામાં પાન કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો. લીબુના બગીયાને નિયત અંતરે સમયસર પિયત આપવું જેથી ફળ ફાટે નહિ.</p>
<p>આંબો</p>	<p>ફળનો વિકાસ</p>	<p>ફળમાખી</p>	<p>કેરી લખોટી જેવડા કદની થાય ત્યારે ૨ ગ્રામ નેપ્થેલીન એસેટીક એસીડ અને ૨ કી.ગ્રા. યુરીયાને ૧૦૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો જેથી કેરીનું ખરણ ઓછું થાય. આંબામાં ફળમાખીના નિયંત્રણ માટે ફેન્થીઓન ૧૦ મિલી અથવા ડીડીવીપી ૪ મિલી અને મીથાયલયુજીનોલ ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>

<p>પશુ/ મરઘા</p> 	<p>તાપમાન વધારે રહેવાના કારણે ઢોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ચર યુક્ત પીવાના સ્વચ્છ પાણીની વ્યવસ્થા કરાવી. દુધાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ કરવો. ખોરાકમાં લીલા ચારનું પ્રમાણ વધારવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પાવડરથી બરાબર સાફ કરવું. પશુઓમાં ગળસુંઢો અને ગાંઠીયા તાવના રોગના નિયંત્રણ માટે રસીકરણ કરાવવું. ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાઝ ૨ મી.લી. ૧ લીટર પાણીમાં નાખીને છાંટવી. વિટામીન એ તથા ડી પુરકો આપવા. કરમિયાની દવા આપવી.</p>
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જુફ્યુ/ટેકનિકલ ઓફિસર).સુખે/(એગ્રોમેટ/બુલેટીન / / ૨૦૨૦
તરઘડિયા(રાજકોટ), તારીખ:૧૨/૦૫/૨૦૨૦.

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 નિવર્સિટી
તરઘડીયા



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.13 -for the Rajkot district

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

(Period 13 to 17-May - 2020)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	41.0-43.1
Minimum temperature (°C)	20.2-25.1
Relative Humidity (%) I	78-86
Relative Humidity (%) II	19-29
Wind speed (Kmph)	8.6-9.6


Weather forecast until 08-30 hrs. of 17/05/2020



(1) RAJKOT DISTRICT:




	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	42	41	41	42
Min.Temp.(°C)	26	26	26	25	25
Total CC (octa)	0	0	0	0	0
RH-I (%)	84	84	83	85	83
RH-II (%)	32	27	31	36	32
Wind Speed (kmph)	13	12	15	16	18
Wind Direction(deg.)	267	266	279	286	275

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 41-42°C and 25-26°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 83-85% & 27-36, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W and 12-18 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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	<p>agricultural operation in all crops.</p> <ul style="list-style-type: none"> • 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 18-21 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. • As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kharif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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>

Lady finger	Flowering/fruiting	Mites	<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.</p> <p>Due to prevailing high temperature, light irrigation at short interval is advised.</p> <p>After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.</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 to increase pollination and thus increase 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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of miteis found aboe ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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.



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 :9426938235



Agro met Advisory Service bulletin No.-13 for the Morbi district

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

(Period 13 to 17-May - 2020)


Weather forecast until 08-30 hrs. of 17/05/2020





(2) MORBI DISTRICT:


	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	42	42	41	41	42
Min. Temp.(°C)	26	26	26	25	25
Total CC (octa)	0	1	1	1	0
RH-I (%)	44	45	38	45	49
RH-II (%)	16	15	16	16	15
Wind Speed (kmph)	10	6	16	14	13
Wind Direction(deg.)	297	264	312	304	299

Agro meteorological Advisories:-

General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and Mainly clear to clear weather forecasted next five days• Temperature: Maximum and minimum temperature likely to be in range of 41-42°C and 25-26°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 38-49% & 15-16, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be NW, W and 6-16 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 18-21 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. • As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kharif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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	Mites	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. After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.

Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	White flies/ Mites Downy mildew	<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 to increase pollination and thus increase 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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of miteis found aboe ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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>
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</p>

			regular interval.
<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.



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 :9426938235



Agro met Advisory Service bulletin No.-13 for the Jamnagar district

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

(Period 13 to 17-May - 2020)


Weather forecast until 08-30 hrs. of 17/05/2020





(3) JAMNAGAR DISTRICT:


	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	40	41	39	39	39
Min. Temp.(°C)	26	26	25	25	25
Total CC (octa)	0	0	0	0	0
RH-I (%)	87	86	85	86	84
RH-II (%)	50	48	52	56	53
Wind Speed (kmph)	12	13	16	17	19
Wind Direction(deg.)	254	257	265	284	276

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 39-41°C and 25-26°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 84-87% & 48-56, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be W and 12-19 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 18-21 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. • As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kharif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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>
Lady finger	Flowering/fruiting	Mites	<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.</p> <p>Due to prevailing high temperature, light irrigation at short interval is advised.</p> <p>After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.</p>

Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	White flies/ Mites Downy mildew	<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 to increase pollination and thus increase 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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of miteis found aboe ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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>
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</p>

			regular interval.
<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.



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 :9426938235



Agro met Advisory Service bulletin No.-13 for the Devbhumi Dwarka district

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

(Period 13 to 17-May - 2020)

Weather forecast until 08-30 hrs. of 17/05/2020


(4) DEVBHUMI DWARKA DISTRICT:






	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	36	35	35	35	35
Min. Temp.(°C)	25	25	25	24	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 35-36°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.**
- **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 18-21 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**

	<p>pupating stages of insects, fungus, bacteria and weed seeds are destroyed.</p> <ul style="list-style-type: none"> As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kharif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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>
Lady finger	Flowering/fruiting	Mites	<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.</p> <p>Due to prevailing high temperature, light irrigation at short interval is advised.</p> <p>After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.</p>
Ridge gourd, Bottle gourd, Sponge guard, Bitter	Flowering & fruiting	White flies/ Mites	<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</p>

<p>gourd, Cluster bean, Water melon</p>		<p>Downy mildew</p>	<p>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 to increase pollination and thus increase yield of the crop.</p>
<p>Brinjal</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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of mites found above ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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 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</p>		

	deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin or Amitral 2 ml/liter of water.
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Technical Officer, GKMS Unit, DFRS, JAU, Targhadia.



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 :9426938235



Agro met Advisory Service bulletin No.-13 for the Amreli district

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

(Period 13 to 17-May - 2020)


Weather forecast until 08-30 hrs. of 17/05/2020





(5) AMRELI DISTRICT:


	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	9	0
Max.Temp.(°C)	42	42	41	41	41
Min.Temp.(°C)	27	26	26	26	25
Total CC (octa)	0	0	0	6	0
RH-I (%)	78	79	79	83	79
RH-II (%)	35	31	34	37	37
Wind Speed (kmph)	10	11	12	14	16
Wind Direction(deg.)	299	296	294	303	297

Agro meteorological Advisories:

General Advice	<ul style="list-style-type: none">• Rain fall: Dry, hot and clear weather forecasted next five days except on 16.05.2020 Generally cloudy and light rainfall weather forecasted.• Temperature: Maximum and minimum temperature likely to be in range of 41-42°C and 25-27°C, respectively.• Relative Humidity: The RH-I and RH-II is likely to be in the range of 78-83% & 31-37, respectively.• Wind Direction and Speed: Direction and speed of wind is likely to be NW and 10-16 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 18-21 May-2020.• Due to prevailing dry and hot weather conditions, farmers are advised for light
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	<p>irrigation in all vegetable crops. Irrigation should be done in the morning hours 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. As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kahrif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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>
Lady finger	Flowering/fruiting	Mites	<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.</p> <p>Due to prevailing high temperature, light irrigation at short interval is advised.</p> <p>After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.</p>

Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	White flies/ Mites Downy mildew	<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 to increase pollination and thus increase 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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of miteis found aboe ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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>
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</p>

			regular interval.
<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.



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:9426938235



Agro met Advisory Service bulletin No.-13 for the Surendranagar district

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

(Period 13 to 17-May - 2020)

Weather forecast until 08-30 hrs of 17/05/2020


(6) SURENDRANAGAR DISTRICT:





	13/05/20	14/05/20	15/05/20	16/05/20	17/05/20
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	42	41	41	42
Min.Temp.(°C)	27	27	27	26	26
Total CC (octa)	0	0	0	0	0
RH-I (%)	77	75	76	79	76
RH-II (%)	29	25	28	33	28
Wind Speed (kmph)	16	15	17	19	21
Wind Direction(deg.)	269	272	284	284	276


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 41-42°C and 26-27°C, respectively.
- **Relative Humidity:** The RH-I and RH-II is likely to be in the range of 75-79% & 25-33, respectively.
- **Wind Direction and Speed:** Direction and speed of wind is likely to be W and 15-21 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 18-21 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. • As per 1st stage forecast of IMD in Southwest monsoon seasonal (June to September-2020) rainfall over the country as a whole is likely to be normal (96-104%). So plan accordingly for kharif sowing. 		
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 development	-	Apply light irrigation at pod development stage.
Summer Sesame	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
Green gram, Black Gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.
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>
Lady finger	Flowering/fruiting	Mites	<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.</p> <p>Due to prevailing high temperature, light irrigation at short interval is advised.</p> <p>After harvesting of mature okra, urea should be applied @ 15-20 kg/ha.</p>

Ridge gourd, Bottle gourd, Sponge guard, Bitter gourd, Cluster bean, Water melon	Flowering & fruiting	White flies/ Mites Downy mildew	<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 to increase pollination and thus increase 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. To control shoot and fruit borer in brinjal and tomato crops, infested fruits and shoots should be collected and buried inside the soil. 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 of miteis found aboe ETL in brinjal, then make spraying of Propargite 57 % EC @ 10 ml/ 10 litre 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>
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</p>

			regular interval.
<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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