

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉતર સૌરાષ્ટ્રખેત આબોહવાકીયવિભાગ



તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૬-૨૦૧૬

(ગ્રામીણ કૃષિ મૌસમસેવા, સૂકી ખેતી સંશોધન કેન્દ્ર,જુ.કૂ.યુ.,તરઘડિયા અને ભારત મૌસમ વિભાગ દ્રારાસંપન્ન)

કૃષિહવામાન બુલેટીન નં. <mark>૨૧/૨૦૧૬</mark> પાછલા અઠવાડીયાનં રાજકોટનં હવામાન

હવામાન પરિબળો			
વરસાદ(મી.મી.)	0.00-0.00		
મહૃતમ તાપમાન (સે.ગ્રે)	41.5-43.5		
લઘુતમ તાપમાન (સે.ગ્રે)	26.0-27.5		
ભેજ(%) સવાર	79-92		
ભેજ(%) બપોરબાદ	27-38		
પવનની ગતિ (કિમી/કલાક)	11.4-14.8		

હવામાન આગાહી: પત્રક-ક

ઉતર સૌરાષ્ટ્રખેત આબોઠવાકીય વિભાગ-ઠવામાન આગાઠી

તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૬-૨૦૧૬

કૃષિ સલાહ:

સામાન્ય

ભારત સરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણ કૃષિ મૌસમ સેવા વિભાગ,જુનાગઢ કૃષિ યુનિવર્સીટી, તરઘડીયા તરફથી જણાવવામાં આવે છે કે, ઉતર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના

રાજકોટ: જીલ્લામાં આગામી તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૬-૨૦૧૬ દરમ્યાન ફવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રફેવાની અને પવનની ઝડપ ૨૭ થી ૩૪ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૮-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન ૨૯-૨૯ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	99-09-99	92-05-95	93-09-99	१४-०५-१५	૧૫- 05- ૧ ૬
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	40	39	39	38	38
લઘુતમ તાપમાન (સે.ગ્રે)	29	29	29	29	29
વાદળની સ્થિતિ(ઓકટા)	1	2	2	3	4
મહતમ ભેજ (%) સવાર	79	78	78	77	76

લઘુતમ ભેજ (%) બપોરબાદ	52	54	54	53	59
પવનની ગતિ (કિમી/કલાક)	30	27	27	29	34
પવનની દિશા (ડીગ્રી)	237	245	248	245	244

જામનગર: જીલ્લામાં આગામી તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૬-૨૦૧૬ દરમ્યાન ફ્વામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રફેવાની અને પવનની ઝડપ 30 થી 35 કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન 3૮-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૯-૨૯ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	99-05-95	92-05-95	93-09-99	98-05-95	૧૫- 05- ૧ 5
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	40	39	39	38	38
લઘુતમ તાપમાન (સે.ગ્રે)	29	29	29	29	29
વાદળની સ્થિતિ(ઓકટા)	1	2	1	2	4
મહતમ ભેજ (%) સવાર	82	81	80	79	78
લઘુતમ ભેજ (%) બપોરબાદ	61	62	62	60	66
પવનની ગતિ (કિમી/કલાક)	35	30	31	32	36
પવનની દિશા (ડીગ્રી)	237	244	248	246	242

અમરેલી: જીલ્લામાં આગામી તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૮-૨૦૧૬ દરમ્યાન ફવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રફેવાની અને પવનની ઝડપ ૨૪-૩૧ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૭-૪૦ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૮-૨૯</mark> ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	99-05-95	92-05-95	93-05-95	98-05-95	१५-०५-१५
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	40	39	38	37	37
લધુતમ તાપમાન (સે.ગ્રે)	29	29	29	28	28
વાદળની સ્થિતિ(ઓકટા)	1	1	2	3	4
મહતમ ભેજ (%) સવાર	78	76	76	75	75
લઘુતમ ભેજ (%) બપોરબાદ	51	52	52	52	57
પવનની ગતિ (કિમી/કલાક)	27	24	25	26	31
પવનની દિશા (ડીગ્રી)	238	246	249	246	245

સુરેન્દ્રનગરઃ જીલ્લામાં આગામી તા.૧૧-૦૬-૨૦૧૬ થી તા.૧૫-૦૬-૨૦૧૬ દરમ્યાન હવામાન સૂકું, ગરમ અને અંશતઃ વાદળછાયું રહેશે. પવનની દિશા નૈઋત્યની અને પવનની ઝડપ <mark>૨૮ થી ૩૪ કીમી/કલાક</mark> રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન <mark>૩૯-૪૧</mark> ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૯-૩૦</mark> ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-ર	દિવસ-3	દિવસ-૪	દિવસ-પ
પેરામીટર	99-09-99	98-99-99	93-09-99	१४-०५-१५	૧૫- ૦૬-૧૬
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	41	41	40	39	39
લઘુતમ તાપમાન (સે.ગ્રે)	30	30	29	29	29
વાદળની સ્થિતિ(ઓકટા)	1	2	1	2	4
મહ્તમ ભેજ (%) સવાર	73	72	71	70	69
લધુતમ ભેજ (%) બપોરબાદ	39	41	41	42	46
પવનની ગતિ (કિમી/કલાક)	30	28	28	29	34
પવનની દિશા (ડીગ્રી)	235	240	245	245	241

૧૫ જુન સુધી હ્વામાન સુકું, ગરમ અને અંશત: વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને નૈઋત્યની રહેવાની અને પવનની ઝડપ ૨૪ થી ૩૬ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૭-૪૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૩૦ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તેમજ જમીનની પ્રત અને પિયત પાણીની લભ્યતા અને ગુણવતા ધ્યાને લઇ યોમાસું પાકોની વાવેતર માટે પસંદગી કરવી અને જે તે પાકનું સારી ગુણવતાવાળું પ્રમાણિત બિયારણ સમયસર મેળવી લેવું.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
મગફળી	આગોતરું વાવેતર વરસાદ આધારીત	જીજ-૨૨, જીજી-૨૦, જીજી-૧૧ અર્ધ વેલડી જીજી-૨૦, જીજી-૨૨ ઉભડી –જીજી-૨, ટીએજી- ૨૪, ટીએલજી-૪૫, ટીપીજી-૪૧, તીજી-૩૭-એ	ચોમાસું મગફળીનાં આગોતરા વાવેતર માટે જમીનની તૈયારી કરાવી અને સેન્દ્રિય ખાતર ઉમેરવું. વાવેતર સમયે સિંગલ સુપર ફોસ્ફ્રેટ ૧૫૬ કી.ગ્રા./હે., એમોનીયમ સલ્ફ્રેટ ૬૨ કી.ગ્રા./હે., અને એરંડીનો ખોળ ૫૦૦ કી.ગ્રા./હે. અથવા ડી.એ.પી. ૫૪ કી.ગ્રા. અને જીપ્સમ ૫૦૦ કી.ગ્રા./હે. સાથે એરંડીનો ખોળ ૫૦૦ કી.ગ્રા./હે. યાયામાં આપવો. તેમજ ૨.૫ કી.ગ્રા./હે ટ્રાયકોડમાં ક્રૂગનો પાઉડર ૫૦૦ કી.ગ્રા./હે એરંડીનાં ખોળ સાથે મિશ્ર કરી પાયામાં વાવણી સમયે આપવો. વાવતી વખતે બિયારણને થાયરમ અથવા મેન્કોઝેબ અથવા વાયટાવેક્ષ દવાનો ૨-૩ ગ્રામ/કી. બીજને પટ આપવો.

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કપાસ	-		ણિત જાતો જેવી કે વહેલી પાકતી જતો : ગુજરાત શંકર-
			રજુ, સુરક્ષા, બળવાન, ભક્તિ, ભદ્રા, ફર્સ્ટ ક્લાસ
			: ગુજરાત શંકર-૬, એગ્રીટોપ-૪૪૪, એગ્રીટોપ-૭૭૭ ,
		સોલાર-૭૬, મલ્લિકા	
તલ	પાક અને	ગુજરાત તલ- ૨, ગુજરાત	તલ- 3
	જાતની પસંદગી		
બાજરી	પાક અને		૫૩૮, જીએયબી-૫૭૭, જીએયબી-૭૧૯, જીએયબી-
	જાતની પસંદગી	૭૩૨ અને જીએચબી-૭૪૪	
કઠોળ -	પાક અને	•	ાગની ગુજરાત મગ-૪ , કે-૮૫૧, અડદની ,ગુજરાત
પાકો	જાતની	અડદ –૧,	
	પસંદગી	ચોળા માટે – ગુજરાત ચો	
		•	ગુજરાત તુવેર –૧૦૦, ગુજરાત તુવેર હાઈબ્રીડ-૧,
0:			રી ગુણવતાનું પ્રમાણિત બીજ સમયસર મેળવી લેવું.
ભીંડા	વૃધ્ધિ/કુલ/	થ્રીપ્સ,સફેદ માખી	> તેના નીયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ
	શીંગ		ગ્રામ અને લીંબોળીનું તેલ ૫૦ મિલી અથવા
			લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦
			મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ
			કરવો.
તુરીયા,	વૃધ્ધિ/ફુલ	પાન કોરીયું , થ્રીપ્સ, સફેદ	> લીંબોળીનો અર્ક ૫૦૦ મિલી અથવા લીંબોળીનું
દુધી,		માખી	તેલ ૫૦ મીલીનો છંટકાવ ૧૫ દિવસના અંતરે
ગલકા			યાર વખત કરવો. વધુ ઉપદ્રવ હોય તો
અને			એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ / ૧૦ લીટર
કારેલા			પાણીમા મિશ્ર કરી છંટકાવ કરવો.
ગામળા		તલછારો	> મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭
			ગ્રામ અથવા ફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના
			અંતરે ત્રણ છંટકાવ કરવા.
	_		
ગુવાર	વૃધ્ધિ/કુલ/	થ્રીપ્સ,સફેદ માખી	> તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ
			ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા

	શીંગ		داانیارها با ماانمچنا با مورا میرفان با مارو
	શાગ		લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦
			મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ
			કરવો.
તરબુચ	વૃધ્ધિ/કુલ	થ્રીપ્સ, સફેદ માખી	> તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ
	· ·		ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા
			લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦
			મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ
			કરવો.
રીંગણી	કુલ/ફળ	થ્રીપ્સ, સફેદ માખી,	> લીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળીના
અને		ફળ અને ડોકા કોરી ખાનાર	મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી ૧૦ લીટર
ટમેટી		ઈયળ	પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ
			હ્યેય તો એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર
			પાણીમાં મિશ્ર કરી છંટકાવ કરવો. રીંગણી અને
			ટમેટીમાં ફળ અને ડોકા કોરી ખાનાર ઈયળનો
			ઉપદ્રવ વધુ હોય તો સ્પીનોસાડ ૩ મિલી /૧૦
			લીટર પાણીમાં ઓગાળી છંટકાવ કરવો.
મરચી	કુલ/ફળ	થ્રીપ્સ	 પ્રોફેનોફોસ ૨૦ મીલી અને લીંબોળીનું તેલ ૫૦
	3-4 4.1		મિલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું
		Sec. 1	
			દ્રાવણ ૫૦૦ મિલી ૧૦ લી. પાણીમાં મિશ્ર કર <u>ી</u>
			છંટકાવ કરવો.
			MAKEN ET ALTON TO AND AN APPENDING AND APPENDING APPENDING AND APPENDING AND APPENDING APPENDING AND APPENDING APPEN
કાકડી	વૃધ્ધિ/ફુલ/ફળ	થ્રીપ્સ,સફેદ માખી	🕨 તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ
			ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા
			લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦
			મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ
			કરવો.
લીંબુ	ફળનો વિકાસ	પાન કથીરી	ઊંચા તાપમાનને કારણે લીંબુના બગીચામાં પાન
			કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે

પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમા મિશ્ર કરી છંટકાવ કરવો.

<u>પશ્⊬રઘા</u> પશુ ⁄ મર ધા

તાપમાન વધારે રહેવાના કારણે ઢોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ષ્યર યુક્ત પીવાના સ્વચ્છ પાણીની વ્યવસ્થા કરાવી. દુધાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ કરવો. ખોરાકમાં લીલા યારનું પ્રમાણ વધારવું. પશુઓમાં ગળસુંઢો તથા ગાંઠીયાતાવના નિયંત્રણ માટે રસીકરણ કરવું અને કરમીયાની ગોળી આપવી. દુધાળા પશુના આઉને ઝીંક એક્સાઈડઅથ બોરીક પાવડર થી બરાબર સાફ કરવું. તેમજ ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાલ ૨ મી.લી. એક લીટર પાણીમાં નાખીને છાંટવી . બપોરના સમયે મરઘાઓનું પરિવહન ટાળવું. મરઘા ઘરની પશ્ચિમ દિશામાં કંતાનના પડદા લગાવવા અને તેમી ઉપર બપોરના સમયે પાણીનો છંટકાવ કરવો.

જુકૃયુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૬, તરઘડિયા(રાજકોટ),તારીખ: ૧૦/૦૬/૨૦૧૬.

પ્રતિ, તંત્રીશ્રી/ડાયરેકટરશ્રી, રાજકોટ.

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં,રેડીયોમાં ગામના ચોરાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્યેપ્રસિધ્ધ કરાવવા નમ્ર વિંનતી છે.સહ્કારનીઅપેક્ષા સહ આભાર.

> સંશોધન વૈજ્ઞાનિક (સુકી ખેતી) જુનાગઢ કૃષિ યુનિવર્સીટી તરધડીયા



GraminKrushiMausamSeva Main Dry Farming Research Station Junagadh Agricultural University Targhadia (Rajkot) - 360 003



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Agro met Advisory Service bulletin No.-21 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 11th to 15th June - 2016)

Significant past weather for the preceding week of Rajkot

1 0	y
Rainfall (mm)	0.00-0.00
Maximum temperature (°C)	41.5-43.5
Minimum temperature (°C)	26.0-27.5
Relative Humidity (%) I	79-92
Relative Humidity (%) II	27-38
Wind speed (Kmph)	11.4-14.8

Weather forecast until 08-30 hrs of 15/06/2016

(1) RAJKOT DISTRICT:

	11/06/16	12/06/16	13/06/16	14/06/16	15/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	40	39	39	38	38
Min.Temp.(°C)	29	29	29	29	29
Total CC (octa)	1	2	2	3	4
RH-I (%)	79	78	78	77	76
RH-II (%)	52	54	54	53	59
Wind Speed (kmph)	30	27	27	29	34
Wind Direction(deg.)	237	245	248	245	244

Agro meteorological Advisories:

General Advice	days Tempera and 29-29 Relative 1 Wind Din 27-34 km Farm Carry	 Rain fall: Dry, hot and clear sky to mainly clear weather forecasted for next five days Temperature: Maximum and minimum temperature likely to be in range of 38-40° and 29-29°c, respectively. Relative Humidity: The RH is likely to be in the range of 52-79 % Wind Direction and Speed: Direction and speed of wind is likely to be W, SW and 27-34 km/h, respectively. Farmers are advised to test their soil for fertility status from certified agencies. Carry out preparatory tillage for kharif crops. Procure good quality of seeds for kharif crops. 					
Crops	Stage	Insect/Pest/Variet	Advisory				

Kharif	Pre-sowing	GG-20, GG-	Pre-sowing of groundnut may be done in this
groundnut	<i>3</i>	11,GG-7	week. Apply 156 kg/ha SSP, 62 kg/ha Ammonium sulphate and 80 kg/ha Castor cake as basal dose. Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.
	Onset of	Semi spreading,	
	monsoon	GG-20 Bunch, GG-2, GG-5, TAG-24, TG-37 A, TPG- 41, TLG-45,	
Cotton	-	Early: Bg-II GCH-8, Agritop- 333, 777, Jay, Beejdhan-2, Sarju, Atom, Bhakti, Medium Late:Bg- II GCH-6,, Agritop-444, Solar-76, Swapna, Mallika	Timely sowing should be done after sufficient rainfall. Apply 20 nitrogen kg/ha as basal for rainfed cotton.
Sesame	-	GT-2 or GT-3 variety.	Procure good quality of seeds for kharif sowing
Pearl millet	-	GHB- 558,577,538,719, 732,744	Procure good quality of seeds for kharif sowing
Pulses	-	Farmers growing p gren gram, T-9, C Falguni for cowpe Procure good qu sowing .	ulses are advised to select variety GM-4, K-851 for GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa a, BDN-2, GT-100, GTH-1 for pegion pea and ality of seeds irrespective of crops for kharif
Lady finger	Growing/fruit ing	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting	White fly Downy mildew & Alternaria blight	Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval.

Growing/fruit	Thring white fly	To control them spray neem seed extract 500 ml
ing	•	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Growing/fruit ing	Sucking pest, Fruit and shoot borer	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. To control shoot and fruit borer, infested fruits and shoots should be collected and buried inside the soil. Installation of pheromone trap @ 2-3 traps per acre is advised for monitoring of borers. If pest population is high, spraying of Spinosad 48 EC @ 1 ml /4 litres of water is advised when sky remains clear.
Flowering & fruiting	Thrips →	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofos in 10 litres of water.
Growing/fruit ing	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Fruit development	Mite	Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.
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. Increase the green fodder quantity for feeding. Supplimentry feeding of vitamins A and D should apply. Do Vaccination for Haemorrhageic 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. Put curtains on west side of poultry house and sprinkle water on curtains during noon time. Also cover the roof of the poultry house with grass or gunny bags. In poultry		
	Fruiting Growing/fruit ing Flowering & fruiting Growing/fruit ing Growing/fruit ing Fruit development Under present hours, provide animals with confor feeding. Surfor Haemorrh Udder of milking give deworming Deltamethrin on Put curtains on time. Also covered to the conformal of the conformal of the covered to the	Fruiting Growing/fruit ing Flowering & Thrips Fruit and shoot borer Flowering & Thrips Fruit and shoot borer Growing/fruit ing Growing/fruit ing Mite development Mite development Under present weather condition hours, provide plenty of cool wate animals with cold water two to threfor feeding. Supplimentry feeding for Haemorrhageic septicemia (Fudder of milking animals must be give deworming tablet to younge Deltamethrin or Amitral 2 ml/liter of Put curtains on west side of poultry

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



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Weather forecast until 08-30 hrs of 15/06/2016

(2) JAMNAGAR DISTRICT:

	11/06/16	12/06/16	13/06/16	14/06/16	15/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	40	39	39	38	38
Min.Temp.(°C)	29	29	29	29	29
Total CC (octa)	1	2	1	2	4
RH-I (%)	82	81	80	79	78
RH-II (%)	61	62	62	60	66
Wind Speed (kmph)	35	30	31	32	36
Wind Direction(deg.)	237	244	248	246	242

Agro meteorological Advisories:-

General
Advice

- Rain fall: Dry, hot and clear sky to mainly clear weather forecasted for next five days
- **Temperature:** Maximum and minimum temperature likely to be in range of 38-40°c and 29-29°c, respectively.
- Relative Humidity: The RH is likely to be in the range of 60-82 % Wind Direction and Speed: Direction and speed of wind is likely to be W, SW and 30-36 km/h, respectively.
 - Carry out preparatory tillage for kharif crops.
 - Farmers are advised to test their soil for fertility status from certified agencies.

Procure good quality of seeds for kharif crops.

Crops	Stage	Insect/Pest/Variet	Advisory
		\mathbf{y}	
Kharif	Pre-sowing	GG-20, GG-	Pre-sowing of groundnut may be done in this
groundnut		11,GG-7	week.
			Apply 156 kg/ha SSP, 62 kg/ha Ammonium sulphate and 80 kg/ha Castor cake as basal dose. Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.
	Onset of	Semi spreading,	
	monsoon	GG-20	
		Bunch, GG-2, GG-	

		5, TAG-24, TG-37	
		A, TPG-41, TLG-	
		45,	
Cotton	-	Early: Bg-II	Timely sowing should be done after sufficient
		GCH-8, Agritop-	rainfall. Apply 20 nitrogen kg/ha as basal for
		333, 777, 444,	rainfed cotton.
		Jay, Beejdhan-2,	
		Sarju, Atom,	
		Bhakti,	
		Medium Late:Bg-	
		II GCH-6, ,	
		Agritop-444,	
		Solar-76, Swapna,	
		Mallika	
Sesame	-	GT-2 or GT-3	Procure good quality of seeds for kharif sowing
		variety.	
Pearl	-	GHB-	Procure good quality of seeds for kharif sowing
millet		558,577,538,719,	
		732,744	
Pulses	-	0 01	ulses are advised to select variety GM-4, K-851 for
			GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa
			a, BDN-2, GT-100, GTH-1 for pegion pea and
		_	ality of seeds irrespective of crops for kharif
		sowing.	
T 1 0	G : /C :	0	T 1 .1
Lady finger		Thrips, white fly	To control them spray neem seed extract 500 ml
Lady finger	Growing/fruit ing	0	or neem seed oil 50 or neem oil 40 ml and
Lady finger		0	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
, g	ing	Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Ridge	ing Flowering/Fr	0	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil
Ridge gourd/	ing	Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4
Ridge gourd/ Bottle	ing Flowering/Fr	Thrips, white fly White fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit
Ridge gourd/ Bottle gourd/	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Ridge gourd/ Bottle gourd/ Sponge	ing Flowering/Fr	Thrips, white fly White fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or
Ridge gourd/ Bottle gourd/ Sponge gourd/	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or
Ridge gourd/ Bottle gourd/ Sponge gourd/	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	Thrips, white fly White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting	Thrips, white fly White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval.
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	ing Flowering/Fr uiting Growing/fruit	Thrips, white fly White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	ing Flowering/Fr uiting Growing/fruit	Thrips, white fly White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	ing Flowering/Fr uiting Growing/fruit	Thrips, white fly White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting Growing/fruit ing	Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and or neem seed oil 50 or neem oil 40 ml and
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing Fruiting	Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.

			15 days interval.		
			To control shoot and fruit borer, infested fruits and		
			shoots should be collected and buried inside the soil.		
			Installation of pheromone trap @ 2-3 traps per acre is		
			advised for monitoring of borers. If pest population is		
			high, spraying of Spinosad 48 EC @ 1 ml /4 litres of		
			water is advised when sky remains clear.		
Chili	Flowering &	Thrips →	In present weather conditions severe attack of		
	fruiting		thrips has been reported. Spray 20 ml profenofos		
	C		in 10 litres of water.		
			11 10 114 0 01 H WIE 1		
Cucumber	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml		
S	ing		or neem seed oil 50 or neem oil 40 ml and		
	•		acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at		
			15 days interval		
Livestock	Under present	Under present weather condition keep animals under shade or in sheds during noon			
& poultry	-		r mixed with minerals for drinking and shower the		
ec pourtry	-		the times in a day. Increase the green fodder quantity		
A ALDUS	W -		of vitamins A and D should apply. Do Vaccination		
		for Haemorrhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals.			
			properly clean with zinc oxide or boric powder. Also		
	give deworming	ng tablet to younge	er animals. For control of ticks and mites spray		
	Deltamethrin o	r Amitral 2 ml/liter o	of water.		
	Put curtains on	west side of poultry	y house and sprinkle water on curtains during noon		
			oultry house with grass or gunny bags. In poultry		
		he temperature using			

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



GraminKrushiMausamSeva Main Dry Farming Research Station Junagadh Agricultural University Targhadia (Rajkot) - 360 003



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Agro met Advisory Service bulletin No.-21 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 11th to 15th June - 2016)

Weather forecast until 08-30 hrs of 15/06/2016

(3) AMRELI DISTRICT:

	11/06/16	12/06/16	13/06/16	14/06/16	15/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	40	39	38	37	37
Min.Temp.(°C)	29	29	29	28	28
Total CC (octa)	1	1	2	3	4
RH-I (%)	78	76	76	75	75
RH-II (%)	51	52	52	52	57
Wind Speed (kmph)	27	24	25	26	31
Wind Direction(deg.)	238	246	249	246	245

Agro meteorological Advisories:

General
Advice

- Rain fall: Dry, hot and mainly clear to partly cloudy weather forecasted for next five days
- **Temperature:** Maximum and minimum temperature likely to be in range of 37-40°C and 28-29°C, respectively.
- Relative Humidity: The RH is likely to be in the range of 51-78 %
- Wind Direction and Speed: Direction and speed of wind is likely to be W, SW and 24-31 km/h, respectively.
 - Farmers are advised to test their soil for fertility status from certified agencies.
 - Carry out preparatory tillage for kharif crops.
- Procure good quality of seeds for kharif crops.

	0 1 0		<u> </u>
Crops	Stage	Insect/Pest/Variet	Advisory
		\mathbf{y}	
Kharif	Pre-sowing	GG-20, GG-	Pre-sowing of groundnut may be done in this
groundnut		11,GG-7	week.
			Apply 156 kg/ha SSP, 62 kg/ha Ammonium sulphate and 80 kg/ha Castor cake as basal dose.
			Seed treatment with Dithane M-
			45/Captan/vitavax @ 2 grams per kg of seeds
			before sowing is advised.
	Onset of	Semi spreading,	
	monsoon	GG-20	
		Bunch, GG-2, GG-	

		5 TAC 04 TO 07	
		5, TAG-24, TG-37	
		A, TPG-41, TLG-	
		45,	
Cotton	-	Early: Bg-II	Timely sowing should be done after sufficient
		GCH-8, Agritop-	rainfall. Apply 20 nitrogen kg/ha as basal for
		333, 777, 444,	rainfed cotton.
		Jay, Beejdhan-2,	
		Sarju, Atom,	
		Bhakti,	
		Medium Late:Bg-	
		II GCH-6, ,	
		Agritop-444,	
		Solar-76, Swapna,	
		Mallika	
Sesame	_	GT-2 or GT-3	Procure good quality of seeds for kharif sowing
		variety.	and the state of t
Pearl	_	GHB-	Procure good quality of seeds for kharif sowing
millet		558,577,538,719,7	Trocare good quanty of seeds for knarn sowing
mmet		32,744	
Pulses	_		alses are advised to select variety GM-4, K-851 for
1 discs			EU-1 for black gram, Gujarat cowpae-1,2,4, Pusa
			a, BDN-2, GT-100, GTH-1 for pegion pea and
			ality of seeds irrespective of crops for kharif
		sowing.	anty of seeds if respective of crops for knarn
Lody finger	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml
Lauy Illiger	l . –	Timps, winte my	or neem seed oil 50 or neem oil 40 ml and
	ing		acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
			15 days interval.
Didge	Elovering/Er	White fly	· ·
Ridge	Flowering/Fr	wille fry	Spary neem seed extract 500 ml or neem seed oil
gourd/	uiting		50 ml in 10 litre of water at 15 days interval (4
Bottle		Darrage maildann 0-	sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit
gourd/		Downy mildew &	
Sponge		Alternaria blight	Alternate three spray of Mancozeb 27 g or
gourd/			chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Bitter			at 15 days interval.
gourd			
Cluster	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml
bean	ing	impo, wince my	or neem seed oil 50 or neem oil 40 ml and
Souli .	5		acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
			15 days interval
Water	Fruiting	Thrips, white fly	To control them spray neem seed extract 500 ml
melon	Truiting	imips, wintering	or neem seed oil 50 or neem oil 40 ml and
11101011			acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
			<u> </u>
Dwiniel and	Canada = /f==:+	Cyalring mast	15 days interval.
Brinjal and	l . –	Sucking pest,	To control them spray neem seed extract 500 ml
Brinjal and tomato	Growing/fruit ing	Sucking pest, Fruit and shoot borer	

			15 days interval. To control shoot and fruit borer, infested fruits and shoots should be collected and buried inside the soil. Installation of pheromone trap @ 2-3 traps per acre is advised for monitoring of borers. If pest population is high, spraying of Spinosad 48 EC @ 1 ml /4 litres of water is advised when sky remains clear.
Chili	Flowering & fruiting	Thrips →	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofos in 10 litres of water.
Cucumber s	Growing/fruit ing	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Livestock & poultry	Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Increase the green fodder quantity for feeding. Supplimentry feeding of vitamins A and D should apply. Do Vaccination for Haemorrhageic septicemia (H.S.) disease and Black 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. Put curtains on west side of poultry house and sprinkle water on curtains during noon time. Also cover the roof of the poultry house with grass or gunny bags. In poultry house control the temperature using fogger.		

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



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Agro met Advisory Service bulletin No.-21 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 11th to 15th June - 2016)

Weather forecast until 08-30 hrs of 15/06/2016

(4) SURENDRANAGAR DISTRICT:

	11/06/16	12/06/16	13/06/16	14/06/16	15/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	41	40	39	39
Min.Temp.(°C)	30	30	29	29	29
Total CC (octa)	1	2	1	2	4
RH-I (%)	73	72	71	70	69
RH-II (%)	39	41	41	42	46
Wind Speed (kmph)	30	28	28	29	34
Wind Direction(deg.)	235	240	245	245	241

Agro meteorological advisories:

General
Advice

- Rain fall: Dry, hot and mainly clear to partly cloudy weather forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 39-41°C and 29-30°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 39-73 %
- **Wind Direction and Speed**: Direction and speed of wind is likely to be SW and 28-34 km/h, respectively.
 - Farmers are advised to test their soil for fertility status from certified agencies.
 - Carry out preparatory tillage for kharif crops.
- Procure good quality of seeds for kharif crops.

Crops	Stage	Insect/Pest/Variet	Advisory
		\mathbf{y}	
Kharif	Pre-sowing	GG-20, GG-	Pre-sowing of groundnut may be done in this
groundnut		11,GG-7	week.
			Apply 156 kg/ha SSP, 62 kg/ha Ammonium sulphate and 80 kg/ha Castor cake as basal dose.
			Seed treatment with Dithane M-
			45/Captan/vitavax @ 2 grams per kg of seeds
			before sowing is advised.
	Onset of	Semi spreading,	
	monsoon	GG-20	
		Bunch, GG-2, GG-	

		<i></i>	
		5, TAG-24, TG-37	
		A, TPG-41, TLG-	
		45,	
Cotton	-	Early: Bg-II	Timely sowing should be done after sufficient
		GCH-8, Agritop-	rainfall. Apply 20 nitrogen kg/ha as basal for
		333, 777, 444,	rainfed cotton.
		Jay, Beejdhan-2,	
		Sarju, Atom,	
		Bhakti,	
		Medium Late:Bg-	
		II GCH-6, ,	
		Agritop-444,	
		Solar-76, Swapna,	
		Mallika	
Sesame	-	GT-2 or GT-3	Procure good quality of seeds for kharif sowing
		variety.	
Pearl	_	GHB-	Procure good quality of seeds for kharif sowing
millet		558,577,538,719,	2200020 good quanty 02 seeds 202 amount so wang
		732,744	
Pulses	_		ulses are advised to select variety GM-4, K-851 for
I discs			GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa
		0	a, BDN-2, GT-100, GTH-1 for pegion pea and
		•	ality of seeds irrespective of crops for kharif
		sowing.	unity of seeds irrespective of crops for kildrin
		8	
Lady finger	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml
Lady finger	Growing/fruit ing	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and
Lady finger	Growing/fruit ing	Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and
Lady finger		Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
	ing		or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Ridge	ing Flowering/Fr	Thrips, white fly White fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil
Ridge gourd/	ing		or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4
Ridge gourd/ Bottle	ing Flowering/Fr	White fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit
Ridge gourd/ Bottle gourd/	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.
Ridge gourd/ Bottle gourd/ Sponge	ing Flowering/Fr	White fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or
Ridge gourd/ Bottle gourd/ Sponge gourd/	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or
Ridge gourd/ Bottle gourd/ Sponge gourd/	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter	ing Flowering/Fr	White fly Downy mildew &	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting	White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval.
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting Growing/fruit	White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting Growing/fruit	White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting Growing/fruit	White fly Downy mildew & Alternaria blight	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd	Flowering/Fr uiting Growing/fruit ing	White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and or neem seed oil 50 or neem oil 40 ml and
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing	White fly Downy mildew & Alternaria blight Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	Flowering/Fr uiting Growing/fruit ing Fruiting	White fly Downy mildew & Alternaria blight Thrips, white fly Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval.

			15 days interval. To control shoot and fruit borer, infested fruits and shoots should be collected and buried inside the soil. Installation of pheromone trap @ 2-3 traps per acre is advised for monitoring of borers. If pest population is high, spraying of Spinosad 48 EC @ 1 ml /4 litres of water is advised when sky remains clear.
Chili	Flowering & fruiting	Thrips →	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofos in 10 litres of water.
Cucumber s	Growing/fruit ing	Thrips, white fly	To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Livestock & poultry	Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Increase the green fodder quantity for feeding. Supplimentry feeding of vitamins A and D should apply. Do Vaccination for Haemorrhageic 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. Put curtains on west side of poultry house and sprinkle water on curtains during noon time. Also cover the roof of the poultry house with grass or gunny bags. In poultry house control the temperature using fogger.		

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