

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉતર સૌરાષ્ટ્રખેત આબોહવાકીયવિભાગ



તા.0४-05-२०१५ થી તા.0८-05-२०१५

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

કૃષિહ્વામાન બુલેટીન નં. <mark>૧૯/૨૦૧૬</mark>

પાછલા અઠવાડીયાનું રાજકોટનું હવામાન

હવામાન પરિબળો	
વરસાદ(મી.મી.)	0.0
મહતમ તાપમાન (સે.ગ્રે)	39.6-40.5
લઘુતમ તાપમાન (સે.ગ્રે)	26.1-27.0
ભેજ(%) સવાર	76-83
ભેજ(%) બપોરબાદ	38-39
પવનની ગતિ (કિમી/કલાક)	10.9-11.8

હવામાન આગાઠી: પત્રક-ક

ઉતર સૌરાષ્ટ્રખેત આબોઠવાકીય વિભાગ-ઠવામાન આગાઠી

તા.0४-05-२0૧૬ થી તા.0૯-05-२0૧૬

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.૦૪-૦૬-૨૦૧૬ થી તા.૦૯-૦૬-૨૦૧૬ દરમ્યાન ફવામાન સૂકું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રફેવાની અને પવનની ઝડપ ૧૫ થી 30 કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	08-09-99	04-05-95	09-09-99	09-09-99	0८-09-99
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	41	41	42	42	41
લઘુતમ તાપમાન (સે.ગ્રે)	27	27	28	28	27
વાદળની સ્થિતિ(ઓકટા)	0	0	1	1	2
મહતમ ભેજ (%) સવાર	79	71	69	73	79

લધુતમ ભેજ (%) બપોરબાદ	37	33	30	31	34
પવનની ગતિ (કિમી/કલાક)	15	25	28	30	25
પવનની દિશા (ડીગ્રી)	286	295	299	289	278

જામનગર: જીલ્લામાં આગામી તા.૦૪-૦૬-૨૦૧૬ થી તા.૦૮-૦૬-૨૦૧૬ દરમ્યાન ફવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રફેવાની અને પવનની ઝડપ ૧૫થી ૩૧ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૮-૩૮ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૯ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	08-09-99	04-05-95	09-09-99	00-05-95	0८-09-99
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	38	39	39	39	38
લઘુતમ તાપમાન (સે.ગ્રે)	28	29	29	29	28
વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	1
મહતમ ભેજ (%) સવાર	83	76	74	77	81
લઘુતમ ભેજ (%) બપોરબાદ	48	44	39	40	43
પવનની ગતિ (કિમી/કલાક)	15	24	30	31	28
પવનની દિશા (ડીગ્રી)	283	294	294	286	271

અમરેલી: જીલ્લામાં આગામી તા.૦૪-૦૬-૨૦૧૬ થી તા.૦૫-૦૮-૨૦૧૬ દરમ્યાન ફવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રફેવાની અને પવનની ઝડપ ૧૩-૨૩ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-ર	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	08-09-99	04-05-95	09-09-99	09-09-99	0८-09-99
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	42	42	42	42	41
લઘુતમ તાપમાન (સે.ગ્રે)	28	28	28	28	27
વાદળની સ્થિતિ(ઓકટા)	0	0	0	1	3
મહતમ ભેજ (%) સવાર	72	69	68	69	74
લધુતમ ભેજ (%) બપોરબાદ	40	34	32	31	33
પવનની ગતિ (કિમી/કલાક)	13	21	23	21	18
પવનની દિશા (ડીગ્રી)	290	299	299	288	285

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૦૪-૦૬-૨૦૧૬ થી તા.૦૮-૦૬-૨૦૧૬ દરમ્યાન હવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની અને પવનની ઝડપ ૧૮ થી ૨૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૧-૪૨ ડીગ્રી સેલ્શીયસ જેટલું તેમજ

લધુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૮-૨૯</mark> ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-ર	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	08-09-99	04-05-95	09-09-99	09-09-99	0८-09-99
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	41	41	42	42	41
લઘુતમ તાપમાન (સે.ગ્રે)	28	28	29	29	29
વાદળની સ્થિતિ(ઓકટા)	0	0	0	0	1
મહતમ ભેજ (%) સવાર	71	57	56	60	69
લઘુતમ ભેજ (%) બપોરબાદ	24	21	18	19	21
પવનની ગતિ (કિમી/કલાક)	18	23	27	25	21
પવનની દિશા (ડીગ્રી)	282	297	298	288	268

૮ જુન સુધી હવામાન સુકું, ગરમ અને અંશત: વાદળછાયું રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૫ થી ૩૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૦-૪૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ 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	જીજી-૨૨, જીજી-૨૦, જીજી-૧૧ અર્ધ વેલડી જીજી-૨૦,	ચોમાસું મગફળીનાં આગોતરા વાવેતર માટે જમીનની તૈયારી કરાવી અને સેન્દ્રિય ખાતર ઉમેરવું. વાવેતર સમયે સિંગલ સુપર ફ્રોસ્ફ્રેટ ૧૫૬ કી.ગ્રા./ફે.,
	આધારીત	જીજી-૨૨ ઉભડી –જીજી-૨, ટીએજી- ૨૪, ટીએલજી-૪૫, ટીપીજી-૪૧, તીજી-૩૭-એ	એમોનીયમ સલ્ફેટ કર 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. પાયામાં આપવો. તેમજ ૨.૫ કી.ગ્રા./હે ટ્રાયકોડમાં ક્ર્ગનો 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.

કપાસ	-	કપાસ બોલગાર્ડ-૨ ની પ્રમાણિત જાતો જેવી કે વહેલી પાકતી જતો : ગુજરાત શંકર-					
		૮, એગ્રીટોપ-૩૩૩, જય, સરજુ, સુરક્ષા, બળવાન, ભક્તિ, ભદ્રા, ફર્સ્ટ ક્લાસ					
		મધ્યમ મોડી પાકતી જાતો : ગુજરાત શંકર-૬, એગ્રીટોપ-૪૪૪, એગ્રીટોપ-૭૭૭ 4					
		સોલા૨-૭૬, મલ્લિકા	સોલા૨-૭૬, મલ્લિકા				
તલ	711.6 21.2	210421 4 441 2 210421 4	٦ ، ١				
rici		ગુજરાત તલ- ૨, ગુજરાત	Cici- 3				
	જાતની પસંદગી	2 0 2 0					
બાજરી		2 2 0	l-૫૩૮, જીએયબી-૫૭૭, જીએયબી-૭૧૯, જીએયબી-				
	જાતની પસંદગી	૭૩૨ અને જીએચબી-૭૪૪					
કઠોળ	પાક અને	ચોમાસું કઠોળ પાકો માટે મ	ાગની ગુજરાત મગ-૪ , કે-૮૫૧, અડદની 4 ગુજરાત				
પાકો	જાતની	અડદ v૧4					
	પસંદગી		યોળા માટે v ગુજરાત યોળા v૧,૨,૪, પૂસા ફ્રાલ્ગુની,				
			ગુજરાત તુવેર v ૧૦૦4 ગુજરાત તુવેર હાઈબ્રીડ-૧,				
0.			ારી ગુણવતાનું પ્રમાણિત બીજ સમયસર મેળવી લેવું.				
ભીંડા	વૃધ્ધિ/ફુલ/	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.				
ગામલા		તલછારો	> મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭				
			ગ્રામ અથવા ફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના				
			અંતરે ત્રણ છંટકાવ કરવા.				
ગુવાર	વૃધ્ધિ/ફુલ/	થ્રીપ્સ,સફેદ માખી	> તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ				
			ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા				

	શીંગ		دالاشاروا عالية والمنافية المنافية المن
	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
	Ç		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 લીટ ૨
			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	PAP P	મિલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું
		2 M 2 7 4	દ્રાવણ ૫૦૦ મિલી ૧૦ લી. પાણીમાં મિશ્ર કર <u>ી</u>
			છંટકાવ કરવો.
			BLACKS CONCOMMENCATION CONTRACTOR
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.
EVI.D7		2 2 2 2 0	
5X]qDZ 3F	તાપમાન વધારે	રહેવાના કારણે ઢોરને દિવસ	ના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ષ્યર યુક્ત
પશુ/મર	પીવાના સ્વચ્છ	પાણીની વ્યવસ્થા કરાવી. દુધ	ાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ
ધા	કરવો. ખોરાકમાં	લીલા ચારનું પ્રમાણ વધારવું	. પશુઓમાં ગળસુંઢો તથા ગાંઠીયાતાવના નિયંત્રણ માટે
	રસીકરણ કરવું :	અને કરમીયાની ગોળી આપ	વી. દુધાળા પશુના આઉને ઝીંક ઓક્સાઈડઅથ બોરીક
	પાવડર થી બરા	.બર સાફ કરવું. તેમજ ઈતર	રડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાલ ૨
	_ મી.લી. એક લીટ	ટર પાણીમાં નાખીને છાંટવી	. બપોરના સમયે મરધાઓનું પરિવહન ટાળવું. મરધા
	ધરની પશ્ચિમ દિ	શામાં કંતાનના પડદા લગા	વવા અને તેમી ઉપર બપોરના સમયે પાણીનો છંટકાવ
	કરવો.		

જુકૃયુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૬, તરધડિયા(રાજકોટ),તારીખ: 03/05/૨૦૧૬.

પ્રતિ, તંત્રીશ્રી/ડાયરેકટરશ્રી, રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં,રેડીચોમાં ગામના ચોરાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્ચેપ્રસિધ્ધ કરાવવા નમ્ર વિંનતી છે.સહકારનીઅપેક્ષા 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.-19 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 4th to 8th June - 2016)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	39.6-40.5
Minimum temperature (°C)	26.1-27.0
Relative Humidity (%) I	76-83
Relative Humidity (%) II	38-39
Wind speed (Kmph)	10.9-11.8

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

(1) RAJKOT DISTRICT:

	04/06/16	05/06/16	06/06/16	07/06/16	08/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	41	42	42	41
Min.Temp.(°C)	27	27	28	28	27
Total CC (octa)	0	0	1	1	2
RH-I (%)	79	71	69	73	79
RH-II (%)	37	33	30	31	34
Wind Speed (kmph)	15	25	28	30	25
Wind Direction(deg.)	286	295	299	289	278

Agro meteorological Advisories:

Si o meteore	nogical may	DULIUD	
General Advice	 Rain fall: days Temperat and 27-28° Relative F Wind Dir and 15-30 Farme Carry 	Dry, hot and clear slower: Maximum and more, respectively. Iumidity: The RH is lection and Speed: Decimal km/h, respectively.	-
Crops	Stage	Insect/Pest/Variet	Advisory

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 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 m or neem seed oil 50 or neem oil 40 ml an acetamiprid 20 % SP@ 5.0 gm / 10 lit of water a 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 an shoots should be collected and buried inside the soi Installation of pheromone trap @ 2-3 traps per acre advised for monitoring of borers. If pest population 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 profenof 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.			
hours, provide animals with co- for feeding. Su for Haemorrh Udder of milki- give dewormin Deltamethrin of Put curtains on	plenty of cool water old water two to three pplimentry feeding ageic septicemia (Fing animals must be page tablet to younger Amitral 2 ml/liter of west side of poultry	keep animals under shade or in sheds during noon or mixed with minerals for drinking and shower the see times in a day. Increase the green fodder quantity of vitamins A and D should apply. Do Vaccination H.S.) disease and Blue Quarter (B.Q.) in animals. Properly clean with zinc oxide or boric powder. Also be animals. For control of ticks and mites spray of water. In y house and sprinkle water on curtains during noon boultry house with grass or gunny bags. In poultry			
	Fruiting Growing/fruiting Flowering & fruiting Growing/fruiting Growing/fruiting Fruit development Under present hours, provide animals with confor feeding. Suffor 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 cov	Fruiting Growing/fruit ing Flowering & Thrips, white fly Flowering & Fruit and shoot borer Flowering & Thrips → Fruit and shoot borer Growing/fruit ing Growing/fruit ing Fruit development 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 08/06/2016

(2) JAMNAGAR DISTRICT:

	04/06/16	05/06/16	06/06/16	07/06/16	08/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	38	39	39	39	38
Min.Temp.(°C)	28	29	29	29	28
Total CC (octa)	0	0	0	0	1
RH-I (%)	83	76	74	77	81
RH-II (%)	48	44	39	40	43
Wind Speed (kmph)	15	24	30	31	28
Wind Direction(deg.)	283	294	294	286	271

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 38-39°c and 28-29°c, respectively.
- Relative Humidity: The RH is likely to be in the range of 40-83 % Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 15-31 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.

	- 110cure good quanty of secus for known crops.				
Crops	Stage	Insect/Pest/Variet	Advisory		
		${f y}$			
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 24 TC 27	
		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.	2200020 good quanty of seeds for animal so wang
Pearl	-	GHB-	Procure good quality of seeds for kharif sowing
millet		558,577,538,719,	Trocure good quanty or seeds for kinding sowing
mmet		732,744	
Pulses	_	,	ulses are advised to select variety GM-4, K-851 for
1 discs			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.	anty of seeds iffespective of crops for knarn
		sowing.	
I adv finger	Growing/fruit	Thring white fly	To control them spray neem seed extract 500 ml
Lady finger	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml
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 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 &	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	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 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
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	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 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 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.
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean Water melon	Flowering/Fruiting Growing/fruiting Fruiting Growing/fruit	White fly Downy mildew & Alternaria blight Thrips, white fly Thrips, white fly Sucking pest,	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. 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 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.

Chili	Flowering & fruiting	Thrips →	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. 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
Lemon	Fruit development	Mite	Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.
Livestock	Under present	weather condition k	keep animals under shade or in sheds during noon
& poultry	hours, provide	plenty of cool wate	r mixed with minerals for drinking and shower the
			ee times in a day. Increase the green fodder quantity of vitamins A and D should apply. Do Vaccination
	411		H.S.) disease and Blue Quarter (B.Q.) in animals.
	Udder of milki	ng animals must be p	properly clean with zinc oxide or boric powder. Also
			er animals. For control of ticks and mites spray
		r Amitral 2 ml/liter of	
		-	y house and sprinkle water on curtains during noon boultry 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 Phone: (0281)2784260(O) 2231686(B)



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Agro met Advisory Service bulletin No.-19 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 4th to 8th June - 2016)

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

(3) AMRELI DISTRICT:

	04/06/16	05/06/16	06/06/16	07/06/16	08/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	42	42	42	42	41
Min.Temp.(°C)	28	28	28	28	27
Total CC (octa)	0	0	0	1	3
RH-I (%)	72	69	68	69	74
RH-II (%)	40	34	32	31	33
Wind Speed (kmph)	13	21	23	21	18
Wind Direction(deg.)	290	299	299	288	285

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 41-42°C

and 27-28°C, respectively.

- Relative Humidity: The RH is likely to be in the range of 31-74 %
- Wind Direction and Speed: Direction and speed of wind is likely to be W, WN and 13-23 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			
		y				
Kharif groundnut	Pre-sowing	GG-20, GG- 11,GG-7	Pre-sowing of groundnut may be done in this 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 monsoon	Semi spreading, 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, 444, 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- 558,577,538,719,7 32,744	Procure good quality of seeds for kharif sowing			
Pulses	-	Farmers growing pulses are advised to select variety GM-4, K-851 for gren gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa Falguni for cowpea, BDN-2, GT-100, GTH-1 for pegion pea and Procure good quality of seeds irrespective of crops for kharif sowing .				
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.
Cluster bean	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
Water melon	Fruiting	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.
Brinjal and tomato	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.
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
Lemon	Fruit development	Mite	Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.
Livestock & poultry	hours, provide animals with c	plenty of cool water old water two to thre	teep animals under shade or in sheds during noon remixed with minerals for drinking and shower the te times in a day. Increase the green fodder quantity 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.-19 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 4th to 8th June - 2016)

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

(4) SURENDRANAGAR DISTRICT:

	04/06/16	05/06/16	06/06/16	07/06/16	08/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	41	41	42	42	41
Min.Temp.(°C)	28	28	29	29	29
Total CC (octa)	0	0	0	0	1
RH-I (%)	71	57	56	60	69
RH-II (%)	24	21	18	19	21
Wind Speed (kmph)	18	23	27	25	21
Wind Direction(deg.)	282	297	298	288	268

Agro meteorological advisories:

General
Advice

- Rain fall: Dry, hot and clear sky to mainly clear to clear weather forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 41-42°C and 28-29°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 18-71 %
- Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 18-27 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.

	1100d10 good quality of seeds for initiating of oppor		
Crops	Stage	Insect/Pest/Variet	Advisory
		${f y}$	
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-	

	T	T	
		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	-	Farmers growing p	ulses are advised to select variety GM-4, K-851 for
		gren gram, T-9, C	GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa
		1	a, BDN-2, GT-100, GTH-1 for pegion pea and
		Procure good qu	ality of seeds irrespective of crops for kharif
		sowing.	
Lady finger	Growing/fruit	Thrips, 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.
Ridge	Flowering/Fr	White fly	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			sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit
gourd/		_	of water at 15 days interval.
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	imips, winte my	or neem seed oil 50 or neem oil 40 ml and
bean	III'S		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			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.
Brinjal and	Growing/fruit	Sucking pest,	To control them spray neem seed extract 500 ml
_	515 mg/ 11 uit	~ ~ ~ Pobt,	_ *
tomato	ing	Fruit and shoot	or neem seed oil 50 or neem oil 40 ml and
tomato	ing	Fruit and shoot borer	or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at

Chili	Flowering & fruiting	Thrips →	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. 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		
Lemon	Fruit development	Mite	15 days interval Due to high temperature mites infestation in lemon orchard observed. To control mite infestation spray propargite 57 % EC 10/10 liter of water.		
Livestock & poultry	Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. 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.