

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉતર સૌરાષ્ટ્રખેત આબોહવાકીયવિભાગ



તા.૧૮-૦૬-૨૦૧૬ થી તા.૨૨-૦૬-૨૦૧૬

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

કૃષિહ્વામાન બુલેટીન નં. <mark>૨૩/૨૦૧૬</mark>

પાછલા અઠવાડીયાનું રાજકોટનું હવામાન

હવામાન પરિબળો	
વરસાદ(મી.મી.)	0.0
મહતમ તાપમાન (સે.ગ્રે)	37.8-38.9
લધુતમ તાપમાન (સે.ગ્રે)	26.5-27.1
ભેજ(%) સવાર	75-82
ભેજ(%) બપોરબાદ	46-51
પવનની ગતિ (કિમી/કલાક)	13.9-17.2

હવામાન આગાહી: પત્રક-ક

ઉતર સૌરાષ્ટ્રખેત આબોઠવાકીય વિભાગ-ઠવામાન આગાઠી

તા.૧૮-૦૬-૨૦૧૬ થી તા.૨૨-૦૬-૨૦૧૬

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. ૧૮-૦૬-૨૦૧૬ થી તા. ૨૨-૦૬-૨૦૧૬ દરમ્યાન હવામાન સ્કું અને અંશત: વાદળછાયું થી વાદળછાયું રહેશે. તા. ૨૧ અને ૨૨ જુનના રોજ ૧૦ મીમી વરસાદ થવાની શક્યતા છે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૮ થી ૨૭ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૭-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૯ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	१८-०६-१६	96-05-95	99-99-99	२१-०५-१५	29-09-9S
વરસાદ(મી.મી)	0	0	0	10	10
મહતમ તાપમાન (સે.ગ્રે)	39	39	38	38	37
લઘુતમ તાપમાન (સે.ગ્રે)	28	28	28	29	29
વાદળની સ્થિતિ(ઓકટા)	1	3	5	7	8

મહતમ ભેજ (%) સવાર	75	75	77	78	78
લઘુતમ ભેજ (%) બપોરબાદ	49	47	49	55	50
પવનની ગતિ (કિમી/કલાક)	25	27	26	20	18
પવનની દિશા (ડીગ્રી)	265	275	266	272	266

જામનગર: જીલ્લામાં આગામી તા.૧૮-૦૬-૨૦૧૬ થી તા.૨૨-૦૬-૨૦૧૬ દરમ્યાન હવામાન સ્કું અને અંશત: વાદળછાયું થી વાદળછાયું રહેશે. તા. ૨૧ અને ૨૨ જુનના રોજ અનુક્રમે ૩ અને ૫ મીમી વરસાદ થવાની શક્યતા છે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૨૮ થી ૩૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન 33-3૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	१८-०६-१६	96-05-95	99-99-99	२१-०५-१५	55-02-45
વરસાદ(મી.મી)	0	0	0	3	5
મહ્તમ તાપમાન (સે.ગ્રે)	35	34	34	34	33
લઘુતમ તાપમાન (સે.ગ્રે)	28	28	28	28	28
વાદળની સ્થિતિ(ઓકટા)	1	3	4	6	7
મહતમ ભેજ (%) સવાર	78	78	79	80	80
લઘુતમ ભેજ (%) બપોરબાદ	58	55	57	61	55
પવનની ગતિ (કિમી/કલાક)	27	29	26	22	19
પવનની દિશા (ડીગ્રી)	264	273	260	267	263

અમરેલી: જીલ્લામાં આગામી તા.૧૮-૦૬-૨૦૧૬ થી તા.૨૨-૦૮-૨૦૧૬ દરમ્યાન હવામાન સૂકું અને અંશત: વાદળછાયું થી વાદળછાયું રહેશે. તા. ૨૧ અને ૨૨ જુનના રોજ ૧૦ મીમી વરસાદ થવાની શક્યતા છે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૭-૨૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૮ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	96-09-99	96-05-95	20-09-9 <i>9</i>	२१-०५-१५	22-09- 9 9
વરસાદ(મી.મી)		0	0	10	10
મહતમ તાપમાન (સે.ગ્રે)	38	38	39	39	36
લધુતમ તાપમાન (સે.ગ્રે)	28	28	28	27	27
વાદળની સ્થિતિ(ઓકટા)	1	4	6	7	8
મહતમ ભેજ (%) સવાર	75	74	75	76	76
લઘુતમ ભેજ (%) બપોરબાદ	47	45	46	53	50
પવનની ગતિ (કિમી/કલાક)	23	23	24	17	17
પવનની દિશા (ડીગ્રી)	265	279	269	278	270

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૮-૦૬-૨૦૧૬ થી તા.૨૨-૦૬-૨૦૧૬ દરમ્યાન ફ્વામાન સૂકું અને અંશત: થી વરસાદી વાદળછાયું રફેશે. વરસાદની શક્યતા નથી. પવનની દિશા પશ્ચિમની અને પવનની ઝડપ ૨૦ <mark>થી ૨૬ કીમી/કલાક</mark> રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન <u>૩૭-૩૯</u> 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	१८-०५-१५	१૯-०६-१६	20-05-95	२१-०५-१५	28-08-88
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	39	39	38	38	37
લઘુતમ તાપમાન (સે.ગ્રે)	28	28	28	29	29
વાદળની સ્થિતિ(ઓકટા)	0	3	4	6	8
મહતમ ભેજ (%) સવાર	73	73	74	73	73
લઘુતમ ભેજ (%) બપોરબાદ	39	40	41	40	36
પવનની ગતિ (કિમી/કલાક)	24	25	26	20	20
પવનની દિશા (ડીગ્રી)	258	267	263	272	271

22 જુન સુધી હવામાન સ્કું અને અંશત: વાદળછાયું થી વાદળછાયું રહેશે. રાજકોટ, અમરેલી અને જામનગર જીલ્લામાં તા. 29 અને 22 જુનના રોજ વરસાદી ઝાપટા થવાની શક્યતા છે. . પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ 20 થી 24 કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન 30-36 ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન 26-26 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 અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ
પાક			(૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
મગફળી	આગોતરું વાવેતર વરસાદ આધારીત	જીજી-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 ફ્રોસ્ફ્રેટ ૧૫૬ કી.ગ્રા./ફે., એમોનીયમ સલ્ફ્રેટ ૬૨ કી.ગ્રા./ફે., અને એરંડીનો ખોળ ૫૦૦ કી.ગ્રા./ફે. અથવા ડી.એ.પી. ૫૪ કી.ગ્રા. અને જીપ્સમ ૫૦૦ કી.ગ્રા./ફે. સાથે એરંડીનો ખોળ ૫૦૦ કી.ગ્રા./ફે. પાયામાં આપવો. તેમજ ૨.૫ કી.ગ્રા./ફે ટ્રાયકોડર્માં ફ્રગનો પાઉડર ૫૦૦ કી.ગ્રા./ફે 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-ર 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-ક, એગ્રીટોપ-૪૪૪, એગ્રીટોપ-૭૭૭ 4 સોલાર-૭૬, મલ્લિકા				
તલ	પાક અને જાતની પસંદગી	ગુજરાત તલ- ૨, ગુજરાત	તલ- 3			
બાજરી	પાક અને જાતની પસંદગી	જીએચબી-૫૫૮ જીએચબી ૭૩૨ અને જીએચબી-૭૪૪	-૫૩૮, જીએચબી-૫૭૭, જીએચબી-૭૧૯, જીએચબી-			
કઠોળ પાકો	પાક અને જાતની પસંદગી	ચોમાસું કઠોળ પાકો માટે મગની ગુજરાત મગ-૪ , કે-૮૫૧, અડદની 4 ગુજરાત અડદ v૧4 ચોળા માટે v ગુજરાત ચોળા v૧,૨,૪, પૂસા ફાલ્ગુની, તુવેર માટે બીડીએન-૨, ગુજરાત તુવેર v૧૦૦4 ગુજરાત તુવેર હાઈબ્રીડ-૧, પૈકી પસંદગીની જાતોનું સારી ગુણવતાનું પ્રમાણિત બીજ સમયસર મેળવી લેવું.				
ભીંડા	વૃધ્ધિ/ફુલ/ શીંગ	થ્રીપ્સ,સફેદ માખી	તેના ની યંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ ગ્રામ અને લીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.			
તુરીયા, દુધી, ગલકા અને કારેલા	વૃધ્ધિ/કુલ	પાન કોરીયું , થ્રીપ્સ, સફેદ માખી તલછારો	 લીંબોળીનો અર્ક ૫૦૦ મિલી અથવા લીંબોળીનું તેલ ૫૦ મીલીનો છંટકાવ ૧૫ દિવસના અંતરે યાર વખત કરવો. વધુ ઉપદ્રવ હોય તો એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ / ૧૦ લીટર પાણીમા મિશ્ર કરી છંટકાવ કરવો. મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના 			
			અંતરે ત્રણ છંટકાવ કરવા.			

ગુવાર	વૃધ્ધિ/ફુલ/ શીંગ	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.
તરબુચ	વૃધ્ધિ/ફુલ	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 અને ટમેટી	કુલ/ફળ	થ્રીપ્સ, સફેદ માખી, ફળ અને ડોકા કોરી ખાનાર ઈયળ	બીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળી ના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ હોય 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 પાણીમા ઓગાળી છંટકાવ કરવો.
મરચી	કુલ/ફળ	થ્રીપ્સ 	પ્રોફ્રેનોફ્રોસ ૨૦ મીલી અને લીંબોળી નું તેલ ૫૦ મિલી અથવા લીંબોળી ના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
કાકડી	વૃધ્ધિ/કુલ/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 હ્રેય તો તેના નિયંત્રણ માટે					
			પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમા મિશ્ર					
			કરી છંટકાવ કરવો.					
5X]qDZ 3F	તાપમાન વધારે	રહેવાના કારણે ઢોરને દિવસ	ના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ષ્યર યુક્ત					
પશુ/મર	પીવાના સ્વચ્છ ૧	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 ય	મને કરમીયાની ગોળી આપવી	l. દુધાળા પશુના આઉને ઝીંક ઓક્સાઈડ અથવા					
	બોરીક પાવડર થ	્રી બરાબર સાફ કરવું. તેમ જ	ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાલ					
	ર મી.લી. એક લીટર પાણીમાં નાખીને છાંટવી . બપોરના સમયે મરધાઓનું પરિવહન ટાળવું. મરધા							
	ઘરની પશ્ચિમ દિશામાં કંતાનના પડદા લગાવવા અને તેમી ઉપર બપોરના સમયે પાણીનો છંટકાવ							
	કરવો.							

જુકૃયુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૬, તરધડિયા(રાજકોટ),તારીખ: ૧૭/૦૬/૨૦૧૬.

પ્રતિ, તંત્રીશ્રી/ડાયરેકટરશ્રી, રાજકોટ.

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં,રેડીયોમાં ગામના યો રાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્યેપ્રસિધ્ધ 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.-23 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 18th to 22ND June - 2016)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	37.8-38.9
Minimum temperature (°C)	26.5-27.1
Relative Humidity (%) I	75-82
Relative Humidity (%) II	46-51
Wind speed (Kmph)	13.9-17.2

Weather forecast until 08-30 hrs of 22/06/2016

(1) RAJKOT DISTRICT:

	18/06/16	19/06/16	20/06/16	21/06/16	22/06/16
Rainfall (mm)	0	0	0	10	10
Max.Temp.(°C)	39	39	38	38	37
Min.Temp.(°C)	28	28	28	29	29
Total CC (octa)	1	3	5	7	8
RH-I (%)	75	75	77	78	78
RH-II (%)	49	47	49	55	50
Wind Speed (kmph)	25	27	26	20	18
Wind Direction(deg.)	265	275	266	272	266

Agro meteorological Advisories:

General Advice	next five of Temperary and 28-29 Relative I Wind Dir 32 km/h, 1 Monse	days except on 21/22 Juture: Maximum and more, respectively. Humidity: The RH is luterection and Speed: Direspectively.	clear sky to generally cloudy weather forecasted for one 10 mm rainfall forecasted. inimum temperature likely to be in range of 37-39 °c ikely to be in the range of 47-78 % rection and speed of wind is likely to be W and 27-so be ready for kharif sowing.
Crops		good quality of seeds f	or kharif crops.
•		v	v

Kharif	Pre-sowing	GG-20, GG-	Pre-sowing of groundnut may be done in this
groundnut	Tre-sowing	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,	before sowing is advised.
	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 pulses are advised to select variety GM-4, K-851 ff gren gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pu Falguni for cowpea, BDN-2, GT-100, GTH-1 for pegion pea ar Procure good quality of seeds irrespective of crops for khar 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	feeding. Supple or Amitraz 2 meshould be done. Put curtains on time. Also cov	ide adlib clean drin imentry feeding of v nl/litre of water for Keep fodder in safe west side of poultr	eep animals under well ventilated shade during day king water. Increase the green fodder quantity for vitamins A and D should apply. Spray Deltamethrin the control of tick. Deworming, T.B. and J.D. Testing place to avoid spoilage due to rainfall. y house and sprinkle water on curtains during noon coultry house with grass or gunny bags. In poultry a fogger.

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



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Weather forecast until 08-30 hrs of 22/06/2016

(2) JAMNAGAR DISTRICT:

	18/06/16	19/06/16	20/06/16	21/06/16	22/06/16
Rainfall (mm)	0	0	0	3	5
Max.Temp.(°C)	35	34	34	34	33
Min.Temp.(°C)	28	28	28	28	28
Total CC (octa)	1	3	4	6	7
RH-I (%)	78	78	79	80	80
RH-II (%)	58	55	57	61	55
Wind Speed (kmph)	27	29	26	22	19
Wind Direction(deg.)	264	273	260	267	263

Agro meteorological Advisories:-

General
Advice

- Rain fall: Dry, hot and mainly clear sky to generally cloudy weather forecasted for next five days except on 21/22 June 3 and 5 mm rainfall forecasted.
- **Temperature:** Maximum and minimum temperature likely to be in range of 33-35°c and 28-28°c, respectively.
- Relative Humidity: The RH is likely to be in the range of 57-80 % Wind Direction and Speed: Direction and speed of wind is likely to be W and 28-356 km/h, respectively.
 - Monsoon knocking the door, so be ready for kharif sowing.
 - 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
		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	-	Farmers growing p	ulses are advised to select variety GM-4, K-851 for
		gren gram, T-9, C	U-1 for black gram, Gujarat cowpae-1,2,4, Pusa
		Falguni for cowpe	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
Lady Imgel	oro wing man	Timps, wince my	
Lauy Illiger	ing	Timips, white my	or neem seed oil 50 or neem oil 40 ml and
Lady inigel		Timps, wince my	
Lawy Imgel			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		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
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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
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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	ing 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
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Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean	ing 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	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.
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean Water melon	Flowering/Fr uiting Growing/fruit ing 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.
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 1 1 1
			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 &	$\frac{\mathbf{Thrips}}{\mathbf{Thrips}} \rightarrow$	In present weather conditions severe attack of
	fruiting		thrips has been reported. Spray 20 ml profenofos
			in 10 litres of water.
Cucumber	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
S	ing		of neem seed on 30 of neem on 40 m and
S	Ing		acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
S	mg		
Livestock	_	weather condition k	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at
	Under present		acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
Livestock	Under present time and provi	ide adlib clean drin	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for
Livestock	Under present time and provi feeding. Suppli	ide adlib clean drin	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for itamins A and D should apply. Spray Deltamethrin
Livestock	Under present time and provi feeding. Suppli or Amitraz 2 n	ide adlib clean dring imentry feeding of v nl/litre of water for	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for itamins A and D should apply. Spray Deltamethrin the control of tick. Deworming, T.B. and J.D. Testing
Livestock	Under present time and provi feeding. Suppli or Amitraz 2 n should be done.	ide adlib clean dring imentry feeding of vollitre of water for the Keep fodder in safe j	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for itamins A and D should apply. Spray Deltamethrin the control of tick. Deworming, T.B. and J.D. Testing place to avoid spoilage due to rainfall.
Livestock	Under present time and provi feeding. Suppli or Amitraz 2 n should be done. Put curtains on	ide adlib clean dring imentry feeding of voll/litre of water for Keep fodder in safe parts west side of poultry	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for itamins A and D should apply. Spray Deltamethrin the control of tick. Deworming, T.B. and J.D. Testing place to avoid spoilage due to rainfall. y house and sprinkle water on curtains during noon
Livestock	Under present time and proving feeding. Supplie or Amitraz 2 m should be done. Put curtains on time. Also cov	ide adlib clean dring imentry feeding of voll/litre of water for Keep fodder in safe parts west side of poultry	acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval eep animals under well ventilated shade during day king water. Increase the green fodder quantity for itamins A and D should apply. Spray Deltamethrin the control of tick. Deworming, T.B. and J.D. Testing place to avoid spoilage due to rainfall. It is a possible to avoid spoilage due to rainfall. It is a possible water on curtains during noon coultry house with grass or gunny bags. In poultry

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



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



Phone: (0281)2784260(O), 2331686(R) Fax: (0281)2784722, Cell:94277 28523

Agro met Advisory Service bulletin No.-23 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 18th to 22ND June - 2016)

Weather forecast until 08-30 hrs of 22/06/2016

(3) AMRELI DISTRICT:

	18/06/16	19/06/16	20/06/16	21/06/16	22/06/16
Rainfall (mm)	0	0	0	10	10
Max.Temp.(°C)	38	38	39	39	36
Min.Temp.(°C)	28	28	28	27	27
Total CC (octa)	1	4	6	7	8
RH-I (%)	75	74	75	76	76
RH-II (%)	47	45	46	53	50
Wind Speed (kmph)	23	23	24	17	17
Wind Direction(deg.)	265	279	269	278	270

Agro meteorological Advisories:

General
Advice

- Rain fall: Dry, hot and mainly clear sky to generally cloudy weather forecasted for next five days
- **Temperature:** Maximum and minimum temperature likely to be in range of 36-39°C and 27-28°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 45-76 %
- Wind Direction and Speed: Direction and speed of wind is likely to be W and 17-24 km/h, respectively.
 - Monsoon knocking the door, so be ready for kharif sowing.
 - Carry out preparatory tillage for kharif crops.
- Procure good quality of seeds for kharif crops.

	0 1 V		<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.	
Pearl	-	GHB-	Procure good quality of seeds for kharif sowing
millet		558,577,538,719,7	
		32,744	
Pulses	-	Farmers growing pu	alses are advised to select variety GM-4, K-851 for
		gren gram, T-9, G	U-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.	
Lady finger	Growing/fruit	Thrips, white fly	To control them spray neem seed extract 500 ml
Lady finger	l .	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	± •
Lady finger	l .	Thrips, white fly	or neem seed oil 50 or neem oil 40 ml and
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	ing Flowering/Fr		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
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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.
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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	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	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 Fruiting	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
Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd Cluster bean Water melon	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
Chili	Flowering & fruiting	Thrips →	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
Livestock & poultry	Under present weather condition keep animals under well ventilated shade during day time and provide adlib clean drinking water. Increase the green fodder quantity for feeding. Supplimentry feeding of vitamins A and D should apply. Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing should be done. Keep fodder in safe place to avoid spoilage due to rainfall. 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.

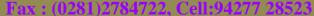


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Agro met Advisory Service bulletin No.-23 for the Rajkot district

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

(Period 18th to 22ND June - 2016)

Weather forecast until 08-30 hrs of 22/06/2016

(4) SURENDRANAGAR DISTRICT:

	18/06/16	19/06/16	20/06/16	21/06/16	22/06/16
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	39	39	38	38	37
Min.Temp.(°C)	28	28	28	29	29
Total CC (octa)	0	3	4	6	8
RH-I (%)	73	73	74	73	73
RH-II (%)	39	40	41	40	36
Wind Speed (kmph)	24	25	26	20	20
Wind Direction(deg.)	258	267	263	272	271

Agro meteorological advisories:

General
Advice

- Rain fall: Dry, hot and mainly clear sky to generally cloudy weather forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 37-39°C and 28-29°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 39-74 %
- **Wind Direction and Speed**: Direction and speed of wind is likely to be W and 25-31 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.

Crops	Stage	Insect/Pest/Variet	Advisory
		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
			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
Deali	, 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			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

			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 &	$\overline{ extbf{Thrips}} \rightarrow$	In present weather conditions severe attack of	
	fruiting		thrips has been reported. Spray 20 ml profenofos	
			in 10 litres of water.	
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	weather condition k	eep animals under well ventilated shade during day	
& poultry	time and provide adlib clean drinking water. Increase the green fodder quantity for			
ec pourtry				
	feeding. Supplimentry feeding of vitamins A and D should apply. Spray Deltamethrin			
	or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing			
The state of the s	should be done.			
	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.			
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Technical Officer, GKMS Unit, DFRS, JAU, Targhadia.