

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉતર સૌરાષ્ટ્રખેત આબોહવાકીય વિભાગ



તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫

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

કૃષિહ્વામાન બુલેટીન નં. <mark>૫८q२०१५</mark>

પાછલા અઠવાડીયાનું રાજકોટનું ફવામાન

હવામાન પરિબળો	ઉતરસૌરષ્ટ્ર
વરસાદ(મી.મી.)	0.0
મહતમ તાપમાન (સે.ગ્રે)	36.8-38.4
લઘુતમ તાપમાન (સે.ગ્રે)	23.0-24.2
ભેજ(%) સવાર	63-81
ભેજ(%) બપોરબાદ	36-51
પવનની ગતિ (કિમી/કલાક)	2.0-3.4

ફવામાન આગાફી: પત્રક-ક

ઉતર સૌરાષ્ટ્રખેત આબોઠવાકીય વિભાગ-ઠવામાન આગાઠી

તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫

કૃષિ સલાહ:

સામાન્ય

ભારતસરકારશ્રીના 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.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫ દરમ્યાન ફવામાન સુકું, ગરમ અને અંશત: વાદળછાયું રફેશે અને વરસાદની શક્યતા નથી. પવનની દિશા પશ્ચિમ અને વાયવ્યની રફેવાની અને પવનની ઝડપ ૧૨ થી ૧૫ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૮-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૫ થી ૨૫ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	૧૭-૧૦-૧૫	१८-१०-१५	૧૯-૧૦-૧૫	૨૦-૧૦-૧૫	૨૧-૧૦-૧૫
વરસાદ(મી.મી)	0	0	0	0	0
મહ્તમ તાપમાન (સે.ગ્રે)	39	39	39	38	38
લધુતમ તાપમાન (સે.ગ્રે)	25	25	25	25	25
વાદળની સ્થિતિ(ઓકટા)	2	2	1	1	1

મહ્તમ ભેજ (%) સવાર	53	55	61	71	76
લઘુતમ ભેજ (%) બપોરબાદ	32	31	31	35	37
પવનની ગતિ (કિમી/કલાક)	13	14	15	13	12
પવનની દિશા (ડીગ્રી)	286	329	321	322	305

જામનગર: જીલ્લામાં આગામી તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫ દરમ્યાન હવામાન સુકું, અંશત: વાદળછાયું રહેશે અને વરસાદની શક્યતા નથી . પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૭ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૪ થી ૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	૧૭-૧૦-૧૫	१८-१०-१५	૧૯-૧૦-૧૫	૨૦-૧૦-૧૫	૨૧-૧૦-૧૫
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	33	33	32	32	32
લઘુતમ તાપમાન (સે.ગ્રે)	25	25	25	24	24
વાદળની સ્થિતિ(ઓકટા)	1	1	1	0	0
મહતમ ભેજ (%) સવાર	61	63	70	76	80
લઘુતમ ભેજ (%) બપોરબાદ	37	36	38	42	43
પવનની ગતિ (કિમી/કલાક)	17	17	15	13	12
પવનની દિશા (ડીગ્રી)	320	323	321	309	290

અમરેલી: જીલ્લામાં આગામી તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫ દરમ્યાન ફવામાન સુકું, ગરમ, , અંશત: વાદળછાયું અને વરસાદની શક્યતા નથી. પવનની દિશા પશ્ચિમ અને વાયવ્યની રફેવાની અને પવનની ઝડપ ૧૧ થી ૧૪ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૮-૩૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૩ થી ૨૩ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	૧૭-૧૦-૧૫	१८-१०-१५	૧૯-૧૦-૧૫	૨૦-૧૦-૧૫	૨૧-૧૦-૧૫
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	39	39	38	38	38
લઘુતમ તાપમાન (સે.ગ્રે)	23	23	23	23	23
વાદળની સ્થિતિ(ઓકટા)	2	1	1	1	1
મહતમ ભેજ (%) સવાર	50	52	58	66	70
લઘુતમ ભેજ (%) બપોરબાદ	34	33	33	36	39
પવનની ગતિ (કિમી/કલાક)	11	13	12	14	14
પવનની દિશા (ડીગ્રી)	253	329	290	329	318

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫ દરમ્યાન હવામાન સુકું, ગરમ, અંશત: વાદળછાયું અને વરસાદની શક્યતા નથી. પવનની દિશા વાયવ્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૮-

3૯ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૩ થી ૨૩</mark> ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-ર	દિવસ-૩	દિવસ-૪	દિવસ-પ
પેરામીટર	૧૭-૧૦-૧૫	१८-१०-१५	૧૯-૧૦-૧૫	૨૦-૧૦-૧૫	૨૧-૧૦-૧૫
વરસાદ(મી.મી)	0	0	0	0	0
મહતમ તાપમાન (સે.ગ્રે)	39	39	38	38	38
લઘુતમ તાપમાન (સે.ગ્રે)	23	23	23	23	23
વાદળની સ્થિતિ(ઓકટા)	1	0	1	1	1
મહતમ ભેજ (%) સવાર	46	46	51	62	68
લઘુતમ ભેજ (%) બપોરબાદ	24	23	24	28	30
પવનની ગતિ (કિમી/કલાક)	14	12	13	11	11
પવનની દિશા (ડીગ્રી)	321	323	317	304	288

- આગામી તા.૧૭-૧૦-૨૦૧૫ થી તા.૨૧-૧૦-૨૦૧૫ દરમ્યાન હવામાન સુકું, ગરમ, , અંશત: વાદળછાયું અને વરસાદની શક્યતા નથી.
 - આ હવામાન પરિસ્થિતિમાં કપાસ અને શાકભાજી પાકોમાં લીલી પોપટી, સફેદ માખી અને મીલીબગ જેવી જીવાતોનો ઉપદ્રવ વધવાની શક્યતા હોવાથી પાકનું સતત નિરીક્ષણ કરતા રહીને જરૂરીયાત મુજબ પાક સંરક્ષણના પગલા ભરવા.
- તલ, બાજરી અને કઠોળ પાકોની કાપણી થય ગયેલ હોય તો તે જમીનમાં યણા અથવા રાયડાના પાકનું વાવેતર કરવું.
- કપાસ અને શાકભાજી પાકોને જરૂરિયાત મુજબ ટીપા પધ્ધતિથી પિયત આપવું.

મુખ્ય	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ
	-113 31-11-311		•
પાક			(૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
લસણ	વાવેતર	ગુજરાત લસણ-૨,૪,૫ અથવા	પાયામાં ૨૫ કી.ગ્રા. નાઈટ્રોજન, ૫૦ કી.ગ્રા. ફોસ્ફોરસ,
		સ્થાનિક જાત	૫૦ કી.ગ્રા. પોટાશ અને ૨૫૦ કી.ગ્રા. એરંડીનો ખોળ પ્રતિ હેક્ટર મુજબ આપી વાવણી કરવી.
ચણા	વાવેતર	ગુજરાત યણા-૨,૩,	પાયામાં ૨૦ કી.ગ્રા. નાઈટ્રોજન, ૪૦ કી.ગ્રા. ફ્રોસ્ફ્રોરસ, પ્રતિ હેક્ટર મુજબ આપી ચણાની વાવણી કરવી. વાવેતર વખતે ચણાના બીજને ૨૫૦ ગ્રામ રાઈઝોબીયમ કલ્ચરનો પ્રતિ ૧૦ કી.ગ્રા. મુજબ પટ આપવો.
રાથડો	વાવેતર	રાય વરુણા અને ગુજરાત -3	પાયામાં ૩૦ કી.ગ્રા. નાઈટ્રોજન, ૩૦ કી.ગ્રા. ફ્રોસ્ફ્રોરસ, પ્રતિ હેક્ટર મુજબ આપી રાયડાની વાવણી કરવી.

કપાસ	યાંપવા બેસવા,	લીલી પોપટી, સફેદ માખી	લીલી પોપટી, સફેદ માખી અને મીલીબગના નિયંત્રણ માટે
	કુલ અને જીંડવા	\rightarrow	એસીફેટ ૧૫ ગ્રામ અથવા ઈમીડાક્લોપ્રીડ ૧૭.૮ ટકા ૫ .લી.
	ું બંધાવા અને		૧૦ લીટર પાણીમાં મિશ્ર કરી છાંટવી.
	વીણી	મીલી બગ→	,
	,		તેમજ બીવેરિયા બેસીઆના ફૂગનો પાઉડર ૪૦ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરીને સાંજના સમયે છંટકાવ કરવો.
		ખાતર	કપાસના પાકને યુરીયા અને અમોનિયમ સલ્ફેટ ખાતર ૬૦ કી.ગ્રા./ફે. આપવું. તેમજ પિયત આપવું.
એરંડા	વૃધ્ધિ, કુલ અને	લીલી પોપટી, સફેદ માખી	લીલી પોપટી અને સફેદ માખીના નિયંત્રણ માટે એસીફેટ
	ગડ બંધાવા	\rightarrow	૧૫ ગ્રામ અથવા ઈમીડાક્લોપ્રીડ ૧૭.૮ ટકા ૫ .લી. ૧૦
			લીટર પાણીમાં મિશ્ર કરી છાંટવી. તેમજ પિયત આપવું.
ડુંગળી	ધરું/પાક કાપણી	પીળી પત્તી, તળાજા લાલ,	શિયાળુ ડુંગળી માટે ધરું તૈયાર કરવા ૧૦-૧૨
		એગ્રી ફાઉંડ ડાર્ક રેડ, પૂસા	કી.ગ્રા.બીજ/ફે. ગાદી ક્યારા બનાવીને વાવેતર કરવું. બીજને
		સફેદ,	કેપ્ટન/થાયરમ દવાનો ૨-૩ ગ્રામ/કી.ગ્રા. પ્રમાણે પટ
		مندید (در	આપવો.
		જાંબલી ધાબા	ડુંગળીના પાકમાં જાંબલી ધાબાના રોગના નિયંત્રણ માટે
			મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ૨૭ ગ્રામ અથવા
		1 Section	ફ્રોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના અંતરે ત્રણ છંટકાવ
			કરવા.
વેલાવાળા	ફૂલ અને ફળ	તાલછારોv▶	મેન્કોઝેબ ૨૭ ગ્રામ <mark>અથવા</mark> ક્લોરોથેલોનીલ૨૭ ગ્રામ
શાકભાજી			અથવાફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના અંતરે ત્રણ
			છંટકાવ કરવા.
			વહેલું વાવેતર કરેલ શાકભાજી પાકમાં યુસીયા પ્રકારની
			જીવાતનો ઉપદ્રવ થવાની શક્યતા છે તેના નિયંત્રણ માટે
			ડાયમીથોએટ (૪૦%) અથવા મિથાઈલ-ઓ-ડીમોટોન(૨૫%),
0 0			૧૦ મીલી દવાનો ૧૦ લીટર પાણીમાં ભેળવી છંટકાવ કરવો.
રીંગણી	કુલ/ફળ	સફેદ માખી	> લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫
અને ટમેટી			ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર
			કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ હોય તો
			એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર
			કરી છંટકાવ કરવો.
		ડુંખ અને	> ફળ અને ડોકાની ઈયળોનો ઉપદ્રવ હોય તો નુકશાન
		ફળ કોરી ખાનાર ઈયળ	પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને
		\rightarrow	રીનાક્ષીપાયર દવા ૩ મિલી ૧૦ લીટર પાણીમાં મિશ્ર

		કથીરી →	કરીને છંટકાવ કરવો. > રીંગણી અને ટમેટીના પાકમાં પાન કથીરીના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
મરચી	કુલ/ફળ	પાનની કુકડ-થ્રીપ્સ→	પ્રોફેનોફોસ ૨૦ મી.લી.અને લીંબોળીનું તેલ ૫૦ મીલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો. વાયરસના કારણે પીળા થઈ કુક્ડાય ગયેલ છોડ ઉપાડી
		પાનની કુકડ-વાચરસ→	તેનો જમીનમાં દાટી નાશ કરવો. ત્યાં સફેદ માખીથી ફેલાતો હોવાથી તેના નિયંત્રણ માટે હોસ્ટાથીયોન દવા ૨૦ મી.લી./૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
ભીંડા	કુલ/ફળ	યુસીયાતથા કુંખ અને ફળ કોરી ખાનાર ઈયળ →	તેના નિયંત્રણ માટે એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી /૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો. વધુ ઉપદ્રવ હોય તો ટ્રાયાઝોફોસ ૪૦ ટકા ૨૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
		કથીરી →	ભીંડાના પાકમાં પામ કથીરીના નિયંત્રણ માટે પ્રોપરગાઈટ દ વા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
ગુવાર	વૃધ્ધિ/કુલ/શીંગ	થ્રીપ્સ,સફેદ માખી	લીંબોળીનો અર્ક ૫૦૦ મીલી અથવા લીંબોળીનું તેલ ૫૦ મીલીનો છંટકાવ ૧૫ દિવસના અંતરે ચાર વખત કરવો.વધુ ઉપદ્રવ હોય તો ટ્રાયઝોફ્રોસ ૪૦ ટકા ૨૦ મિલી /૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
<mark>લીંબુ</mark>	-	બદામી ટપકા પાનકોરીચું	કોપરઓક્ઝીક્લોરાઈડ ૪૦ ગ્રામ અને ૧.૫ ગ્રામ સ્ટ્રેપ્ટોસાયકલીનના બે છંટકાવ ૧૫ દિવસના ગાળે કરવા ડીડીવીપી ૧૦ મી.લી. ૧૦ લી. પાણીમાં મિશ્ર કરી છાંટવી.
પશુ/મર ધા	લીટર પાણીમાં ન પશુઓમાં બૃસેલ્લ	ાખીને છાંટવી. વિટામીન એ તથ ૫ કાફ્વુંડનું રસીકરણ કરાવવું	ડીનાનિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાઝ ર મી.લી. ૧ ૫ ડી પુરકો આપવા. કરમિયાની દવા આપવી તથા ઉછરતા . તાપ અને ગરમ હવમાનમાં પશુઓને છાયડામાં હવા પદ્રવથી બચવા ફીનાઈલ છાંટવું.

જા.નં.જુકૃથુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૫ તરઘડિયા(રાજકોટ),તારીખ: ૧૬/૧૦/૨૦૧૫.

પ્રતિ,

તંત્રીશ્રી/ડાયરેકટરશ્રી,

રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાયાર પત્રોમાં, રેડીયોમાં ગામના યોરાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૃત્યે પ્રસિધ્ધ કરાવવા નમ્ર વિંનતી છે. સહકારની અપેક્ષા સહ આભાર.

> સંશોધન વૈજ્ઞાનિક (સુકી ખેતી) જુનાગઢ કૃષિ યુનિવર્સીટી તરધડીયા



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



Fax: (0281)2784722, Cell: 94277 28523

Agro met Advisory Service bulletin No.-58 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 17th to 21st October - 2015)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	36.8-38.4
Minimum temperature (°C)	23.0-24.2
Relative Humidity (%) I	63-81
Relative Humidity (%) II	36-51
Wind speed (Kmph)	2.0-3.4

Weather forecast until 08-30 hrs of 21/10/2015

(1) RAJKOT DISTRICT:

	17/10/15	18/10/15	19/10/15	20/10/15	21/10/15
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	39	39	39	38	38
Min.Temp.(°C)	25	25	25	25	25
Total CC (octa)	2	2	1	1	1
RH-I (%)	53	55	61	71	76
RH-II (%)	32	31	31	35	37
Wind Speed (kmph)	13	14	15	13	12
Wind Direction(deg.)	286	329	321	322	305

Agro meteorological Advisories:

General	
Advice	

- Rain fall: Dry, hot and clear to mainly clear sky and no rain fall forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 38-39°c and 25-25°c, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 31-76 %
- Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 12-15 km/h, respectively.
- Under present weather condition there are chances for infestation of pestjassids, whitefly and diseases in field crops. So monitor the crops and if infestation observe above ETL then take control measures accordingly.
- · Sowing of chickpea and mustard should be done where sesame/pearl millet

	crop harvested and field is fallow.Apply irrigation to cotton and vegetable crops through drip system.					
Crops	Stage	Insect/Pest/Variet	Advisory			
Garlic	Sowing	Gujarat Garlic-4 or Local	Carry out sowing of Garlic, If kharif crop is harvested. Apply 25-50-50 kg N-P-K/ha along with casto cake 250 kg/ha as basal. Carry out sowing of Gram, If kharif crop is harvested. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/ kg and after that with crop-specific <i>Rhizobium</i> culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with <i>Rhizobium</i> should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.			
Chick pea	Sowing	Gujarat chana-2 (Unirrigated), Gujarat chana-3 (irrigated)				
Mustard	Sowing	Varuna, Gujarat rai-3	Carry out sowing of Mustard with application of 30-30-00 kg N-P-K/ha as basal. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/kg			
Kharif groundnut	Harvesting	-	-			
Cotton	Ball formation, Developmen and Brusting	Jassid, white fly, mealy bug	Under present weather condition serious infestation of jassid and whitefly observed. Spray Imidacloprid 17.8 % 5 ml or Thiomethoxam 6 gram in 10 liters of water.			
		→ Moisture srress Yellowing	Irrigate the crops through drip system or irrigate alternate bad only through flood irrigation.			
Onion	Sowing for seedling/ T.P./growth/ Harvesting of kharif onion	Junagadh local (pili patti), Talaja red, Agri found dark red, pusa white flat	Weather is suitable for sowing of <i>rabi</i> onion. Seed rate 10-12 kg\ha. Before sowing seeds should be treated with Captan @ 2.5 g/ kg of seeds.			
		Purple blotch →	Spray Mencozeb 25 gm and hexaconazole 15 ml			

			in 10 liters of water at 10 days interval.
Castor	Vegetative & reproductive	Jassid, Whitefly →	Spray Thiomethoxam 25 % WG @ 4 g / 10 lit of water
Lady's finger	Flowering/ fruiting	Shoot and fruit borer Mites	Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of propargite @ 1 ml/litre of water is advised.
Pea & Carrot for Vegetable	Sowing	Pusa Pragati Pusa Rudhira and Pusa Kesar	Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/ kg
Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer	To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 20 ml Trizophos in 10 liters of water at 15 days In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.
Cabbage and cauliflower	Growth & fruiting	Diamond back moth	If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against diamond back moth in cauliflower and cabbage.
Chili	Flowering & fruiting	Leaf curling Thrips→ Virus→	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofosin10 litres of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advisedfor control the vector, when sky remains clear.
Livestock & poultry	prevention of Provide 6-8 kg	foot & mouth disea	ml/litre of water for the control of tick and for se in animals do vaccination with FMD vaccine. hage with 15-20 kg green fodder to the animals. Spray



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

Agro met Advisory Service bulletinNo.-58 for the Jamnagar district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 17th to 21st October - 2015)

Weather forecast until 08-30 hrs of 21/10/2015

(2) JAMNAGAR DISTRICT:

	17/10/15	18/10/15	19/10/15	20/10/15	21/10/15
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	33	33	32	32	32
Min.Temp.(°C)	25	25	25	24	24
Total CC (octa)	1	1	1	0	0
RH-I (%)	61	63	70	76	80
RH-II (%)	37	36	38	42	43
Wind Speed (kmph)	17	17	15	13	12
Wind Direction(deg.)	320	323	321	309	290

A

A g	ro meteor	ological Advis	sories:-					
	General Advice	 Rain fall: days. Temperature and 24-25°C Relative Howard Direct 12-17 km/h Under presides jassids, whinfestation Sowing of crop harve 	Dry and clear to main are: Maximum and not, respectively. umidity: The RH is loction and Speed: Dire, respectively. sent weather conditionately and disease observe above ETL chickpea and must sted and field is fallowed.	ninimum temperature likely to be in range of 32-33 ikely to be in the range of 37-80 % rection and speed of wind is likely to be NW, W and ition there are chances for infestation of pestes in field crops. So monitor the crops and if then take control measures accordingly. tard should be done where sesame/pearl millet ow. vegetable crops through drip system.				
	Crops	Stage	Insect/Pest/Variet	Advisory				
	•	v						
	Garlic	Sowing	Gujarat Garlic-4 or Local	Carry out sowing of Garlic, If kharif crop is harvested. Apply 25-50-50 kg N-P-K/ha along with castor cake 250 kg/ha as basal.				

Chick pea	Sowing	Gujarat chana-2 (Unirrigated), Gujarat chana-3 (irrigated)	Carry out sowing of Gram, If kharif crop is harvested. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/ kg and after that with crop-specific <i>Rhizobium</i> culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with <i>Rhizobium</i> should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.
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Kharif groundnut	Harvesting	-	-
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Castor	Vegetative & reproductive	Jassid, Whitefly →	Spray Thiomethoxam 25 % WG @ 4 g / 10 lit of water			
Lady's finger	Flowering/ fruiting	Shoot and fruit borer Mites	Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of propargite @ 1 ml/litre of water is advised.			
Pea & Carrot for Vegetable	Sowing	Pusa Pragati Pusa Rudhira and Pusa Kesar	Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/ kg			
Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer	To control sucking pest spray neem seed extract % or neem seed oil 50 ml and 20 ml Trizophos in 10 liters of water at 15 days. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acreadvised, If insect population is above ETL that spraying of Spinosad 3.0 ml/10 litre of water advised against fruit borer.			
Cabbage and cauliflower	Growth & fruiting	Diamond back moth	If insect population is above ETL than spraying o Spinosad 3.0 ml/10 litre of water is advised agains diamond back moth in cauliflower and cabbage.			
Chili	Flowering & fruiting	Leaf curling Thrips→ Virus→	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofosin10 litres of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10litre of water is advisedfor control the vector, when sky remains clear.			
Livestock & poultry	prevention of Provide 6-8 kg	foot & mouth disea	ml/litre of water for the control of tick and for se in animals do vaccination with FMD vaccine. thage with 15-20 kg green fodder to the animals. Spray			



Gramin Krushi Mausam Seva Main Dry Farming Research Station Junagadh Agricultural University Targhadia (Rajkot) - 360 003



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

Agro met Advisory Service bulletin No.58 for the Amreli district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 17th to 21st October - 2015)

Weather forecast until 08-30 hrs of 21/10/2015

(3) AMRELI DISTRICT:

	17/10/15	18/10/15	19/10/15	20/10/15	21/10/15
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	39	39	38	38	38
Min.Temp.(°C)	23	23	23	23	23
Total CC (octa)	2	1	1	1	1
RH-I (%)	50	52	58	66	70
RH-II (%)	34	33	33	36	39
Wind Speed (kmph)	11	13	12	14	14
Wind Direction(deg.)	253	329	290	329	318

Agro meteorological Advisories:

General
Advice

- Rain fall: Dry, hot and mainly clear sky and no rain fall forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range of 38-39 and 23-23 °c, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 33-70 %
- **Wind Direction and Speed**: Direction and speed of wind is likely to be W,NW and 12-14 km/h, respectively.
- Under present weather condition there are chances for infestation of pestjassids, whitefly and diseases in field crops. So monitor the crops and if infestation observe above ETL then take control measures accordingly.
- Sowing of chickpea and mustard should be done where sesame/pearl millet crop harvested and field is fallow.

• Apply irrigation to cotton and vegetable crops through drip system.

Crops	Stage	Insect/Pest/Variet	Advisory
•	S	y	ů
Garlic	Sowing	Gujarat Garlic-4	Carry out sowing of Garlic, If kharif crop is
		or Local	harvested.
			Apply 25-50-50 kg N-P-K/ha along with castor
			cake 250 kg/ha as basal.
Chick pea	Sowing	Gujarat chana-2	Carry out sowing of Gram, If kharif crop is
_	_	(Unirrigated),	harvested.
		Gujarat chana-3	Seed should be treated with
		(irrigated)	fungicides, Captan or Thiram @ 2.0 gm/ kg and

			after that with crop-specific <i>Rhizobium</i> culture. A solution of jaggary and water after boiling shoul be allowed to cool down and then seeds alon with <i>Rhizobium</i> should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.			
Mustard	Sowing	Varuna, Gujarat rai-3	Carry out sowing of Mustard with application of 30-30-00 kg N-P-K/ha as basal. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/kg			
Kharif groundnut	Harvesting	-	-			
Cotton	Ball formation, Developmen and Brusting	Jassid, white fly, mealy bug	Under present weather condition serious infestation of jassid and whitefly observed. Spray Imidacloprid 17.8 % 5 ml or Thiomethoxam 6 gram in 10 liters of water.			
		→ Moisture srress Yellowing	Irrigate the crops through drip system or irrigate alternate bad only through flood irrigation.			
Onion	Sowing for seedling/ T.P./growth/ Harvesting of kharif onion	Junagadh local (pili patti), Talaja red, Agri found dark red, pusa white flat	Weather is suitable for sowing of <i>rabi</i> onion. Seed rate 10-12 kg\ha. Before sowing seeds should be treated with Captan @ 2.5 g/ kg of seeds.			
		Purple blotch →	Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.			
Castor	Vegetative & reproductive	Jassid, Whitefly →	Spray Thiomethoxam 25 % WG @ 4 g / 10 lit of water			
Lady's finger	Flowering/ fruiting	Shoot and fruit borer	Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray)			

		Mites	Spraying of propargite @ 1 ml/litre of water is advised.			
Pea &	Sowing	Pusa Pragati	Seed should be treated with			
Carrot for		Pusa Rudhira and	fungicides, Captan or Thiram @ 2.0 gm/ kg			
Vegetable		Pusa Kesar				
Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer	To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and 20 ml Trizophos in 10 liters of water at 15 days In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.			
Cabbage and cauliflower	Growth & fruiting	Diamond back moth	If insect population is above ETL than spraying Spinosad 3.0 ml/10 litre of water is advise against diamond back moth in cauliflower are cabbage.			
Chili	Flowering & fruiting	Leaf curling Thrips→ Virus→	In present weather conditions severe attack of thrips has been reported. Spray 20 ml profenofosin10 litres of water. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and buried in the soil. After rouging, spraying of Imidacloprid @ 5 ml per 10 litre of water is advised for control the vector, when sky remains clear.			
Livestock	Spray Deltame	ethrin or Amitraz 2	ml/litre of water for the control of tick and for			
& poultry			se in animals do vaccination with FMD vaccine.			
653	Provide 6-8 kg		hage with 15-20 kg green fodder to the animals. Spray			

TechnicalOfficer, GKMS Unit, DFRS, JAU, Targhadia.



Gramin Krushi Mausam Seva

Main Dry Farming Research Station
Junagadh Agricultural University

Tarabadia (Paikat) 360 003



Fax : (0281)2784722, Cell:94277 28523



Agro met Advisory Service bulletin No.-58 for the Surendranagar district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)
(Period 17th to 21st October - 2015)

Weather forecast until 08-30 hrs of 21/10/2015

(4) SURENDRANAGAR DISTRICT:

	17/10/15	18/10/15	19/10/15	20/10/15	21/10/15
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	39	39	38	38	38
Min.Temp.(°C)	23	23	23	23	23
Total CC (octa)	1	0	1	1	1
RH-I (%)	46	46	51	62	68
RH-II (%)	24	23	24	28	30
Wind Speed (kmph)	14	12	13	11	11
Wind Direction(deg.)	321	323	317	304	288

Agro meteorological advisories:

General
Advice

- Rain fall: Dry, hot and clear to mainly clear sky and no rain fall forecasted for next five days.
- **Temperature:** Maximum and minimum temperature likely to be in range 38-39 and 23-23 °c, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 23-68 %
- **Wind Direction and Speed**: Direction and speed of wind is likely to be NW,W and 11-14 km/h, respectively.
- Under present weather condition there are chances for infestation of pestjassids, whitefly and diseases in field crops. So monitor the crops and if infestation observe above ETL then take control measures accordingly.
- Sowing of chickpea and mustard should be done where sesame/pearl millet crop harvested and field is fallow.

• Apply irrigation to cotton and vegetable crops through drip system.

~	Gri	T 100 1077 1	
Crops	Stage	Insect/Pest/Variet	Advisory
_		\mathbf{y}	•
Garlic	Sowing	Gujarat Garlic-4	Carry out sowing of Garlic, If kharif crop is
		or Local	harvested.
			Apply 25-50-50 kg N-P-K/ha along with castor
			cake 250 kg/ha as basal.
Chick pea	Sowing	Gujarat chana-2	Carry out sowing of Gram, If kharif crop is
		(Unirrigated),	harvested.
		Gujarat chana-3	Seed should be treated with
		(irrigated)	fungicides, Captan or Thiram @ 2.0 gm/ kg and

			after that with crop-specific <i>Rhizobium</i> culture. A solution of jaggary and water after boiling should be allowed to cool down and then seeds along with <i>Rhizobium</i> should be thoroughly mixed. The mixture should be allowed to dry in a shade. It is highly recommended that the treated seeds should be sown after 24 hours of treatment.
Mustard	Sowing	Varuna, Gujarat rai-3	Carry out sowing of Mustard with application of 30-30-00 kg N-P-K/ha as basal. Seed should be treated with fungicides, Captan or Thiram @ 2.0 gm/ kg
Kharif groundnut	Harvesting	-	
Cotton	Ball formation, Developmen and Brusting	Jassid, white fly, mealy bug	Under present weather condition serious infestation of jassid and whitefly observed. Spray Imidacloprid 17.8 % 5 ml or Thiomethoxam 6 gram in 10 liters of water.
		→ Moisture srress Yellowing	Irrigate the crops through drip system or irrigate alternate bad only through flood irrigation.
Onion	Sowing for seedling/ T.P./growth/ Harvesting of kharif onion	Junagadh local (pili patti), Talaja red, Agri found dark red, pusa white flat	Weather is suitable for sowing of <i>rabi</i> onion. Seed rate 10-12 kg\ha. Before sowing seeds should be treated with Captan @ 2.5 g/ kg of seeds.
		Purple blotch →	Spray Mencozeb 25 gm and hexaconazole 15 ml in 10 liters of water at 10 days interval.
Castor	Vegetative & reproductive	Jassid, Whitefly →	Spray Thiomethoxam 25 % WG @ 4 g / 10 lit of water
Lady's finger	Flowering/ fruiting	Shoot and fruit borer	Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray)

Carrot for Vegetable Pusa Rudhira and Pusa Kesar Flowering/ Fruiting Pusa Rudhira and Pusa Kesar Flowering/ Fruiting To control sucking pest spray neem seed extra % or neem seed oil 50 ml and 20 ml Trizopho. 10 liters of water at 15 days. In brinjal and tomato constant monitoring borers by using pheromone traps 4-6 per acradvised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer. Cabbage and fruiting Diamond back moth If insect population is above ETL than spraying Spinosad 3.0 ml/10 litre of water is advised against fruit borer. Chili Flowering & fruiting In present weather conditions severe attack thrips has been reported. Spray 20 profenofosin10 litres of water. Virus→ In present weather conditions, rouging of vinfested crop should be done in chilli. Inferplants should be uprooted and buried in the safter rouging, spraying of Imidacloprid @ 5 per 10 litre of water is advised for control			Mites	Spraying of propargite @ 1 ml/litre of water is	
Carrot for Vegetable Pusa Rudhira and Pusa Kesar Flowering/ Fruiting Flowering/ Fruiting To control sucking pest spray neem seed extra % or neem seed oil 50 ml and 20 ml Trizopho. 10 liters of water at 15 days. In brinjal and tomato constant monitoring borers by using pheromone traps 4-6 per acradvised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer. Cabbage and cauliflower Growth & fruiting Diamond back moth If insect population is above ETL than spraying of spinosad 3.0 ml/10 litre of water is advised against fruit borer. Chili Flowering & fruiting Leaf curling Thrips→ In present weather conditions severe attack thrips has been reported. Spray 20 profenofosin10 litres of water. Virus→ Virus→ In present weather conditions, rouging of vinfested crop should be done in chilli. Inferplants should be uprooted and buried in the safter rouging, spraying of Imidacloprid @ 5 per 10 litre of water is advised for control	D 0	g .	D D .:		
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infested crop should be done in chilli. Inferplants should be uprooted and buried in the After rouging, spraying of Imidacloprid @ 5 per 10litre of water is advised for control			Virus→	In present weather conditions, rouging of viral	
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After rouging, spraying of Imidacloprid @ 5 per 10litre of water is advised for control				plants should be uprooted and buried in the soil.	
per 10litre of water is advised for control				After rouging, spraying of Imidacloprid @ 5 ml	
vector, when sky remains crear.				vector, when sky remains clear.	
·	Livestock	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick and for			
& poultry prevention of foot & mouth disease in animals do vaccination with FMD vacc	& poultry	prevention of foot & mouth disease in animals do vaccination with FMD vaccine.			
Provide 6-8 kg good quality dry roughage with 15-20 kg green fodder to the animals. Sphenyl in the animal shed to avoid flys and mosquitoes.					

TechnicalOfficer, GKMS Unit, DFRS, JAU, Targhadia.