



ग्रामीण कृषि मौसम सेवा  
हवामान आगाही आधारीत कृषिसलाह बुलेटीन  
उत्तर सौराष्ट्रभेत आबोहवाकीयविभाग  
ता.२३-०७-२०१६ थी ता.२७-०७-२०१६



(ग्रामीण कृषि मौसमसेवा, सूकी भेती संशोधन केन्द्र, जू.कृ.यु., तरघडिया अने भारत मौसम विभाग द्वारासंपन्न)

कृषिहवामान बुलेटीन नं. 33/2016

पाछला अहवाडीयानुं राजकोटनुं हवामान

हवामान परिबन्धी	
वरसाद(मी.मी.)	8.2
महतम तापमान (से.ग्रे)	29.9-34.1
लघुतम तापमान (से.ग्रे)	23.6-24.0
लेज(%) सवार	80-86
लेज(%) बपोरबाद	53-86
पवननी गति (किमी/कलाक)	9.0-10.2

हवामान आगाही: पत्रक-६

उत्तर सौराष्ट्रभेत आबोहवाकीय विभाग-हवामान आगाही

ता.२३-०७-२०१६ थी ता.२७-०७-२०१६

कृषि सलाह:

सामान्य	<p>भारत सरकारश्रीना हवामान भाता तरइथी मणेल हवामान माहिती अनुसार अत्रेना ग्रामीण कृषि मौसम सेवा विभाग, जूनागढ कृषि युनिवर्सिटी, तरघडीया तरइथी जषाववामां आवे छे के, उत्तर सौराष्ट्र भेत आबोहवाकीय विस्तारना</p> <p><b>राजकोट:</b> जल्लामां आगामी ता. २३-०७-२०१६ थी ता. २७-०७-२०१६ दरभ्यान हवामान लेजवाणुं अने वादणछायुं रहेशे. तेमज ता.२४-२७ दरभ्यान मध्यम वरसादनी शक्यता छे. पवननी दिशा नैऋत्य अने पश्चिमनी रहेवानी अने पवननी झडप १२ थी २१ कीमी/कलाक रहेवानी शक्यता छे. आ समयगाणामां महतम तापमान दिवस दरभ्यान ३३-३४ डीग्री सेल्शियस जेटलुं तेमज लघुतम तापमान रात्री दरभ्यान २५-२६ डीग्री सेल्शियस जेटलुं रहेवानी संभावना छे.</p>																																				
	<table border="1"><thead><tr><th>तारीख</th><th>दिवस-१</th><th>दिवस-२</th><th>दिवस-३</th><th>दिवस-४</th><th>दिवस-५</th></tr><tr><th>पेरामीटर</th><th>२३-०७-१६</th><th>२४-०७-१६</th><th>२५-०७-१६</th><th>२६-०७-१६</th><th>२७-०७-१६</th></tr></thead><tbody><tr><td>वरसाद(मी.मी)</td><td>0</td><td>13</td><td>11</td><td>15</td><td>14</td></tr><tr><td>महतम तापमान (से.ग्रे)</td><td>34</td><td>33</td><td>33</td><td>33</td><td>33</td></tr><tr><td>लघुतम तापमान (से.ग्रे)</td><td>25</td><td>25</td><td>25</td><td>26</td><td>26</td></tr><tr><td>वादणनी स्थिति(ओकटा)</td><td>7</td><td>5</td><td>5</td><td>8</td><td>8</td></tr></tbody></table>	तारीख	दिवस-१	दिवस-२	दिवस-३	दिवस-४	दिवस-५	पेरामीटर	२३-०७-१६	२४-०७-१६	२५-०७-१६	२६-०७-१६	२७-०७-१६	वरसाद(मी.मी)	0	13	11	15	14	महतम तापमान (से.ग्रे)	34	33	33	33	33	लघुतम तापमान (से.ग्रे)	25	25	25	26	26	वादणनी स्थिति(ओकटा)	7	5	5	8	8
तारीख	दिवस-१	दिवस-२	दिवस-३	दिवस-४	दिवस-५																																
पेरामीटर	२३-०७-१६	२४-०७-१६	२५-०७-१६	२६-०७-१६	२७-०७-१६																																
वरसाद(मी.मी)	0	13	11	15	14																																
महतम तापमान (से.ग्रे)	34	33	33	33	33																																
लघुतम तापमान (से.ग्रे)	25	25	25	26	26																																
वादणनी स्थिति(ओकटा)	7	5	5	8	8																																

મહતમ લેજ (%) સવાર	81	83	83	81	81
લઘુતમ લેજ (%) બપોરબાદ	65	62	59	57	56
પવનની ગતિ (કિમી/કલાક)	21	13	12	13	12
પવનની દિશા (ડીગ્રી)	242	238	249	272	273

**જામનગર:** જુલ્લામાં આગામી તા. ૨૩-૦૭-૨૦૧૬ થી તા. ૨૭-૦૭-૨૦૧૬ દરમ્યાન હવામાન લેજવાળું અને વાદળછાયું રહેશે. તેમજ તા.૨૪-૨૭ દરમ્યાન હળવા વરસાદની શક્યતા છે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૩ થી ૨૩ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૧-૩૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૭ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૨૩-૦૭-૧૬	૨૪-૦૭-૧૬	૨૫-૦૭-૧૬	૨૬-૦૭-૧૬	૨૭-૦૭-૧૬
વરસાદ(મી.મી)	0	4	5	5	7
મહતમ તાપમાન (સે.ગ્રે)	31	31	31	31	31
લઘુતમ તાપમાન (સે.ગ્રે)	27	27	27	27	27
વાદળની સ્થિતિ(ઓકટા)	7	6	4	7	8
મહતમ લેજ (%) સવાર	80	82	82	81	81
લઘુતમ લેજ (%) બપોરબાદ	68	67	62	62	60
પવનની ગતિ (કિમી/કલાક)	23	17	13	14	15
પવનની દિશા (ડીગ્રી)	240	242	240	262	264

**અમરેલી:** જુલ્લામાં આગામી તા. ૨૩-૦૭-૨૦૧૬ થી તા. ૨૭-૦૭-૨૦૧૬ દરમ્યાન હવામાન લેજવાળું અને વાદળછાયું રહેશે. તેમજ તા.૨૪-૨૭ દરમ્યાન મધ્યમ વરસાદની શક્યતા છે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૦-૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૫ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૨૩-૦૭-૧૬	૨૪-૦૭-૧૬	૨૫-૦૭-૧૬	૨૬-૦૭-૧૬	૨૭-૦૭-૧૬
વરસાદ(મી.મી)	0	13	11	15	14
મહતમ તાપમાન (સે.ગ્રે)	33	33	32	32	32
લઘુતમ તાપમાન (સે.ગ્રે)	25	25	25	25	25
વાદળની સ્થિતિ(ઓકટા)	7	6	6	8	8
મહતમ લેજ (%) સવાર	82	83	83	82	82
લઘુતમ લેજ (%) બપોરબાદ	65	62	61	59	60
પવનની ગતિ (કિમી/કલાક)	19	12	11	11	10
પવનની દિશા (ડીગ્રી)	245	238	255	267	270

**સુરેન્દ્રનગર:** જીલ્લામાં આગામી તા.૨૩-૦૭-૨૦૧૬ થી તા.૨૭-૦૭-૨૦૧૬ ભેજવાળું અને વાદળછાયું રહેશે. તેમજ તા.૨૪-૨૭ દરમ્યાન હળવા વરસાદની શક્યતા છે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૩-૩૪ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.



તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૨૩-૦૭-૧૬	૨૪-૦૭-૧૬	૨૫-૦૭-૧૬	૨૬-૦૭-૧૬	૨૭-૦૭-૧૬
વરસાદ(મી.મી)	૦	૧૦	૪	૪	૯
મહત્તમ તાપમાન (સે.ગ્રે)	૩૪	૩૩	૩૩	૩૩	૩૩
લઘુત્તમ તાપમાન (સે.ગ્રે)	૨૫	૨૫	૨૫	૨૬	૨૬
વાદળની સ્થિતિ(ઓકટા)	૭	૫	૫	૭	૮
મહત્તમ ભેજ (%) સવાર	૭૯	૮૧	૭૯	૭૫	૭૭
લઘુત્તમ ભેજ (%) બપોરબાદ	૫૮	૫૫	૫૨	૪૮	૫૦
પવનની ગતિ (કિમી/કલાક)	૧૮	૧૧	૧૩	૧૫	૧૨
પવનની દિશા (ડીગ્રી)	૨૩૪	૨૨૫	૨૪૮	૨૬૪	૨૬૦

**૨૭ જુલાઈ સુધી** હવામાન ભેજવાળું અને વાદળછાયું રહેશે. તેમજ હળવા થી મધ્યમ વરસાદની શક્યતા છે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૦ થી ૨૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૩ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

- જે વિસ્તારમાં વાવણી બાકી હોય ત્યાં ખેડૂતોએ હવે ટૂંકા ગાળાના પાકો અને તેની જાતોની વાવેતર માટે પસંદગી કરવી. વેલડી અને અર્ધ વેલડી મગફળી અને કપાસની મોડી પાકતી જાતોનું વાવેતર કરવું નહિ. મોડી વાવણી માટે એરંડા અને તુવેરનું વાવેતર કરી શકાય.
- વાવેતર કરેલ ઉભાપાકમાં જ્યાં વરસાદ ખેંચાય ગયેલ છે ત્યાં જમીનમાં ભેજ જળવાય રહે તે માટે આંતર ખેડ કરવી તેમજ નિદામણ દૂર કરવું અને શક્ય હોય તો મલ્ચીંગ (આવરણ) કરવું.
- પિયતની સગવડ હોય તો હલકું પિયત આપવું.
- નબળા અને રોગીસ્ટ છોડ દૂર કરવા અથવા કાઢી નાખવા.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ
			(૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી )
મગફળી	વરસાદ આધારીત મોડી વાવણી	ઉભડી મગફળી -જીજી-૨, ટીએજી-૨૪, ટીએલજી-૪૫, ટીપીજી-૪૧, ટીજી-૩૭-એ	વાવણી લાયક વરસાદ થયે ઉભડી મગફળી બિયારણ પુરતીજ વાવવી. વાવેતર સમયે સિંગલ સુપર ફોસ્ફેટ ૧૫૬ કી.ગ્રા./હે., એમોનીયમ સલ્ફેટ ૬૨ કી.ગ્રા./હે., અને એરંડીનો ખોળ ૫૦૦ કી.ગ્રા./હે. અથવા ડી.એ.પી. ૫૪ કી.ગ્રા. અને જીપ્સમ ૫૦૦ કી.ગ્રા./હે. સાથે એરંડીનો ખોળ ૫૦૦

			કી.ગ્રા./હે. પાયામાં આપવો. તેમજ ૨.૫ કી.ગ્રા./હે ટ્રાયકોડર્મા ફૂગનો 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.
તુવેર	વાવણી	વરસાદ ખેયાતા હવે વાવણી લાયક વરસાદ થયે બીડીએન-૨ અને વૈશાલી જાતનું વાવેતર કરવું અને પાયામાં ૨૫ કી.ગ્રા. નાઈટ્રોજન અને ૫૦ કી.ગ્રા. ફોસ્ફરસ આપવો.	
તલ	પાક અને જાતની પસંદગી	ગુજરાત તલ- ૨, ગુજરાત તલ- ૩	
બાજરી	પાક અને જાતની પસંદગી	જીએચબી-૫૫૮ જીએચબી-૫૩૮, જીએચબી-૫૭૭, જીએચબી-૭૧૯, જીએચબી-૭૩૨ અને જીએચબી-૭૪૪. તેમજ વાવણી થય ગયેલ હોય ત્યાં પારવણી અને નિંદામણ કરવું.	
કઠોળ પાકો	પાક અને જાતની પસંદગી	ચોમાસું કઠોળ પાકો માટે મગની ગુજરાત મગ-૪ , કે-૮૫૧, અડદની ૪ ગુજરાત અડદ ૧૧૪ ચોળા માટે v ગુજરાત ચોળા ૧૧,૨,૪, પૂસા ફાલ્ગુની,	
શાકભાજી	ધરું(રોપ) ઉછેર /રોપણી	મરચી, ટમેટી, રીંગણ અને કોબીઝના તંદુરસ્ત કરવા (ગ્રીન શેડ નેટમાં અને નેટની ઊંચાઈ ૬.૫ ફૂટ રાખવી) ગાદી ક્યારા બનાવી તેમાં બીજનું વાવેતર કરવું. જો ધરું તૈયાર હોય તો મરચી, ટમેટી, રીંગણ અને કોબીઝની ફેર રોપણી કરાવી	
	વાવેતર	➤ તુરીય, કરેલા, ગલકા, દુધી, પરવળ કાકડી, ગુવાર ભીંડો, ચોળી, તુવેર, વાલ, મુળા, તાંદળજોનું વાવેતર કરવું	
ભીંડા	વૃધ્ધિ/કુલ/ શીંગ	પાન કથીરી	➤ તેના ની ચંત્રણ માટે ડાયકોફોલ ૨૦ મિલી અને લીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
તુરીયા, દુધી,	વૃધ્ધિ/કુલ	પાન કોરીયું , થ્રીપ્સ, સફેદ માખી	➤ લીંબોળીનો અર્ક ૫૦૦ મિલી અથવા લીંબોળીનું તેલ ૫૦ મીલીનો છંટકાવ ૧૫ દિવસના અંતરે ચાર વખત કરવો. વધુ ઉપદ્રવ હોય તો

ગલકા અને કારેલા		તલછારો	<p>એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ / ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p> <p>➤ મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના અંતરે ત્રણ છંટકાવ કરવા.</p>
ગુવાર	વૃદ્ધિ/કુલ/શીંગ	થ્રીપ્સ, સફેદ માખી	<p>➤ તેના નિયંત્રણ માટે એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>
રીંગણી અને ટમેટી	કુલ/ફળ	થ્રીપ્સ, સફેદ માખી, ફળ અને ડોકા કોરી ખાનાર ઈયળ	<p>➤ લીંબોળીનું 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 પાણીમાં ઓગાળી છંટકાવ કરવો.</p>
મરચી	કુલ/ફળ	થ્રીપ્સ 	<p>➤ પ્રોફેનોફોસ 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.</p> 
કાકડી	વૃદ્ધિ/કુલ/ફળ	થ્રીપ્સ, સફેદ માખી	<p>➤ તેના નિયંત્રણ માટે એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>

લીબુ	ફળનો વિકાસ	પાન કથીરી	ઊંચા તાપમાનને કારણે લીબુના બગીચામાં પાન કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
5X1qDZ 3F પશુ/મર ઘા	<p>દુધાળા પશુના આઉને ઝીંક ઓક્સાઈડ અથવા બોરીક પાવડર થી બરાબર સાફ કરવું. તેમજ ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાલ ૨ મી.લી. એક લીટર પાણીમાં નાખીને છાંટવી અને કરમીયાની ગોળી આપવી તેમજ ટીબી અને જે.ડી.ના રોગની પરખ કરાવવી.</p> <p>વરસાદના સમયમાં પશુઓને સુરક્ષિત રાખવા. ચોમાસા દરમ્યાન પશુઓના રહેઠાણની જગ્યાની વ્યવસ્થિત સફાઈ રાખવી અને માખીઓના ઉપદ્રવથી બચવા ફિનાઈલ છાંટવું.</p> <p>ખુલ્લામાં રાખેલ ઘાંસચારો વરસાદથી પલળે/બગડે નહિ તે માટે જરૂરી પગલા ભરવા.</p>		

જુક્યુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૬, તરઘડિયા(રાજકોટ),તારીખ: ૨૨/૦૭/૨૦૧૬.

પ્રતિ,  
તંત્રીશ્રી/ડાયરેક્ટરશ્રી,  
રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં,રેડીયોમાં ગામના ચો રાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્યે પ્રસિધ્ધ કરાવવા નમ્ર વિનંતી છે.સહકારની અપેક્ષા સહ આભાર.

સંશોધન વૈજ્ઞાનિક (સુકી ખેતી)  
જુનાગઢ કૃષિ યુનિવર્સિટી  
તરઘડિયા



**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.-33 for the Rajkot district**  
(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)  
(Period 23 to 27 July - 2016)

**Significant past weather for the preceding week of Rajkot**

Rainfall (mm)	8.2
Maximum temperature (°C)	29.9-34.1
Minimum temperature (°C)	23.6-24.0
Relative Humidity (%) I	80-86
Relative Humidity (%) II	53-86
Wind speed (Kmph)	9.0-10.2

**Weather forecast until 08-30 hrs of 27/07/2016**

**(1) RAJKOT DISTRICT:**




	23/07/16	24/07/16	25/07/16	26/07/16	27/07/16
Rainfall (mm)	0	13	11	15	14
Max.Temp.(°C)	34	33	33	33	33
Min.Temp.(°C)	25	25	25	26	26
Total CC (octa)	7	5	5	8	8
RH-I (%)	81	83	83	81	81
RH-II (%)	65	62	59	57	56
Wind Speed (kmph)	21	13	12	13	12
Wind Direction(deg.)	242	238	249	272	273


**Agro meteorological Advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"><li>• <b>Rain fall:</b> Warm, humid and generally cloudy to cloudy weather forecasted for next five days and moderate rainfall forecasted during 24 to 27 July.</li><li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 33-34°C and 25-26°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH is likely to be in the range of 56-83 %</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be SW, W and 12-21 km/h, respectively.</li><li>• <b>Under delayed onset of monsoon farmers are advised to select short duration crops and their varieties for sowing. Farmer also can sow castor and pigeon pea under delayed monsoon.</b></li><li>• <b>Under long dry spell life saving irrigation through drip/micro system is advised in the area where sowing is completed.</b></li><li>• <b>Interculturing, weeding and mulching should be carried out for various rainfed</b></li></ul>
-----------------------	--

<p style="text-align: center;"><b>crops to conserve soil mulch</b></p> <ul style="list-style-type: none"> <li><b>Weak and diseased plants should be removed.</b></li> </ul>			
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/Variety</b>	<b>Advisory</b>
<b>Kharif – Bunch groundnut</b>	Delayed on set of monsoon	Under Delayed on set of monsoon short duration varieties of Bunch groundnut GG-2, GG-5, TAG-24, TG-37 A, TPG-41, TLG-45,	<b>Sow only for seed purpose.</b> Timely sowing should be done after sufficient rainfall. <b>Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.</b>
<b>Pigeon pea</b>	Sowing	BDN-2, Vaishali	Apply 25 kg Nitrogen 50 kg P <sub>2</sub> O <sub>5</sub> /ha as basal dose.
<b>Sesame</b>	-	GT-2 or GT-3, GT-4 variety.	<b>Procure good quality of seeds for kharif sowing.</b> Apply 25 kg/ha nitrogen and 25 kg/ha P <sub>2</sub> O <sub>5</sub> as basal.
<b>Pearl millet</b>	Tillering	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done. Apply <b>88 kg urea/ha</b> as top dressing under sufficient soil moisture
<b>Fodder Sorghum &amp; Maize</b>	Growing	Shoot fly	To control damage of shoot fly in sorghum spray Dimethoate 10 ml or cypermethrin 25 EC 5 ml in 10 liters of water. <b>Give life saving irrigation by drip/sprinkler/micro irrigation system.</b>
<b>Pulses</b>	Growth	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done.
<b>Pulses</b>	For late sowing due to delayed monsoon	Farmers growing pulses are advised to select variety GM-4, K-851 for green gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa Falguni for cowpea , BDN-2, GT-100, GTH-1 for peginon pea and <b>Procure good quality of seeds irrespective of crops for kharif sowing.</b>	
<b>Vegetables</b>	Nursery /Transplanting	Farmers are advised for preparation of nursery for tomato, chilli, brinjal and early cauliflower (maturing in the month of September). It is also advised to use shed nets, which helps in reducing vector borne diseases and produce healthy seedlings. Nursery should be covered by net at the height of 6.5 feet for protection against sunlight. Transplanting of brinjal, chilli and early cauliflower are advised for those farmers whose seedlings are ready.	
	Sowing	Farmers are advised for sowing of Cucurbits in rainy season. It is most suitable time to sow recommended hybrids/ varieties. Some popular	



		hybrids are <b>Bottle Gourd</b> - Pusa Naveen, Pusa Samridhi <b>Bitter Gourd</b> - Pusa Visesh, Pusa-2 mosumi, <b>Pumpkin</b> - Pusa Visvash, Pusa Vikash <b>Ridge Gourd</b> - Pusa Chikni etc. Farmers are also advised for Sowing of ladyfinger, cluster bean, kidney bean, cowpea, tur, amranthus.	
<b>Lady finger</b>	Flowerin/ fruiting	Shoot and fruit borer  Mites	Sprary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of Ethion @ 1.5-2 ml/litre of water is advised. Due to prevailing high temperature, light irrigation at short interval is advised.
<b>Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd</b>	Flowering/Fr uiting	White fly  Downy mildew & Alternaria blight 	Sprary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or <b>acetamiprid</b> 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 fosaty1 20 g/10 lit of water at 15 days interval. 
<b>Cluster bean</b>	Growing/fruit ing	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Brinjal and tomato</b>	Growing/fruit ing	Sucking pest, Fruit and shoot borer	To control them spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering & fruiting	<b>Thrips</b> → 	In present weather conditions severe attack of thrips has been reported. Spray 20 ml <b>profenofos</b> in 10 litres of water.
<b>Cucumbers</b>	Growing/fruit ing	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval

<p><b>Livestock &amp; poultry</b></p> 	<p>Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing should be done. Provide 6-8 kg good quality dry roughage with 15-20 kg green fodder to the animals. Due to chance of rainfall at isolated places keep animals indoors during rainfall. Keep fodder in safe place to avoid spoilage due to rainfall. Ensure regarding vaccination of animals for different diseases in rainy season. Spray phenyl in the animal shed to avoid fly's and mosquitoes.</p>
---	---

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



**Gramin Krushi Mausam Seva**  
**Main Dry Farming Research Station**  
**Junagadh Agricultural University**  
**Targhadia (Rajkot) - 360 003**  
**Phone: (0281)2784260(O), 2331686(R)**  
**Fax : ( 0281)2784722, Cell :94277 28523**



**Agro met Advisory Service bulletin No.-33 for the Rajkot district**

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)  
 (Period 23 to 27 July- 2016)

**Weather forecast until 08-30 hrs of 27/07/2016**





**(2) JAMNAGAR DISTRICT:**

	23/07/16	24/07/16	25/07/16	26/07/16	27/07/16
Rainfall (mm)	0	4	5	5	7
Max.Temp.(°C)	31	31	31	31	31
Min.Temp.(°C)	27	27	27	27	27
Total CC (octa)	7	6	4	7	8
RH-I (%)	80	82	82	81	81
RH-II (%)	68	67	62	62	60
Wind Speed (kmph)	23	17	13	14	15
Wind Direction(deg.)	240	242	240	262	264

**Agro meteorological Advisories:-**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Warm, humid and generally cloudy to weather forecasted for next five days and light rainfall during 24 to 27 July forecasted.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 31-31°C and 27-27°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH is likely to be in the range of 60-82 %</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be SW, W and 13-23 km/h, respectively.</li> <li>• <b>Under delayed onset of monsoon farmers are advised to select short duration crops and their varieties for sowing. Farmer also can sow castor and pigeon pea under delayed monsoon.</b></li> <li>• <b>Under long dry spell life saving irrigation through drip/micro system is advised in the area where sowing is completed.</b></li> <li>• <b>Interculturing, weeding and mulching should be carried out for various rainfed crops to conserve soil mulch</b></li> <li>• <b>Weak and diseased plants should be removed.</b></li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/Variety</b>	<b>Advisory</b>
<b>Kharif – Bunch groundnut</b>	Delayed on set of monsoon	Under Delayed on set of monsoon short duration varieties of Bunch groundnut GG-2,	<b>Sow only for seed purpose.</b> Timely sowing should be done after sufficient rainfall. <b>Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.</b>

		GG-5, TAG-24, TG-37 A, TPG-41, TLG-45,	
<b>Pigeon pea</b>	Sowing	BDN-2, Vaishali	Apply 25 kg Nitrogen 50 kg P <sub>2</sub> O <sub>5</sub> /ha as basal dose.
<b>Sesame</b>	-	GT-2 or GT-3, GT-4 variety.	<b>Procure good quality of seeds for kharif sowing.</b> Apply 25 kg/ha nitrogen and 25 kg/ha P <sub>2</sub> O <sub>5</sub> as basal.
<b>Pearl millet</b>	Tillering	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done. Apply <b>88 kg urea/ha</b> as top dressing under sufficient soil moisture
<b>Fodder Sorghum &amp; Maize</b>	Growing	Shoot fly	To control damage of shoot fly in sorghum spray Dimethoate 10 ml or cypermethrin 25 EC 5 ml in 10 liters of water. <b>Give life saving irrigation by drip/sprinkler/micro irrigation system.</b>
<b>Pulses</b>	Growth	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done.
<b>Pulses</b>	For late sowing due to delayed monsoon	Farmers growing pulses are advised to select variety GM-4, K-851 for green gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa Falguni for cowpea , BDN-2, GT-100, GTH-1 for pigeon pea and <b>Procure good quality of seeds irrespective of crops for kharif sowing.</b>	
<b>Vegetables</b>	Nursery /Transplanting	Farmers are advised for preparation of nursery for tomato, chilli, brinjal and early cauliflower (maturing in the month of September). It is also advised to use shed nets, which helps in reducing vector borne diseases and produce healthy seedlings. Nursery should be covered by net at the height of 6.5 feet for protection against sunlight. Transplanting of brinjal, chilli and early cauliflower are advised for those farmers whose seedlings are ready.	
	Sowing	Farmers are advised for sowing of Cucurbits in rainy season. It is most suitable time to sow recommended hybrids/ varieties. Some popular hybrids are <b>Bottle Gourd-</b> Pusa Naveen, Pusa Samridhi <b>Bitter Gourd-</b> Pusa Visesh, Pusa-2 mosumi, <b>Pumpkin-</b> Pusa Visvash, Pusa Vikash <b>Ridge Gourd-</b> Pusa Chikni etc. Farmers are also advised for Sowing of ladyfinger, cluster bean, kidney bean, cowpea, tur, amaranthus.	
<b>Lady finger</b>	Flowering/ fruiting	Shoot and fruit borer  Mites	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of Ethion @ 1.5-2 ml/litre of water is advised. Due to prevailing high temperature, light irrigation at short interval is advised.

<b>Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd</b>	Flowering/Fruiting	White fly  Downy mildew & Alternaria blight 	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or <b>acetamiprid</b> 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 fosetyl 20 g/10 lit of water at 15 days interval. 
<b>Cluster bean</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Brinjal and tomato</b>	Growing/fruiting	Sucking pest, Fruit and shoot borer	To control them spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering & fruiting	<b>Thrips</b> → 	In present weather conditions severe attack of thrips has been reported. Spray 20 ml <b>profenofos</b> in 10 litres of water.
<b>Cucumbers</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Livestock &amp; poultry</b> 	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing should be done. Provide 6-8 kg good quality dry roughage with 15-20 kg green fodder to the animals. Due to chance of rainfall at isolated places keep animals indoors during rainfall. Keep fodder in safe place to avoid spoilage due to rainfall. Ensure regarding vaccination of animals for different diseases in rainy season. Spray phenyl in the animal shed to avoid fly's and mosquitoes.		

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



**Gramin Krushi Mausam Seva**  
**Main Dry Farming Research Station**  
**Junagadh Agricultural University**  
**Targhadia (Rajkot) - 360 003**  
**Phone: (0281)2784260(O), 2331686(R)**  
**Fax : ( 0281)2784722, Cell :94277 28523**



**Agro met Advisory Service bulletin No.-33 for the Rajkot district**

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)  
 (Period 23 to 27 July - 2016)

**Weather forecast until 08-30 hrs of 27/07/2016**

**(3) AMRELI DISTRICT:**





	23/07/16	24/07/16	25/07/16	26/07/16	27/07/16
Rainfall (mm)	0	13	11	15	14
Max.Temp.(°C)	33	33	32	32	32
Min.Temp.(°C)	25	25	25	25	25
Total CC (octa)	7	6	6	8	8
RH-I (%)	82	83	83	82	82
RH-II (%)	65	62	61	59	60
Wind Speed (kmph)	19	12	11	11	10
Wind Direction(deg.)	245	238	255	267	270

**Agro meteorological Advisories:**

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

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Warm, humid and generally cloudy to cloudy weather forecasted for next five days and moderate rainfall during 24 to 27 July forecasted.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 32-33°C and 25-25°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH is likely to be in the range of 59-83 %</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be SW, W and 10-19 km/h, respectively.</li> <li>• <b>Under delayed onset of monsoon farmers are advised to select short duration crops and their varieties for sowing. Farmer also can sow castor and pigeon pea under delayed monsoon.</b></li> <li>• <b>Under long dry spell life saving irrigation through drip/micro system is advised in the area where sowing is completed.</b></li> <li>• <b>Interculturing, weeding and mulching should be carried out for various rainfed crops to conserve soil mulch</b></li> <li>• <b>Weak and diseased plants should be removed.</b></li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/Variety</b>	<b>Advisory</b>
<b>Kharif – Bunch groundnut</b>	Delayed on set of monsoon	Under Delayed on set of monsoon short duration varieties of Bunch	<b>Sow only for seed purpose.</b> Timely sowing should be done after sufficient rainfall. <b>Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.</b>

		groundnut GG-2, GG-5, TAG-24, TG-37 A, TPG-41, TLG-45,	
<b>Pigeon pea</b>	Sowing	BDN-2, Vaishali	Apply 25 kg Nitrogen 50 kg P <sub>2</sub> O <sub>5</sub> /ha as basal dose.
<b>Sesame</b>	-	GT-2 or GT-3, GT-4 variety.	<b>Procure good quality of seeds for kharif sowing.</b> Apply 25 kg/ha nitrogen and 25 kg/ha P <sub>2</sub> O <sub>5</sub> as basal.
<b>Pearl millet</b>	Tillering	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done. Apply <b>88 kg urea/ha</b> as top dressing under sufficient soil moisture
<b>Fodder Sorghum &amp; Maize</b>	Growing	Shoot fly	To control damage of shoot fly in sorghum spray Dimethoate 10 ml or cypermethrin 25 EC 5 ml in 10 liters of water. <b>Give life saving irrigation by drip/sprinkler/micro irrigation system.</b>
<b>Pulses</b>	Growth	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done.
<b>Pulses</b>	For late sowing due to delayed monsoon	Farmers growing pulses are advised to select variety GM-4, K-851 for green gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa Falguni for cowpea , BDN-2, GT-100, GTH-1 for pigeon pea and <b>Procure good quality of seeds irrespective of crops for kharif sowing.</b>	
<b>Vegetables</b>	Nursery /Transplanting	Farmers are advised for preparation of nursery for tomato, chilli, brinjal and early cauliflower (maturing in the month of September). It is also advised to use shed nets, which helps in reducing vector borne diseases and produce healthy seedlings. Nursery should be covered by net at the height of 6.5 feet for protection against sunlight. Transplanting of brinjal, chilli and early cauliflower are advised for those farmers whose seedlings are ready.	
	Sowing	Farmers are advised for sowing of Cucurbits in rainy season. It is most suitable time to sow recommended hybrids/ varieties. Some popular hybrids are <b>Bottle Gourd-</b> Pusa Naveen, Pusa Samridhi <b>Bitter Gourd-</b> Pusa Visesh, Pusa-2 mosumi, <b>Pumpkin-</b> Pusa Visvash, Pusa Vikash <b>Ridge Gourd-</b> Pusa Chikni etc. Farmers are also advised for Sowing of ladyfinger, cluster bean, kidney bean, cowpea, tur, amaranthus.	
<b>Lady finger</b>	Flowering/ fruiting	Shoot and fruit borer  Mites	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of Ethion @ 1.5-2 ml/litre of water is advised. Due to prevailing high temperature, light

			irrigation at short interval is advised.
<b>Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd</b>	Flowering/Fruiting	White fly  Downy mildew & Alternaria blight 	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or <b>acetamiprid</b> 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 fosetyl 20 g/10 lit of water at 15 days interval. 
<b>Cluster bean</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Brinjal and tomato</b>	Growing/fruiting	Sucking pest, Fruit and shoot borer	To control them spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering & fruiting	<b>Thrips</b> → 	In present weather conditions severe attack of thrips has been reported. Spray 20 ml <b>profenofos</b> in 10 litres of water.
<b>Cucumbers</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Livestock &amp; poultry</b> 	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing should be done. Provide 6-8 kg good quality dry roughage with 15-20 kg green fodder to the animals. Due to chance of rainfall at isolated places keep animals indoors during rainfall. Keep fodder in safe place to avoid spoilage due to rainfall. Ensure regarding vaccination of animals for different diseases in rainy season. Spray phenyl in the animal shed to avoid fly's and mosquitoes.		





**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.-33 for the Rajkot district**

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department)  
 (Period 23 to 27 July - 2016)

**Weather forecast until 08-30 hrs of 24/07/2016**





**(4) SURENDRANAGAR DISTRICT:**

	23/07/16	24/07/16	25/07/16	26/07/16	27/07/16
Rainfall (mm)	0	10	4	4	9
Max.Temp.(°C)	34	33	33	33	33
Min.Temp.(°C)	25	25	25	26	26
Total CC (octa)	7	5	5	7	8
RH-I (%)	79	81	79	75	77
RH-II (%)	58	55	52	48	50
Wind Speed (kmph)	18	11	13	15	12
Wind Direction(deg.)	234	225	248	264	260

**Agro meteorological advisories:**

<b>General Advice</b>	<ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Warm, humid and generally cloudy to cloudy weather and forecasted for next five days light rainfall during 24-27 July forecasted.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 33-34°C and 26-26°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH is likely to be in the range of 50-81 %</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be SW, W and 11-18 km/h, respectively.</li> <li>• <b>Under delayed onset of monsoon farmers are advised to select short duration crops and their varieties for sowing. Farmer also can sow castor and pigeon pea under delayed monsoon.</b></li> <li>• <b>Under long dry spell life saving irrigation through drip/micro is advised in the area where sowing is completed.</b></li> <li>• <b>Interculturing, weeding and mulching should be carried out for various rainfed crops to conserve soil mulch</b></li> <li>• <b>Weak and diseased plants should be removed.</b></li> </ul>		
<b>Crops</b>	<b>Stage</b>	<b>Insect/Pest/Variety</b>	<b>Advisory</b>
<b>Kharif – Bunch groundnut</b>	Delayed on set of monsoon	Under Delayed on set of monsoon short duration varieties of Bunch groundnut GG-2,	<b>Sow only for seed purpose.</b> Timely sowing should be done after sufficient rainfall. <b>Seed treatment with Dithane M-45/Captan/vitavax @ 2 grams per kg of seeds before sowing is advised.</b>

		GG-5, TAG-24, TG-37 A, TPG-41, TLG-45,	
<b>Pigeon pea</b>	Sowing	BDN-2, Vaishali	Apply 25 kg Nitrogen 50 kg P <sub>2</sub> O <sub>5</sub> /ha as basal dose.
<b>Sesame</b>	-	GT-2 or GT-3, GT-4 variety.	<b>Procure good quality of seeds for kharif sowing.</b> Apply 25 kg/ha nitrogen and 25 kg/ha P <sub>2</sub> O <sub>5</sub> as basal.
<b>Pearl millet</b>	Tillering	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done. Apply <b>88 kg urea/ha</b> as top dressing under sufficient soil moisture
<b>Fodder Sorghum &amp; Maize</b>	Growing	Shoot fly	To control damage of shoot fly in sorghum spray Dimethoate 10 ml or cypermethrin 25 EC 5 ml in 10 liters of water. <b>Give life saving irrigation by drip/sprinkler/micro irrigation system.</b>
<b>Pulses</b>	Growth	-	Interculturing should be done for creating soil mulch and removal of weeds. Thinning should be done.
<b>Pulses</b>	For late sowing due to delayed monsoon	Farmers growing pulses are advised to select variety GM-4, K-851 for green gram, T-9, GU-1 for black gram, Gujarat cowpae-1,2,4, Pusa Falguni for cowpea , BDN-2, GT-100, GTH-1 for pigeon pea and <b>Procure good quality of seeds irrespective of crops for kharif sowing.</b>	
<b>Vegetables</b>	Nursery /Transplanting	Farmers are advised for preparation of nursery for tomato, chilli, brinjal and early cauliflower (maturing in the month of September). It is also advised to use shed nets, which helps in reducing vector borne diseases and produce healthy seedlings. Nursery should be covered by net at the height of 6.5 feet for protection against sunlight. Transplanting of brinjal, chilli and early cauliflower are advised for those farmers whose seedlings are ready.	
	Sowing	Farmers are advised for sowing of Cucurbits in rainy season. It is most suitable time to sow recommended hybrids/ varieties. Some popular hybrids are <b>Bottle Gourd-</b> Pusa Naveen, Pusa Samridhi <b>Bitter Gourd-</b> Pusa Visesh, Pusa-2 mosumi, <b>Pumpkin-</b> Pusa Visvash, Pusa Vikash <b>Ridge Gourd-</b> Pusa Chikni etc. Farmers are also advised for Sowing of ladyfinger, cluster bean, kidney bean, cowpea, tur, amaranthus.	
<b>Lady finger</b>	Flowering/ fruiting	Shoot and fruit borer  Mites	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval(4 spray) Spraying of Ethion @ 1.5-2 ml/litre of water is advised. Due to prevailing high temperature, light irrigation at short interval is advised.

<b>Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd</b>	Flowering/Fruiting	White fly  Downy mildew & Alternaria blight 	Spray neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or <b>acetamiprid</b> 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 fosetyl 20 g/10 lit of water at 15 days interval. 
<b>Cluster bean</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Brinjal and tomato</b>	Growing/fruiting	Sucking pest, Fruit and shoot borer	To control them spray <b>neem seed extract</b> 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.
<b>Chili</b>	Flowering & fruiting	<b>Thrips</b> → 	In present weather conditions severe attack of thrips has been reported. Spray 20 ml <b>profenofos</b> in 10 litres of water.
<b>Cucumbers</b>	Growing/fruiting	Thrips, white fly	To control them spray <b>neem seed extract</b> 500 ml or neem seed oil 50 or neem oil 40 ml and <b>acetamiprid</b> 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval
<b>Livestock &amp; poultry</b> 	Spray Deltamethrin or Amitraz 2 ml/litre of water for the control of tick. Deworming, T.B. and J.D. Testing should be done. Provide 6-8 kg good quality dry roughage with 15-20 kg green fodder to the animals. Due to chance of rainfall at isolated places keep animals indoors during rainfall. Keep fodder in safe place to avoid spoilage due to rainfall. Ensure regarding vaccination of animals for different diseases in rainy season. Spray phenyl in the animal shed to avoid fly's and mosquitoes.		

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