

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉત્તર સૌરાષ્ટ્રખેત આબોહવાકીયવિભાગ



તા.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૬-૨૦૧૬

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

કૃષિહ્વામાન બુલેટીન નં. <mark>૨૨/૨૦૧૬</mark>

પાછલા અઠવાડીયાનું રાજકોટનું હવામાન

| હવામાન પરિબળો | |
|------------------------|-----------|
| વરસાદ(મી.મી.) | 0.0 |
| મહતમ તાપમાન (સે.ગ્રે) | 38.2-39.5 |
| લઘુતમ તાપમાન (સે.ગ્રે) | 27.0-27.5 |
| ભેજ(%) સવાર | 75-88 |
| ભેજ(%) બપોરબાદ | 44-47 |
| પવનની ગતિ (કિમી/કલાક) | 15.3-15.5 |

ફવામાન આગાઠી: પત્રક-ક

ઉતર સૌરાષ્ટ્રખેત આબોઠવાકીય વિભાગ-ઠવામાન આગાઠી

તા.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૬-૨૦૧૬

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.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૬-૨૦૧૬ દરમ્યાન ફવામાન સૂકું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રફેવાની અને પવનની ઝડપ ૨૭ થી ૩૨ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૮ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લધુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

| તારીખ | દિવસ-૧ | દિવસ-૨ | દિવસ-૩ | દિવસ-૪ | દિવસ-પ |
|------------------------|----------|----------|----------|----------|----------|
| પેરામીટર | १५-०५-१५ | 99-09-99 | 99-09-99 | १८-०५-१५ | 96-05-95 |
| વરસાદ(મી.મી) | 0 | 0 | 0 | 0 | 0 |
| મહતમ તાપમાન (સે.ગ્રે) | 38 | 37 | 37 | 37 | 36 |
| લઘુતમ તાપમાન (સે.ગ્રે) | 28 | 28 | 28 | 28 | 28 |
| વાદળની સ્થિતિ(ઓકટા) | 4 | 2 | 1 | 2 | 6 |
| મહતમ ભેજ (%) સવાર | 78 | 79 | 78 | 78 | 78 |

| લધુતમ ભેજ (%) બપોરબાદ | 58 | 54 | 51 | 51 | 54 |
|-----------------------|-----|-----|-----|-----|-----|
| પવનની ગતિ (કિમી/કલાક) | 31 | 32 | 29 | 27 | 27 |
| પવનની દિશા (ડીગ્રી) | 236 | 238 | 249 | 261 | 264 |

જામનગર: જીલ્લામાં આગામી તા.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૬-૨૦૧૬ દરમ્યાન હવામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રહેશે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ <mark>૨૮ થી ૩૫ કીમી/કલાક</mark> રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૪-૩૬ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૮-૨૮</mark> ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| તારીખ | દિવસ-૧ | દિવસ-૨ | દિવસ-૩ | દિવસ-૪ | દિવસ-પ |
|------------------------|----------|----------|------------------|----------|----------|
| પેરામીટર | १५-०५-१५ | 99-09-99 | ૧૭- ૦૬-૧૬ | 96-09-99 | 96-05-95 |
| વરસાદ(મી.મી) | 0 | 0 | 0 | 0 | 0 |
| મહ્તમ તાપમાન (સે.ગ્રે) | 36 | 36 | 35 | 35 | 34 |
| લઘુતમ તાપમાન (સે.ગ્રે) | 28 | 28 | 28 | 28 | 28 |
| વાદળની સ્થિતિ(ઓકટા) | 4 | 2 | 1 | 2 | 5 |
| મહતમ ભેજ (%) સવાર | 81 | 81 | 81 | 81 | 81 |
| લઘુતમ ભેજ (%) બપોરબાદ | 64 | 62 | 58 | 59 | 61 |
| પવનની ગતિ (કિમી/કલાક) | 33 | 35 | 33 | 30 | 28 |
| પવનની દિશા (ડીગ્રી) | 235 | 240 | 251 | 261 | 263 |

અમરેલી: જીલ્લામાં આગામી તા.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૮-૨૦૧૬ દરમ્યાન ફ્વામાન સ્કું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રફેવાની અને પવનની ઝડપ ૨૩-૩૦ કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૭ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

| તારીખ | દિવસ-૧ | દિવસ-૨ | દિવસ-૩ | દિવસ-૪ | દિવસ-પ |
|------------------------|---------------------------|----------|------------------|----------|----------|
| પેરામીટર | ૧૫- 05- ૧ ૬ | 99-09-99 | ૧૭- ૦૬-૧૬ | 96-09-99 | 96-05-95 |
| વરસાદ(મી.મી) | 0 | 0 | 0 | 0 | 0 |
| મહતમ તાપમાન (સે.ગ્રે) | 38 | 38 | 37 | 37 | 36 |
| લધુતમ તાપમાન (સે.ગ્રે) | 28 | 28 | 28 | 28 | 28 |
| વાદળની સ્થિતિ(ઓકટા) | 4 | 2 | 1 | 2 | 6 |
| મહતમ ભેજ (%) સવાર | 76 | 78 | 76 | 76 | 76 |
| લધુતમ ભેજ (%) બપોરબાદ | 57 | 53 | 50 | 49 | 51 |
| પવનની ગતિ (કિમી/કલાક) | 30 | 30 | 25 | 23 | 26 |
| પવનની દિશા (ડીગ્રી) | 238 | 237 | 248 | 261 | 267 |

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૫-૦૬-૨૦૧૬ થી તા.૧૯-૦૬-૨૦૧૬ દરમ્યાન ફ્વામાન સૂકું, ગરમ અને અંશત: વાદળછાયું રફેશે. પવનની દિશા નૈઋત્ય અને પશ્ચિમની અને પવનની ઝડપ <mark>૨૫ થી ૩૧</mark> કીમી/કલાક રફેવાની શક્યતા છે. આ સમયગાળામાં મફતમ તાપમાન દિવસ દરમ્યાન ૩૬-૩૮ ડીગ્રી સેલ્શીયસ

જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન <mark>૨૮-૨૯</mark> ડીગ્રી સેલ્શીયસ જેટલું રફેવાની સંભાવના છે.

| તારીખ | દિવસ-૧ | દિવસ-ર | દિવસ-૩ | દિવસ-૪ | દિવસ-પ |
|------------------------|------------------|----------|------------------|----------|----------|
| પેરામીટર | ૧૫- ૦૬-૧૬ | 99-09-99 | ૧૭- ૦૬-૧૬ | १८-०५-१५ | 96-05-95 |
| વરસાદ(મી.મી) | 0 | 0 | 0 | 0 | 0 |
| મહતમ તાપમાન (સે.ગ્રે) | 38 | 37 | 37 | 37 | 36 |
| લધુતમ તાપમાન (સે.ગ્રે) | 29 | 29 | 28 | 28 | 29 |
| વાદળની સ્થિતિ(ઓકટા) | 4 | 1 | 0 | 2 | 6 |
| મહતમ ભેજ (%) સવાર | 71 | 73 | 74 | 73 | 74 |
| લઘુતમ ભેજ (%) બપોરબાદ | 44 | 39 | 38 | 42 | 44 |
| પવનની ગતિ (કિમી/કલાક) | 31 | 32 | 29 | 25 | 27 |
| પવનની દિશા (ડીગ્રી) | 233 | 233 | 241 | 252 | 260 |

૧૯ જુન સુધી હવામાન સુકું, ગરમ અને અંશત: વાદળછાયું રહેશે અને વરસાદની શક્યતા નથી. પવનની દિશા નૈઋત્ય અને પશ્ચિમની રહેવાની અને પવનની ઝડપ <mark>૨૫ થી ૩૫ કીમી/કલાક</mark> રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૭-૩૮ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૮-૨૯ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

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

| મુખ્ય પાક | પાક અવસ્થા | રોગ/જીવાત/જાત | કૃષિ સલાહ (૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી) |
|--------------|--------------------------------------|--|--|
| મગફળી | આગોતરું વાવેતર વરસાદ આધારીત | 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 ફોસ્ફેટ ૧૫૬ કી.ગ્રા./ફે., એમોનીયમ સલ્ફેટ 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 ટ્રાયકોડમાં ક્ર્ગનો 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-૨ ની પ્રમાણિત જાતો જેવી કે વહેલી પાકતી જતો : ગુજરાત શંકર- ૮, એગ્રીટોપ-૩૩૩, જય, સરજુ, સુરક્ષા, બળવાન, ભક્તિ, ભદ્રા, ફર્સ્ટ ક્લાસ મધ્યમ મોડી પાકતી જાતો : ગુજરાત શંકર-૬, એગ્રીટોપ-૪૪૪, એગ્રીટોપ-૭૭૭ 4 સોલા૨-૭૬, મલ્લિકા | | | | |
|---|----------------------------|--|---|--|--|--|
| તલ | પાક અને જાતની પસંદગી | ગુજરાત તલ- ૨, ગુજરાત | તલ- 3 | | | |
| બાજરી | પાક અને જાતની પસંદગી | જીએયબી-૫૫૮ જીએયબી ૭૩૨ અને જીએયબી-૭૪૪ | -૫૩૮, જીએચબી-૫૭૭, જીએચબી-૭૧૯, જીએચબી- | | | |
| કઠોળ પાકો | પાક અને જાતની પસંદગી | અડદ v٩4 ચોળા માટે v ગુજરાત ચો તુવેર માટે બીડીએન-ર, | ાગની ગુજરાત મગ-૪ , કે-૮૫૧, અડદની 4 ગુજરાત ળા v૧,૨,૪, પૂસા ફાલ્ગુની, ગુજરાત તુવેર v ૧૦૦4 ગુજરાત તુવેર હાઈબ્રીડ-૧, ારી ગુણવતાનું પ્રમાણિત બીજ સમયસર મેળવી લેવું. | | | |
| ભીંડા | વૃધ્ધિ/ફુલ/ શીંગ | થ્રીપ્સ,સફેદ માખી | તેના ની યંત્રણ માટે એસીટામાપ્રીડ ૧૦ 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 / ફુલ | 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/ | થ્રીપ્સ,સફેદ માખી | તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા | | | |

| | શીંગ | | લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ |
|--------|---------------|------------------------|--|
| | સાગ | | |
| | | | મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ - |
| | | | કરવો. |
| તરબુય | વૃધ્ધિ/કુલ | થ્રીપ્સ, સફેદ માખી | 🕨 તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ |
| | | | ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા |
| | | | લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ |
| | | | મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ |
| | | | - |
| 0: 0 | | 0) 0 | કરવો. |
| રીંગણી | કુલ/ફળ | થ્રીપ્સ, સફેદ માખી, | > લીંબોળીનું તેલ ૫૦ મિલી અથવા લીંબોળી ના |
| અને | | ફળ અને ડોકા કોરી ખાનાર | મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મિલી ૧૦ લીટર |
| ટમેટી | | ઈયળ | પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ |
| | | | હ્યેય તો એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ <i>/</i> 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 | પ્રોફેનોફોસ ૨૦ મીલી અને લીંબોળી નું તેલ ૫૦ |
| | | | મિલી અથવા લીંબોળી ના મીંજનું ૫ ટકા અર્કનું |
| | | | g દ્રાવણ ૫૦૦ મિલી ૧૦ લી. પાણીમાં મિશ્ર કરી |
| | | | છંટકાવ કરવો. |
| | | | છટકાવ કરવા. |
| | | | |
| | | | |
| ere en | مالک دور دور | a03 21 21 g c 2112:0 | તેના નિયંત્રણ માટે એસીટામાપ્રીડ ૨૦ ટકા પ |
| કાકડી | વૃધ્ધિ/ફુલ/ફળ | થ્રીપ્સ,સફેદ માખી | |
| | | | ગ્રામ અને લીંબોળીનું તેલ ૫૦ મીલી અથવા |
| | | | લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ |
| | | | મીલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ |
| | | | કરવો. |
| લીંબુ | ફળનો વિકાસ | પાન કથીરી | ઊંચા તાપમાનને કારણે લીંબુના બગીચામાં પાન |
| | | | કથીરીનો ઉપદ્રવ વધુ હોય તો તેના નિયંત્રણ માટે |
| | | | |
| | | | |

| | | | પ્રોપરગાઈટ દવા ૧૦ મિલી ૧૦ લીટર પાણીમા મિશ્ર | | | | |
|---------------------------|-----------------|--|--|--|--|--|--|
| | | | કરી છંટકાવ કરવો. | | | | |
| EVI.D7 | , | 2 2 2 2 0 | | | | | |
| <mark>5X]qDZ</mark> 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 આપર્વ | ો. દુધાળા પશુના આઉને ઝીંક ઓક્સાઈડ અથવા | | | | |
| | બોરીક પાવડર થ | બોરીક પાવડર થી બરાબર સાફ કરવું. તેમજ ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાલ | | | | | |
| | ર મી.લી. એક લ | ીટર પાણીમાં નાખીને છાંટવી | . બપોરના સમયે મરધાઓનું પરિવહન ટાળવું. મરધા | | | | |
| | ધરની પશ્ચિમ દિ | શામાં કંતાનના પડદા લગા | વવા અને તેમી ઉપર બપોરના સમયે પાણીનો છંટકાવ | | | | |
| | કરવો. | | | | | | |
| | | | | | | | |

જુકૃયુ/સંવૈ(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૬, તરઘડિયા(રાજકોટ),તારીખ: ૧૪/૦૬/૨૦૧૬.

પ્રતિ, તંત્રીશ્રી/ડાયરેકટરશ્રી, રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં,રેડીયોમાં ગામના યો રાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિનામૂલ્ચેપ્રસિધ્ધ કરાવવા નમ્ર વિંનતી છે.સહકારનીઅપેક્ષા સહ આભાર.

> સંશોધન વૈજ્ઞાનિક (સુકી ખેતી) જુનાગઢ કૃષિ યુનિવર્સીટી તરધડીયા



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



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Agro met Advisory Service bulletin No.-22 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 15th to 19th June - 2016)

Significant past weather for the preceding week of Rajkot

| Rainfall (mm) | 0.0 |
|--------------------------|-----------|
| Maximum temperature (°C) | 38.2-39.5 |
| Minimum temperature (°C) | 27.0-27.5 |
| Relative Humidity (%) I | 75-88 |
| Relative Humidity (%) II | 44-47 |
| Wind speed (Kmph) | 15.3-15.5 |

Weather forecast until 08-30 hrs of 19/06/2016

(1) RAJKOT DISTRICT:

| | 15/06/16 | 16/06/16 | 17/06/16 | 18/06/16 | 19/06/16 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max.Temp.(°C) | 38 | 37 | 37 | 37 | 36 |
| Min.Temp.(°C) | 28 | 28 | 28 | 28 | 28 |
| Total CC (octa) | 4 | 2 | 1 | 2 | 6 |
| RH-I (%) | 78 | 79 | 78 | 78 | 78 |
| RH-II (%) | 58 | 54 | 51 | 51 | 54 |
| Wind Speed (kmph) | 31 | 32 | 29 | 27 | 27 |
| Wind Direction(deg.) | 236 | 238 | 249 | 261 | 264 |

Agro meteorological Advisories:

| General Advice | next five of Temperary and 28-28 • Relative I • Wind Dir 27-32 km/ • Farme • Carry | days ture: Maximum and m °c, respectively. Humidity: The RH is l rection and Speed: Dir /h, respectively. | <u>-</u> |
|-------------------|--|---|----------|
| Crops | Stage | Insect/Pest/Variet | Advisory |

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

| Cluster | Crossin a /fm: | Theing white fl- | To control them envey near good entropt 500 |
|---------------------|---|--|--|
| 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 m should be done. Put curtains on time. Also cov | ide adlib clean drin imentry feeding of v nl/litre of water for 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 y house and sprinkle water on curtains during noon boultry house with grass or gunny bags. In poultry g fogger. |

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



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Weather forecast until 08-30 hrs of 19/06/2016

(2) JAMNAGAR DISTRICT:

| | 15/06/16 | 16/06/16 | 17/06/16 | 18/06/16 | 19/06/16 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max.Temp.(°C) | 36 | 36 | 35 | 35 | 34 |
| Min.Temp.(°C) | 28 | 28 | 28 | 28 | 28 |
| Total CC (octa) | 4 | 2 | 1 | 2 | 5 |
| RH-I (%) | 81 | 81 | 81 | 81 | 81 |
| RH-II (%) | 64 | 62 | 58 | 59 | 61 |
| Wind Speed (kmph) | 33 | 35 | 33 | 30 | 28 |
| Wind Direction(deg.) | 235 | 240 | 251 | 261 | 263 |

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 34-36°c and 28-28°c, respectively.
- Relative Humidity: The RH is likely to be in the range of 58-81 % Wind Direction and Speed: Direction and speed of wind is likely to be SW, W and 28-356 km/h, respectively.
 - Carry out preparatory tillage for kharif crops.
 - Farmers are advised to test their soil for fertility status from certified agencies.

Procure good quality of seeds for kharif crops.

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

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

| | | | 16.1 |
|--------------------|-----------------|---|---|
| | | | 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 |
| 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 | _ | | king water. Increase the green fodder quantity for |
| Section 1 | tual . | | ritamins A and D should apply. Spray Deltamethrin |
| | _ 11 | • | the control of tick. Deworming, T.B. and J.D. Testing |
| | should be done. | minuc of water for | the control of tick. Deworming, 1.D. and J.D. Testing |
| THE REAL PROPERTY. | <u> </u> | wast side of poultr | y house and anninkle water on curtains during noon |
| | | = , | y house and sprinkle water on curtains during noon |
| | | - | poultry house with grass or gunny bags. In poultry |
| | house control t | he temperature using | g togger. |

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



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



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Agro met Advisory Service bulletin No.-22 for the Rajkot district

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

(Period 15th to 19th June - 2016)

Weather forecast until 08-30 hrs of 19/06/2016

(3) AMRELI DISTRICT:

| | 15/06/16 | 16/06/16 | 17/06/16 | 18/06/16 | 19/06/16 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max.Temp.(°C) | 38 | 38 | 37 | 37 | 36 |
| Min.Temp.(°C) | 28 | 28 | 28 | 28 | 28 |
| Total CC (octa) | 4 | 2 | 1 | 2 | 6 |
| RH-I (%) | 76 | 78 | 76 | 76 | 76 |
| RH-II (%) | 57 | 53 | 50 | 49 | 51 |
| Wind Speed (kmph) | 30 | 30 | 25 | 23 | 26 |
| Wind Direction(deg.) | 238 | 237 | 248 | 261 | 267 |

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 36-38°C and 28-28°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 49-78 %
- Wind Direction and Speed: Direction and speed of wind is likely to be SW, W and 23-30 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.

| | 110care go | ou quanty of secus i | or marin crops. |
|-----------|------------|----------------------|---|
| Crops | Stage | Insect/Pest/Variet | Advisory |
| | | \mathbf{y} | |
| Kharif | Pre-sowing | GG-20, GG- | Pre-sowing of groundnut may be done in this |
| groundnut | | 11,GG-7 | week. |
| | | | Apply 156 kg/ha SSP, 62 kg/ha Ammonium sulphate and 80 kg/ha Castor cake as basal dose. |
| | | | Seed treatment with Dithane M- |
| | | | 45/Captan/vitavax @ 2 grams per kg of seeds |
| | | | before sowing is advised. |
| | Onset of | Semi spreading, | |
| | monsoon | GG-20 | |
| | | Bunch, GG-2, GG- | |

| Г | | 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 pr | ulses are advised to select variety GM-4, K-851 for |
| | | | 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 |
| | | Frocure 2000 du | antivoli seeus irrespective or crops for knarn |
| | | _ | anty of seeds irrespective of crops for knarn |
| Lady finger | Growing/fruit | sowing. Thrips, white fly | |
| Lady finger | Growing/fruit ing | sowing. | 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 | sowing. | To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and |
| Lady finger | | sowing. | To control them spray neem seed extract 500 ml |
| | ing | sowing. 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 | ing Flowering/Fr | sowing. | 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. Spary neem seed extract 500 ml or neem seed oil |
| Ridge gourd/ | ing | sowing. 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. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 |
| Ridge gourd/ Bottle | ing Flowering/Fr | sowing. Thrips, white fly 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. 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 |
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| Ridge gourd/ Bottle gourd/ Sponge | ing Flowering/Fr | sowing. Thrips, white fly 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. 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 |
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| Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd | Flowering/Fr uiting | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight | 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. 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 | sowing. Thrips, white fly White fly Downy mildew & | 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. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml |
| Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd | Flowering/Fr uiting | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight | 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. 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 |
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| Ridge gourd/ Bottle gourd/ Sponge gourd/ Bitter gourd | Flowering/Fr uiting Growing/fruit ing | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight 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. 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 | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight 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. 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 | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight 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. 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 Water melon | Flowering/Fr uiting Growing/fruit ing | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight 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. 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 | sowing. Thrips, white fly White fly Downy mildew & Alternaria blight Thrips, white fly 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. Spary neem seed extract 500 ml or neem seed oil 50 ml in 10 litre of water at 15 days interval (4 sprays) or acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval. Alternate three spray of Mancozeb 27 g or chlorothalonil 27 g or fosatyl 20 g/10 lit of water at 15 days interval. To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval To control them spray neem seed extract 500 ml or neem seed oil 50 or neem oil 40 ml and acetamiprid 20 % SP@ 5.0 gm / 10 lit of water at 15 days interval |

| | | | 15 days interval. |
|-----------|--|--|---|
| | | | To control shoot and fruit borer, infested fruits and |
| | | | shoots should be collected and buried inside the soil. |
| | | | Installation of pheromone trap @ 2-3 traps per acre is |
| | | | advised for monitoring of borers. If pest population is |
| | | | high, spraying of Spinosad 48 EC @ 1 ml /4 litres of |
| | | | water is advised when sky remains clear. |
| Chili | Flowering & | Thrips → | In present weather conditions severe attack of |
| | fruiting | Control of the contro | 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 ke | eep animals under well ventilated shade during day |
| & poultry | 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. | | |
| | 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. | | |
| L | 1 0 00 | | |

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



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Agro met Advisory Service bulletin No.-22 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 15th to 19th June - 2016)

Weather forecast until 08-30 hrs of 19/06/2016

(4) SURENDRANAGAR DISTRICT:

| | 15/06/16 | 16/06/16 | 17/06/16 | 18/06/16 | 19/06/16 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm) | 0 | 0 | 0 | 0 | 0 |
| Max.Temp.(°C) | 38 | 37 | 37 | 37 | 36 |
| Min.Temp.(°C) | 29 | 29 | 28 | 28 | 29 |
| Total CC (octa) | 4 | 1 | 0 | 2 | 6 |
| RH-I (%) | 71 | 73 | 74 | 73 | 74 |
| RH-II (%) | 44 | 39 | 38 | 42 | 44 |
| Wind Speed (kmph) | 31 | 32 | 29 | 25 | 27 |
| Wind Direction(deg.) | 233 | 233 | 241 | 252 | 260 |

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 36-38°C and 28-29°C, respectively.
- **Relative Humidity**: The RH is likely to be in the range of 25-74 %
- Wind Direction and Speed: Direction and speed of wind is likely to be SW, 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.

| | 0 | <u> </u> | |
|-----------|------------|--------------------|---|
| 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 pulses 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 quality 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 SERVICE | 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. | | | |
| · | T. L OCC CIZMCII DEDC IAII T | | | |

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