



## ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન

ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ

તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯



(ગ્રામીણ કૃષિ મૌસમ સેવા, સૂકી ખેતી સંશોધન કેન્દ્ર, જી.કૃ.યુ., તરઘડિયા અને ભારત મૌસમ વિભાગ દ્વારા સંપન્ન)

કૃષિહવામાન બુલેટીન નં. ૧૦૦/૨૦૧૯

પાછલા અઠવાડિયાનું રાજકોટનું હવામાન

| હવામાન પરિબલો            |           |
|--------------------------|-----------|
| વરસાદ(મી.મી)             | 0.0       |
| મહત્તમ તાપમાન (સે.ગ્રે)  | 30.4-34.3 |
| લઘુત્તમ તાપમાન (સે.ગ્રે) | 13.4-17.0 |
| ભેજ(%) સવાર              | 42-83     |
| ભેજ(%) બપોરબાદ           | 19-32     |
| પવનની ગતિ (કિમી/કલાક)    | 6.0-8.8   |

હવામાન આગાહી: પત્રક-ક

ઉત્તરસૌરાષ્ટ્ર ખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૧૬-૦૩-૨૦૧૯ થી ૨૦-૦૩-૨૦૧૯

કૃષિ સલાહ:

|         |  |          |          |          |          |          |
|---------|--|----------|----------|----------|----------|----------|
| સામાન્ય | <p>➤ ભારત સરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણકૃષિ મૌસમ સેવા વિભાગ, જુનાગઢ કૃષિ યુનિવર્સિટી, તરઘડિયા તરફથી જણાવવામાં આવે છે કે, ઉત્તર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના</p> <p>રાજકોટ: જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમિયાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહેશે. પવનની દિશા ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૧૮ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમિયાન ૩૨-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમિયાન ૧૫-૧૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.</p> |          |          |          |          |          |
|         | તારીખ  | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|         | પેરામીટર   | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
|         | વરસાદ(મી.મી)   | 0        | 0        | 0        | 0        | 0        |
|         | મહત્તમતાપમાન (સે.ગ્રે)   | 32       | 33       | 34       | 35       | 34       |

|                       |    |    |    |     |     |
|-----------------------|----|----|----|-----|-----|
| લઘુતમતાપમાન (સે.ગ્રે) | 15 | 16 | 17 | 18  | 17  |
| વાદળનીસ્થિતિ(ઓકટા)    | 0  | 2  | 0  | 0   | 0   |
| મહતમભેજ(%) સવાર       | 34 | 26 | 24 | 30  | 66  |
| લઘુતમભેજ (%) બપોરબાદ  | 14 | 12 | 11 | 10  | 14  |
| પવનનીગતિ(મી/કલાક)     | 18 | 15 | 15 | 10  | 13  |
| પવનનીદિશા(ડીગ્રી)     | 25 | 25 | 34 | 324 | 310 |

**મોરબી:** જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમ્યાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહેશે. પવનની દિશા ઈશાન અને પશ્ચિમની રહેવાની અને પવનની ઝડપ ૫ થી ૧૪ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૧૫-૧૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| તારીખ                 | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|-----------------------|----------|----------|----------|----------|----------|
| પેરામીટર              | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
| વરસાદ(મી.મી)          | 0        | 0        | 0        | 0        | 0        |
| મહતમતાપમાન (સે.ગ્રે)  | 32       | 33       | 34       | 35       | 34       |
| લઘુતમતાપમાન (સે.ગ્રે) | 15       | 16       | 17       | 18       | 17       |
| વાદળનીસ્થિતિ(ઓકટા)    | 0        | 2        | 0        | 0        | 0        |
| મહતમભેજ(%) સવાર       | 34       | 25       | 22       | 18       | 27       |
| લઘુતમભેજ (%) બપોરબાદ  | 11       | 10       | 10       | 9        | 8        |
| પવનનીગતિ(મી/કલાક)     | 14       | 11       | 12       | 5        | 7        |
| પવનનીદિશા(ડીગ્રી)     | 54       | 43       | 44       | 54       | 278      |

**જામનગર:** જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમ્યાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહેશે પવનની દિશા ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૦ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૦-૩૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૧૯-૨૦ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| તારીખ                 | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|-----------------------|----------|----------|----------|----------|----------|
| પેરામીટર              | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
| વરસાદ(મી.મી)          | 0        | 0        | 0        | 0        | 0        |
| મહતમતાપમાન (સે.ગ્રે)  | 31       | 31       | 31       | 31       | 30       |
| લઘુતમતાપમાન (સે.ગ્રે) | 20       | 20       | 20       | 20       | 19       |
| વાદળનીસ્થિતિ(ઓકટા)    | 0        | 2        | 0        | 0        | 0        |

|                      |    |    |    |     |     |
|----------------------|----|----|----|-----|-----|
| મહતમભેજ(%) સવાર      | 49 | 41 | 37 | 53  | 80  |
| લઘુતમભેજ (%) બપોરબાદ | 25 | 25 | 23 | 23  | 36  |
| પવનનીગતિ(મી/કલાક)    | 19 | 16 | 15 | 10  | 15  |
| પવનનીદિશા(ડીગ્રી)    | 45 | 27 | 37 | 326 | 315 |

**દેવભૂમિ દ્વારકા:** જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમ્યાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહશે. પવનની દિશા ઉતર, ઈશાન અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૯ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૨૯-૩૧ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૧૮-૧૯ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| તારીખ                 | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|-----------------------|----------|----------|----------|----------|----------|
| પેરામીટર              | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
| વરસાદ(મી.મી)          | 0        | 0        | 0        | 0        | 0        |
| મહતમતાપમાન (સે.ગ્રે)  | 30       | 30       | 31       | 31       | 29       |
| લઘુતમતાપમાન (સે.ગ્રે) | 18       | 19       | 19       | 19       | 18       |
| વાદળનીસ્થિતિ(ઓકટા)    | 0        | 2        | 0        | 0        | 0        |
| મહતમભેજ(%) સવાર       | 51       | 41       | 37       | 57       | 81       |
| લઘુતમભેજ (%) બપોરબાદ  | 21       | 20       | 17       | 17       | 35       |
| પવનનીગતિ(મી/કલાક)     | 19       | 15       | 15       | 9        | 14       |
| પવનનીદિશા(ડીગ્રી)     | 8        | 35       | 37       | 326      | 319      |

**અમરેલી:** જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમ્યાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહશે. પવનની દિશા પૂર્વ, અગ્નિ, ઉતર અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૬ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૩-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૧૭-૧૯ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| તારીખ                 | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|-----------------------|----------|----------|----------|----------|----------|
| પેરામીટર              | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
| વરસાદ(મી.મી)          | 0        | 0        | 0        | 0        | 0        |
| મહતમતાપમાન (સે.ગ્રે)  | 33       | 34       | 34       | 35       | 34       |
| લઘુતમતાપમાન (સે.ગ્રે) | 17       | 18       | 19       | 19       | 18       |
| વાદળનીસ્થિતિ(ઓકટા)    | 0        | 2        | 0        | 0        | 0        |
| મહતમભેજ(%) સવાર       | 38       | 34       | 29       | 33       | 51       |
| લઘુતમભેજ(%) બપોરબાદ   | 18       | 16       | 16       | 16       | 17       |

|                     |    |     |    |     |     |
|---------------------|----|-----|----|-----|-----|
| પવનનીગતિ(કિમી/કલાક) | 16 | 14  | 15 | 11  | 13  |
| પવનનીદિશા(ડીગ્રી)   | 80 | 127 | 22 | 324 | 315 |




સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૬-૦૩-૨૦૧૯ થી તા.૨૦-૦૩-૨૦૧૯ દરમ્યાન હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહેશે. પવનની દિશા ઈશાન, ઉતર અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૧ થી ૧૬ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૩૨-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૧૫-૧૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.






| તારીખ                   | દિવસ-૧   | દિવસ-૨   | દિવસ-૩   | દિવસ-૪   | દિવસ-૫   |
|-------------------------|----------|----------|----------|----------|----------|
| પેરામીટર                | ૧૬-૦૩-૧૯ | ૧૭-૦૩-૧૯ | ૧૮-૦૩-૧૯ | ૧૯-૦૩-૧૯ | ૨૦-૦૩-૧૯ |
| વરસાદ(મી.મી)            | 0        | 0        | 0        | 0        | 0        |
| મહત્તમતાપમાન (સે.ગ્રે)  | 32       | 33       | 34       | 35       | 34       |
| લઘુત્તમતાપમાન (સે.ગ્રે) | 15       | 16       | 17       | 18       | 17       |
| વાદળનીસ્થિતિ(ઓકટા)      | 0        | 2        | 0        | 0        | 0        |
| મહત્તમભેજ(%) સવાર       | 34       | 29       | 26       | 27       | 62       |
| લઘુત્તમભેજ(%) બપોરબાદ   | 18       | 16       | 15       | 14       | 17       |
| પવનનીગતિ(કિમી/કલાક)     | 16       | 16       | 15       | 11       | 15       |
| પવનનીદિશા(ડીગ્રી)       | 26       | 21       | 29       | 311      | 309      |

- ૧૬ થી ૨૦-માર્ચ -૨૦૧૯ હવામાન સુકું અને મહદઅંશે ચોખ્ખુ રહેશે પવનની દિશા ઈશાન અને વાયવ્યની મોટાભાગે રહેવાની અને પવનની ઝડપ ૫ થી ૧૯ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહત્તમ તાપમાન દિવસ દરમ્યાન ૨૯-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુત્તમ તાપમાન રાત્રી દરમ્યાન ૧૫-૨૦ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

| મુખ્ય પાક   | પાક અવસ્થા   | રોગ/જીવાત/જાત | કૃષિ સલાહ<br>(૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી )   |
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| ઉનાળુ તલ    | ઉગાવો/વૃદ્ધિ | થ્રીપ્સ       | ઉનાળુ તલમાં થ્રીપ્સના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો. |
| ઉનાળુ મગફળી | વૃદ્ધિ       | થ્રીપ્સ       | ઉનાળુ મગફળીમાં થ્રીપ્સના નિયંત્રણ માટે લીબોળીનું તેલ ૫૦ મિલિ અથવા લીબોળીના મીજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી અથવા પ્રોફેનોફોસ ૩૦ મિલી અથવા લેમ્બડા સાયહેલોથ્રીન ૧૫ મિલી દવાને ૧૦ લીટર                               |

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|        |                      |  | પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.   |
| ટમેટા  | ફેર રોપણી/<br>વૃદ્ધિ | પુસા હાઈબ્રીડ,<br>પુસા બી,<br>જુનાગઢ રૂબી,<br>ગુજરાત ટમેટા-<br>૧ | વાવેતર અંતર ૬૦-૮૦ x ૪૫-૬૦ સે.મી. રાખવું તથા યુરીયા ૧૬૩, સીંગલ સુપર ફોસ્ફેટ ૬૨૫ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૧૬૭ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો. |
| રીંગણ  | ફેર રોપણી/<br>વૃદ્ધિ | જુનાગઢ<br>લંબગોળ,<br>રીંગણ જુનાગઢ<br>લાંબા, ગુજરાત<br>રીંગણ-૨    | વાવેતર અંતર ૮૦ x ૬૦ સે.મી. રાખવું તથા યુરીયા ૧૦૮, સીંગલ સુપર ફોસ્ફેટ ૩૧૨ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૮૩ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.        |
| ભીંડા  | વાવેતર/ વૃદ્ધિ       | ગુજરાત<br>હાઈબ્રીડ ભીંડા-<br>૧, ગુજરાત<br>ભીંડા -૨               | વાવેતર અંતર ૬૦ x ૪૫ સે.મી. રાખવું તથા યુરીયા ૧૦૮, સીંગલ સુપર ફોસ્ફેટ ૩૧૨ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૮૩ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.        |
| તુરીયા | વાવેતર/ વૃદ્ધિ       | પુસા નસદાર,<br>જયપુરી  | વાવેતર અંતર ૧.૫ x ૦.૫ મીટર રાખવું તથા યુરીયા ૨૭, સીંગલ સુપર ફોસ્ફેટ ૭૮ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૨૧ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.          |
| દૂધી   | વાવેતર/ વૃદ્ધિ       | પુસા સમર<br>પ્રોલીફીક લોંગ,<br>જુનાગઢ ટેન્ડર<br>લોંગ             | વાવેતર અંતર ૨.૦ x ૦.૫ મીટર રાખવું તથા યુરીયા ૧૦૮, સીંગલ સુપર ફોસ્ફેટ ૩૧૨ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૮૩ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.        |
| ગલકા   | વાવેતર/ વૃદ્ધિ       | પુસા ચીકની   | વાવેતર અંતર ૧.૫ x ૦.૫ મીટર રાખવું તથા યુરીયા ૨૭, સીંગલ સુપર ફોસ્ફેટ ૭૮ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૨૧ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.          |
| કારેલા | વાવેતર/ વૃદ્ધિ       | પ્રિયાપુસા, દો<br>મોસમી  | વાવેતર અંતર ૧ x ૧ મીટર રાખવું તથા યુરીયા ૬૫, સીંગલ સુપર ફોસ્ફેટ ૩૭૫ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૧૦૦ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.            |
| ગુવાર  | વાવેતર/ વૃદ્ધિ       | પુસા સદાબહાર,<br>પુસા નવબહાર,<br>આઈસી-<br>૧૧૩૮૮                  | વાવેતર અંતર ૬૦ x ૩૦ સે.મી. રાખવું તથા યુરીયા ૫૫, સીંગલ સુપર ફોસ્ફેટ ૨૩૫ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૬૩ કિ.ગ્રા./ હેક્ટર પાયામાં આપવો.         |
| કાકડી  | વાવેતર/ વૃદ્ધિ       | જાપાનીઝ લાંબી  | વાવેતર અંતર ૧ x ૧ મીટર રાખવું તથા યુરીયા ૫૫, સીંગલ   |

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|                        |  | લીલી, સ્ટ્રેઇટ-૮,<br>પુસા સંયોગ  | સુપર ફોસ્ફેટ ૧૫૬ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૪૨ કિ.ગ્રા./<br>હેક્ટર પાયામાં આપવો.   |
| તરબુચ                  | વાવેતર/ વૃક્ષિ                         | સુગર બેબી,<br>અરકા જ્યોતી  | વાવેતર અંતર ૨ x ૧ મીટર રાખવું તથા યુરીયા ૧૦૮, સીંગલ<br>સુપર ફોસ્ફેટ ૩૧૨ કિ.ગ્રા., અને મ્યુરેટ ઓફ પોટાશ ૮૩ કિ.ગ્રા./<br>હેક્ટર પાયામાં આપવો.  |
| લસણ                    | દડા બંધાવા/<br>દેહધાર્મિક<br>પરિપક્વતા | -  | સમયસર કાપણી કરવી.  |
| ડુંગળી                 | દડા બંધાવા                             | જાંબલી ધાબા<br>   | ડુંગળીના પાકમાં જાંબલી ધાબાના રોગના નિયંત્રણ માટે મેન્કોઝેબ<br>૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટાઈલ ૨૦<br>ગ્રામના ૧૫ દિવસના અંતરે ત્રણ છંટકાવ કરવા.  |
| રીંગણી<br>અને<br>ટમેટી | ફુલ/ફળ                                 | સફેદ માખી<br><br>ડુંખ અને→<br>ફળ કોરી ખાનાર<br>ઈચળ<br><br>કથીરી → | <ul style="list-style-type: none"> <li>➤ લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો. જો વધુ ઉપદ્રવ હોય તો ટ્રાયઝોફોસ ૪૦ ઈ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</li> <li>➤ ફળ અને ડોકાની ઈંચળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને ક્લોરાનટ્રાનીલીપ્રોલ ૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી ૭૬ ઈસી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</li> <li>➤ રીંગણી અને ટમેટીના પાકમાં પાન કથીરીના નિયંત્રણ માટે પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.</li> </ul> |
| કોબી<br>અને<br>ફલાવર   | વૃક્ષિ/દડા                             | હિરાફૂદ  | કોબી અને ફલાવરમાં હિરાફૂદાણા નિયંત્રણ માટે સ્પીનોસાઈ ૩<br>મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો   |
| મરચી                   | ફળ/પાકા<br>મરચાની<br>વીણી              | પાનની કુકડ-<br>થ્રીપ્સ→<br>                                       | ટ્રાયઝોફોસ ૪૦ ઈ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા ૫<br>ગ્રામ અથવા પ્રોફેનોફોસ ૨૦ મી.લી.અને લીંબોળીનું તેલ ૫૦ મીલી<br>અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦<br>લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.   |

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|   |     | <p>પાનની કુક્કડ-</p>  <p>કાલવ્રણ →</p>                     | <p>વાયરસના કારણે પીળા થઈ કુક્કડાય ગયેલ છોડ ઉપાડી 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.</p> <p>કાલવ્રણ રોગના નિયંત્રણ માટે મેન્કોઝેબ ૨૭ ગ્રામ અથવા ક્લોરોથેલોનીલ ૨૭ ગ્રામ અથવા ફોઝેટાઈલ ૨૦ ગ્રામના ૧૫ દિવસના અંતરે ત્રણ છંટકાવ કરવા.</p>                             |
| આંબો  | ફૂલ | <p>મધીયો અને મગીયાની ઈયળ</p>  <p>ભુકીછારો/રાખોડી</p>  | <p>આંબામાં મધીયો અને મગીયાની ઈયળના નિયંત્રણ માટે ઈમીડાક્લોપ્રીડ ૫ મિલી ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p> <p>આંબામાં ભુકીછારો/રાખોડીના નિયંત્રણ માટે હેક્ઝાકોનાઝોલ ૧૫ મિલી ૧૦ લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો.</p>  |
| <p>પશુ/મરઘા</p>  |     |  | <p>દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પવડરથી બરાબર સાફ કરવું. પશુઓમાં કળીયા તાવના રોગના નિયંત્રણ માટે રસીકરણ કરાવવું. ઈતરડીના નિયંત્રણ માટે ડેલ્ટામેથ્રીન અથવા એમીટ્રાઝ ૨ મી.લી. ૧ લીટર પાણીમાં નાખીને છાંટવી. વિટામીન એ તથા ડી પુરકો આપવા. કરમિયાની દવા આપવી. મરઘાઓને રાનીખેત/ન્યુકેસ્ટલ રોગ સામે રસીકરણ કરવું. ૧૫ અઠવાડિયાથી નાના મરઘાઓની ચાંચનું કટિંગ કરવું.</p> |

જુકૃયુ/ટેકનિકલ ઓફિસર.(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૯  
તરઘડિયા(રાજકોટ), તારીખ: ૧૫/૦૩/૨૦૧૯.

પ્રતિ,  
તંત્રીશ્રી/ડાયરેક્ટરશ્રી,  
રાજકોટ,

ઉપરોક્ત માહિતી આપના દૈનિક સમાચાર પત્રોમાં, રેડીયોમાં ગામના ચોરાના કાર્યક્રમમાં તથા ટીવીના ગ્રામ્ય કાર્યક્રમમાં વિના મૂલ્યે પ્રસિધ્ધ કરાવવા નમ્ર વિનતી છે. સહકારની અપેક્ષા સહ આભાર.

ટેકનીકલ ઓફિસર  
સુકી ખેતીસંશોધન કેન્દ્ર  
જુનાગઢ કૃષિ નિવર્સિટી  
તરઘડીયા





**GraminKrushiMausamSeva**  
**Main Dry Farming Research Station**  
**Junagadh Agricultural University**  
**Targhadia (Rajkot) - 360 003**  
**Phone: (0281)2784260(O), 2331686(R)**  
**Fax : ( 0281)2784722, Cell :942756433**



**Agro met Advisory Service bulletin No.-100 for the Rajkot district**

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

(Period 16 to 20-March - 2019)

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

|                          |           |
|--------------------------|-----------|
| Rainfall (mm)            | 0.0       |
| Maximum temperature (°C) | 30.4-34.3 |
| Minimum temperature (°C) | 13.4-17.0 |
| Relative Humidity (%) I  | 42-83     |
| Relative Humidity (%) II | 19-32     |
| Wind speed (Kmph)        | 6.0-8.8   |

**Weather forecast until 08-30 hrs. of 20/03/2019**








**(1) RAJKOT DISTRICT:**

|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max.Temp.(°C)        | 32       | 33       | 34       | 35       | 34       |
| Min.Temp.(°C)        | 15       | 16       | 17       | 18       | 17       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 34       | 26       | 24       | 30       | 66       |
| RH-II (%)            | 14       | 12       | 11       | 10       | 14       |
| Wind Speed (kmph)    | 18       | 15       | 15       | 10       | 13       |
| Wind Direction(deg.) | 25       | 25       | 34       | 324      | 310      |

**Agro meteorological Advisories:**

|                       |  |                                 |                 |
|-----------------------|--|---------------------------------|-----------------|
| <b>General Advice</b> | <ul style="list-style-type: none"><li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li><li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 32-35°C and 15-18°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 24-66% &amp; 10-14, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be NE, NW and 10-18 km/h, respectively.</li></ul> |                                 |                 |
| <b>Crops</b>          | <b>Stage</b>   | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b> |

|                         |  |   |  |
|-------------------------|--|---|--|
| <b>Summer Sesame</b>    | Germination/ establishment               | Thrips  | <b>Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.</b> |
| <b>Summer Groundnut</b> | Growth                                   | Thrips  | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.   |
| <b>Brinjal</b>          | Transplanting/ establishment             | Junagadh oblong, Junagadh long, Guj. Bringle-2  | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Lady finger</b>      | Sowing/germination                       | Guj. Hy.-1 & 2                                  | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Ridge gourd</b>      | Sowing/germination                       | Pusa nasdar, Jaipuri,                           | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bottle gourd</b>     | Sowing/germination                       | Junagadh tender long, Pusa summer prolific long | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Sponge guard</b>     | Sowing/germination                       | Pusa chikni                                     | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bitter guard</b>     | Sowing/germination                       | Priya, Pusa domosmi                             | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.   |
| <b>Cluster bean</b>     | Sowing/germination                       | Pusa sadabahar, Pusa navbahar, IC-11388         | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.  |
| <b>Water melon</b>      | Sowing/germination                       | Sugar baby, Arka jyoti                          | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Garlic</b>           | Physiological maturity                   |   | Dig out the crop in time   |
| <b>Onion</b>            | Bulb development/ Physiological maturity | Thrips<br>Purple blotch →                       | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacloprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval. Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.  |

|   |  |   |   |
|---|--|---|---|
|   |  |    |   |
| <b>Brinjal &amp; Tomato</b>   | Flowering/<br>fruiting   | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br>  | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyrifos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer.   |
| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit   | <b>Thrips</b> →<br><br>Leaf curling Virus →<br>                             | In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.<br>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 advised for control the vector, when sky remains clear.<br>Spray <b>Mencozeb 27gm</b> in 10 liters of water |
| <b>Mango</b>  | Flowering/<br>fruit formation  | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | To prevent damage spray <b>imidacloprid 5</b> ml/10 litres of water.<br><br>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.   |
| <b>Livestock &amp; poultry</b><br> | For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder |   |   |

|  |  |
|--|--|
|  | <p>purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.</p> |
|--|--|

|  |   |
|--|---|
|  | <p>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented.</p> |
|--|---|

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



**GraminKrushiMausamSeva**  
**Main Dry Farming Research Station**  
**Junagadh Agricultural University**  
**Targhadia (Rajkot) - 360 003**  
**Phone: (0281)2784260(O), 2331686(R)**  
**Fax : ( 0281)2784722, Cell :942756433**



**Agro met Advisory Service bulletin No.-100 for the Morbi district**

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

(Period 16 to 20-March - 2019)



**Weather forecast until 08-30 hrs. of 20/03/2019**






**(2) MORBI DISTRICT:**

|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max.Temp.(°C)        | 32       | 33       | 34       | 35       | 34       |
| Min.Temp.(°C)        | 15       | 16       | 17       | 18       | 17       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 34       | 25       | 22       | 18       | 27       |
| RH-II (%)            | 11       | 10       | 10       | 9        | 8        |
| Wind Speed (kmph)    | 14       | 11       | 12       | 5        | 7        |
| Wind Direction(deg.) | 54       | 43       | 44       | 54       | 278      |

**Agro meteorological Advisories:**

|                       |   |                                 |  |
|-----------------------|---|---------------------------------|--|
| <b>General Advice</b> | <ul style="list-style-type: none"><li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li><li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 32-35°C and 15-18°C, respectively.</li><li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 18-34% &amp; 8-11, respectively.</li><li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be NE, W and 5-14 km/h, respectively.</li></ul> |                                 |  |
| <b>Crops</b>          | <b>Stage</b>  | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b>  |
| <b>Summer Sesame</b>  | Germinattion/<br>establishment  | Thrips                          | <b>Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.</b> |

|                             |   |  |   |
|-----------------------------|---|--|---|
| <b>Summer Groundnut</b>     | Growth  | Thrips   | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.  |
| <b>Brinjal</b>              | Transplanting/<br>establishment                   | Junagadh oblong,<br>Junagadh long,<br>Guj. Bringle-2   | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Lady finger</b>          | Sowing/germi<br>nation                            | Guj. Hy.-1 & 2   | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Ridge gourd</b>          | Sowing/<br>germination                            | Pusa nasdar,<br>Jaipuri,   | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.  |
| <b>Bottle gourd</b>         | Sowing/germi<br>nation                            | Junagadh tender<br>long, Pusa summer<br>prolific long  | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Sponge guard</b>         | Sowing/germi<br>nation                            | Pusa chikni  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.  |
| <b>Bitter guard</b>         | Sowing/germi<br>nation                            | Priya, Pusa<br>domosmi   | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.  |
| <b>Cluster bean</b>         | Sowing/germi<br>nation                            | Pusa sadabahar,<br>Pusa navbahar,<br>IC-11388  | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.   |
| <b>Water melon</b>          | Sowing/germi<br>nation                            | Sugar baby, Arka<br>jyoti  | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Garlic</b>               | Physiological<br>maturity                         |  | Dig out the crop in time  |
| <b>Onion</b>                | Bulb<br>development/<br>Physiological<br>maturity | Thrips<br><br>Purple blotch →<br>                 | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacloprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval.<br>Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.  |
| <b>Brinjal &amp; Tomato</b> | Flowering/<br>fruiting                            | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br> | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyrifos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole |

|   |   |  |   |
|---|---|--|---|
|   |   |  | 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer.   |
| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit  | <b>Thrips</b> →<br><br>Leaf curling<br>Virus →<br>                           | <p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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.</p> <p>Spray <b>Mencozeb 27gm</b> in 10 liters of water</p> |
| <b>Mango</b>  | Flowering/ fruit formation  | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | <p>To prevent damage spray <b>imidacloprid 5 ml/10 litres</b> of water.</p> <p>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.</p>  |
| <b>Livestock &amp; poultry</b><br> | <p>For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.</p> <p>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented.</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.-100 for the Jamnagar district**

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

(Period 16 to 20-March - 2019)

**Weather forecast until 08-30 hrs of 20/03/2019**



**(3) JAMNAGAR DISTRICT:**






|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max. Temp.(°C)       | 31       | 31       | 31       | 31       | 30       |
| Min. Temp.(°C)       | 20       | 20       | 20       | 20       | 19       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 49       | 41       | 37       | 53       | 80       |
| RH-II (%)            | 25       | 25       | 23       | 23       | 36       |
| Wind Speed (kmph)    | 19       | 16       | 15       | 10       | 15       |
| Wind Direction(deg.) | 45       | 27       | 37       | 326      | 315      |

**Agro meteorological Advisories:-**

|                         |   |                                 |  |
|-------------------------|---|---------------------------------|--|
| <b>General Advice</b>   | <ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 30-31°C and 19-20°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 37-80% &amp; 23-36, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be NE, NW and 10-19 km/h, respectively.</li> </ul> |                                 |  |
| <b>Crops</b>            | <b>Stage</b>  | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b>  |
| <b>Summer Sesame</b>    | Germinattion/<br>establishment  | Thrips                          | <b>Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal.</b> |
| <b>Summer Groundnut</b> | Growth  | Thrips                          | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml  |



|                                 |   |  |  |
|---------------------------------|---|--|--|
|                                 |   |  | with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.   |
| <b>Brinjal</b>                  | Transplanting/<br>establishment                   | Junagadh oblong,<br>Junagadh long,<br>Guj. Bringle-2   | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Lady finger</b>              | Sowing/germi<br>nation                            | Guj. Hy.-1 & 2   | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Ridge gourd</b>              | Sowing/<br>germination                            | Pusa nasdar,<br>Jaipuri,   | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bottle gourd</b>             | Sowing/germi<br>nation                            | Junagadh tender<br>long, Pusa summer<br>prolific long  | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Sponge<br/>guard</b>         | Sowing/germi<br>nation                            | Pusa chikni  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bitter guard</b>             | Sowing/germi<br>nation                            | Priya, Pusa<br>domosmi   | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.   |
| <b>Cluster<br/>bean</b>         | Sowing/germi<br>nation                            | Pusa sadabahar,<br>Pusa navbahar,<br>IC-11388  | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.  |
| <b>Water<br/>melon</b>          | Sowing/germi<br>nation                            | Sugar baby, Arka<br>jyoti  | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Garlic</b>                   | Physiological<br>maturity                         |  | Dig out the crop in time   |
| <b>Onion</b>                    | Bulb<br>development/<br>Physiological<br>maturity | Thrips<br><br>Purple blotch →<br>                 | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacliprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval.<br>Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.   |
| <b>Brinjal &amp;<br/>Tomato</b> | Flowering/<br>fruiting                            | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br> | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyriphos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer. |

|   |  |   |   |
|---|--|---|---|
| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit   | <b>Thrips</b> →<br><br>Leaf curling<br><b>Virus</b> →<br>                   | In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.<br>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 advised for control the vector, when sky remains clear.<br>Spray <b>Mencozeb 27gm</b> in 10 liters of water |
| <b>Mango</b>  | Flowering/ fruit formation   | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | To prevent damage spray <b>imidacloprid 5</b> ml/10 litres of water.<br><br>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.   |
| <b>Livestock &amp; poultry</b><br> | For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.<br>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented. |   |   |

**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.-100 for the Devbhumi Dwarka district**

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

(Period 16 to 20-March - 2019)



**Weather forecast until 08-30 hrs of 20/03/2019**






**(4) DEVBHUMI DWARKA DISTRICT:**

|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max. Temp.(°C)       | 30       | 30       | 31       | 31       | 29       |
| Min. Temp.(°C)       | 18       | 19       | 19       | 19       | 18       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 51       | 41       | 37       | 57       | 81       |
| RH-II (%)            | 21       | 20       | 17       | 17       | 35       |
| Wind Speed (kmph)    | 19       | 15       | 15       | 9        | 14       |
| Wind Direction(deg.) | 8        | 35       | 37       | 326      | 319      |

**Agro meteorological Advisories:-**

|                         |   |                                 |   |
|-------------------------|---|---------------------------------|---|
| <b>General Advice</b>   | <ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 29-31°C and 18-19°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 37-81% &amp; 17-35, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be N, NE, NW and 9-19 km/h, respectively.</li> </ul> |                                 |   |
| <b>Crops</b>            | <b>Stage</b>  | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b>   |
| <b>Summer Sesame</b>    | Germinattion/<br>establishment  | Thrips                          | Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal. |
| <b>Summer Groundnut</b> | Growth  | Thrips                          | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml   |

|                                 |   |  |  |
|---------------------------------|---|--|--|
|                                 |   |  | with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.   |
| <b>Brinjal</b>                  | Transplanting/<br>establishment                   | Junagadh oblong,<br>Junagadh long,<br>Guj. Bringle-2   | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Lady finger</b>              | Sowing/germi<br>nation                            | Guj. Hy.-1 & 2   | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Ridge gourd</b>              | Sowing/<br>germination                            | Pusa nasdar,<br>Jaipuri,   | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bottle gourd</b>             | Sowing/germi<br>nation                            | Junagadh tender<br>long, Pusa summer<br>prolific long  | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Sponge<br/>guard</b>         | Sowing/germi<br>nation                            | Pusa chikni  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bitter guard</b>             | Sowing/germi<br>nation                            | Priya, Pusa<br>domosmi   | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.   |
| <b>Cluster<br/>bean</b>         | Sowing/germi<br>nation                            | Pusa sadabahar,<br>Pusa navbahar,<br>IC-11388  | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.  |
| <b>Water<br/>melon</b>          | Sowing/germi<br>nation                            | Sugar baby, Arka<br>jyoti  | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Garlic</b>                   | Physiological<br>maturity                         |  | Dig out the crop in time   |
| <b>Onion</b>                    | Bulb<br>development/<br>Physiological<br>maturity | Thrips<br><br>Purple blotch →<br>                 | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacliprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval.<br>Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.   |
| <b>Brinjal &amp;<br/>Tomato</b> | Flowering/<br>fruiting                            | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br> | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyriphos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer. |

|   |  |   |   |
|---|--|---|---|
| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit   | <b>Thrips</b> →<br><br>Leaf curling<br><b>Virus</b> →<br>                   | In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.<br>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 advised for control the vector, when sky remains clear.<br>Spray <b>Mencozeb 27gm</b> in 10 liters of water |
| <b>Mango</b>  | Flowering/ fruit formation   | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | To prevent damage spray <b>imidacloprid 5</b> ml/10 litres of water.<br><br>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.   |
| <b>Livestock &amp; poultry</b><br> | For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.<br>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented. |   |   |

**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.-100 for the Amreli district**

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

(Period 16 to 20-March - 2019)



**Weather forecast until 08-30 hrs of 20/03/2019**






**(5) AMRELI DISTRICT:**

|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max.Temp.(°C)        | 33       | 34       | 34       | 35       | 34       |
| Min.Temp.(°C)        | 17       | 18       | 19       | 19       | 18       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 38       | 34       | 29       | 33       | 51       |
| RH-II (%)            | 18       | 16       | 16       | 16       | 17       |
| Wind Speed (kmph)    | 16       | 14       | 15       | 11       | 13       |
| Wind Direction(deg.) | 80       | 127      | 22       | 324      | 315      |

**Agro meteorological Advisories:**

|                       |   |                                 |   |
|-----------------------|---|---------------------------------|---|
| <b>General Advice</b> | <ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 33-35°C and 17-19°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 29-51% &amp; 16-18, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be E, SE, N, NW and 11-16 km/h, respectively.</li> </ul> |                                 |   |
| <b>Crops</b>          | <b>Stage</b>  | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b>   |
| <b>Summer Sesame</b>  | Germinattion/<br>establishment  | Thrips                          | Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal. |

|                             |  |  |   |
|-----------------------------|--|--|---|
| <b>Summer Groundnut</b>     | Growth                                   | Thrips   | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.  |
| <b>Brinjal</b>              | Transplanting/ establishment             | Junagadh oblong, Junagadh long, Guj. Bringle-2   | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Lady finger</b>          | Sowing/germination                       | Guj. Hy.-1 & 2   | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Ridge gourd</b>          | Sowing/germination                       | Pusa nasdar, Jaipuri,  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.  |
| <b>Bottle gourd</b>         | Sowing/germination                       | Junagadh tender long, Pusa summer prolific long  | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Sponge guard</b>         | Sowing/germination                       | Pusa chikni  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.  |
| <b>Bitter guard</b>         | Sowing/germination                       | Priya, Pusa domosmi  | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.  |
| <b>Cluster bean</b>         | Sowing/germination                       | Pusa sadabahar, Pusa navbahar, IC-11388  | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.   |
| <b>Water melon</b>          | Sowing/germination                       | Sugar baby, Arka jyoti   | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Garlic</b>               | Physiological maturity                   |  | Dig out the crop in time  |
| <b>Onion</b>                | Bulb development/ Physiological maturity | Thrips<br><br>Purple blotch →<br>                 | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacloprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval. Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.   |
| <b>Brinjal &amp; Tomato</b> | Flowering/ fruiting                      | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br> | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyrifos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole |

|   |   |  |   |
|---|---|--|---|
|   |   |  | 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer.   |
| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit  | <b>Thrips</b> →<br><br>Leaf curling<br>Virus →<br>                           | <p>In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.</p> <p>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.</p> <p>Spray <b>Mencozeb 27gm</b> in 10 liters of water</p> |
| <b>Mango</b>  | Flowering/ fruit formation  | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | <p>To prevent damage spray <b>imidacloprid 5 ml/10 litres</b> of water.</p> <p>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.</p>  |
| <b>Livestock &amp; poultry</b><br> | <p>For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.</p> <p>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented.</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.-100 for the Surendranagar district**

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

(Period 16 to 20-March - 2019)



**Weather forecast until 08-30 hrs of 20/03/2019**






**(6) SURENDRANAGAR DISTRICT:**

|                      | 16/03/19 | 17/03/19 | 18/03/19 | 19/03/19 | 20/03/19 |
|----------------------|----------|----------|----------|----------|----------|
| Rainfall (mm)        | 0        | 0        | 0        | 0        | 0        |
| Max.Temp.(°C)        | 32       | 33       | 34       | 35       | 34       |
| Min.Temp.(°C)        | 15       | 16       | 17       | 18       | 17       |
| Total CC (octa)      | 0        | 2        | 0        | 0        | 0        |
| RH-I (%)             | 34       | 29       | 26       | 27       | 62       |
| RH-II (%)            | 18       | 16       | 15       | 14       | 17       |
| Wind Speed (kmph)    | 16       | 16       | 15       | 11       | 15       |
| Wind Direction(deg.) | 26       | 21       | 29       | 311      | 309      |

**Agro meteorological advisories:**

|                         |  |                                 |   |
|-------------------------|--|---------------------------------|---|
| <b>General Advice</b>   | <ul style="list-style-type: none"> <li>• <b>Rain fall:</b> Dry and mainly clear weather forecasted for next five days.</li> <li>• <b>Temperature:</b> Maximum and minimum temperature likely to be in range of 32-35°C and 15-18°C, respectively.</li> <li>• <b>Relative Humidity:</b> The RH-I and RH-II is likely to be in the range of 26-62% &amp; 14-18, respectively.</li> <li>• <b>Wind Direction and Speed:</b> Direction and speed of wind is likely to be NE, N, NW and 11-16 km/h, respectively.</li> </ul> |                                 |   |
| <b>Crops</b>            | <b>Stage</b>   | <b>Insect/Pest/<br/>Variety</b> | <b>Advisory</b>   |
| <b>Summer Sesame</b>    | Germinattion/<br>establishment   | Thrips                          | Procure good quality seeds of sesame and carry out sowing of summer SESAME as minimum and maximum temperature rises to 19 °C and 30°C, respectively and give seed treatment of vitavax (Carboxin 37.5% + Thiram 37.5%) or mencozeb or carbendazim 2-3 gm/1 kg seed. Apply Single Super Phosphate 156 kg and 55 kg urea/ha, OR DAP 54 kg and 33 kg urea/ha as basal. |
| <b>Summer Groundnut</b> | Growth   | Thrips                          | Thrips infestation observed above ETL. Spraying of 500 ml of 5 % neem seed extract or neem seed oil 50 ml   |

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|                                 |   |  | with Profenofos 20 ml or imidacloprid 30.5 SC 3 ml or Lemda cyhelothrin 10 ml / 10 lit of water.   |
| <b>Brinjal</b>                  | Transplanting/<br>establishment                   | Junagadh oblong,<br>Junagadh long,<br>Guj. Bringle-2   | Keep planting distance 90 X 60 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Lady finger</b>              | Sowing/germi<br>nation                            | Guj. Hy.-1 & 2   | Keep planting distance 60 X 45 cm <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.  |
| <b>Ridge gourd</b>              | Sowing/<br>germination                            | Pusa nasdar,<br>Jaipuri,   | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bottle gourd</b>             | Sowing/germi<br>nation                            | Junagadh tender<br>long, Pusa summer<br>prolific long  | Keep planting distance 2 X 0.5 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Sponge<br/>guard</b>         | Sowing/germi<br>nation                            | Pusa chikni  | Keep planting distance 1.5 X 0.5 m <sup>2</sup> and apply urea 27, single super phosphate 78 and murret of potash 21 kg/ha at sowing time.   |
| <b>Bitter guard</b>             | Sowing/germi<br>nation                            | Priya, Pusa<br>domosmi   | Keep planting distance 1.0 X 1.0 m <sup>2</sup> and apply urea 65, single super phosphate 375 and murret of potash 100 kg/ha at sowing time.   |
| <b>Cluster<br/>bean</b>         | Sowing/germi<br>nation                            | Pusa sadabahar,<br>Pusa navbahar,<br>IC-11388  | Keep planting distance 60 X 30 cm <sup>2</sup> and apply urea 55, single super phosphate 235 and murret of potash 63kg/ha at sowing time.  |
| <b>Water<br/>melon</b>          | Sowing/germi<br>nation                            | Sugar baby, Arka<br>jyoti  | Keep planting distance 2.0 X 1.0 m <sup>2</sup> and apply urea 108, single super phosphate 312 and murret of potash 83 kg/ha at sowing time.   |
| <b>Garlic</b>                   | Physiological<br>maturity                         |  | Dig out the crop in time   |
| <b>Onion</b>                    | Bulb<br>development/<br>Physiological<br>maturity | Thrips<br><br>Purple blotch →<br>                 | In present weather conditions attack of thrips has been reported. Make alternative sprays of <b>imidacliprid 30.5 SC</b> 3 ml and <b>profenofos</b> 20 ml in 10 liters of water at 10 days interval.<br>Spray <b>Mencozeb</b> 25 gm and <b>hexaconazole</b> 15 ml in 10 liters of water at 10 days interval.   |
| <b>Brinjal &amp;<br/>Tomato</b> | Flowering/<br>fruiting                            | <b>Sucking pest</b> →<br>& <b>Fruit borer</b><br> | To control sucking pest spray <b>neem seed extract</b> 5 % or neem seed oil 50 ml and 20 ml <b>Trizophos</b> in 10 liters of water at 15 days<br>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 Chlorpyriphos 20 EC 20 ml or DDVP 76 EC 7 ml or Emamectin Benzoate 5 WP 3 g or Chlorantraniliprole 18.5 SC 3 ml or Cypermethrin 10 EC 10 ml per 10 l of water is advise against fruit borer. |

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| <b>Cabbage and cauliflower</b>  | 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.   |
| <b>Chili</b>  | Fruiting & Picking of ripped fruit   | <b>Thrips</b> →<br><br>Leaf curling<br><b>Virus</b> →<br>                   | In present weather conditions severe attack of thrips has been reported. Spray Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide.<br>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 advised for control the vector, when sky remains clear.<br>Spray <b>Mencozeb 27gm</b> in 10 liters of water |
| <b>Mango</b>  | Flowering/ fruit formation   | <b>Blossom midge and Leaf hopper</b> →<br><br><b>Powdery Mildew</b> →<br> | To prevent damage spray <b>imidacloprid 5 ml/10</b> litres of water.<br><br>Spray 15 ml <b>Hexaconzole</b> in 10 liters of water.   |
| <b>Livestock &amp; poultry</b><br> | For prevention of Anthrax disease in animals do vaccination with anthrax vaccine. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. Carry out sowing of maize for fodder purpose. For milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture per 2 liters of milk yield. Feed animals with a mixture of green grass + hay + minerals + dry feed.<br>For prevention of New castle disease/Ranikhet disease do vaccination in poultry. The beaks of birds in the poultry under age of 15 Week should be cut. Entry of visitors in poultry should be prevented. |   |   |

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