

ગ્રામીણ કૃષિ મૌસમ સેવા

હવામાન આગાહી આધારીત કૃષિસલાહ બુલેટીન ઉતર સૌરાષ્ટ્રખેત આબોહવાકીયવિભાગ





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

કૃષિહવામાન બુલેટીન નં.<mark>૧૪/૨૦૧૮</mark>

પાછલા અઠવાડીયાનું **રાજકો<mark>ટનું</mark> હવામા**ન

હવામાન પરિબળો					
વરસાદ(મી.મી)	0.0				
મહતમ તાપમાન (સે.ગ્રે)	41.2-43.5				
લઘુતમ તાપમાન (સે.ગ્રે)	24.7-25.4				
ભેજ(%) સવાર	58-81				
ભેજ(%) બપોરબાદ	25-29				
પવનની ગતિ (કિમી/કલાક)	10.6-11.0				

હવામાન આગાહી: પત્રક-ક

ઉતરસૌરાષ્ટ્રખેત આબોહવાકીય વિભાગ-હવામાન આગાહી

તા.૧૯-૦૫-૨૦૧૮ થી ૨૩-૦૫-૨૦૧૮

કૃષિ સલાહ:

સામાન્ય

 ભારત સરકારશ્રીના હવામાન ખાતા તરફથી મળેલ હવામાન માહિતી અનુસાર અત્રેના ગ્રામીણકૃષિ મૌસમ સેવા વિભાગ,જુનાગઢ કૃષિ યુનિવર્સીટી, તરઘડીયા તરફથી જણાવવામાં આવે છે કે, ઉતર સૌરાષ્ટ્ર ખેત આબોહવાકીય વિસ્તારના

રાજકોટ: જીલ્લામાં આગામી તા.૧૯-૦૫-૨૦૧૮ થી તા.૨૩-૦૫-૨૦૧૮ દરમ્યાન હવામાન સુકું, ગરમ, અને સ્વચ્છ રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૬ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૩ – ૪૪ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭ -૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

્તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	१૯-०૫-१८	૨૦-૦૫-૧૮	૨૧-૦૫-૧૮	२२-०५-१८	२3-०५-१८
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	44	43	43	43	43
લઘુતમતાપમાન (સે.ગ્રે)	28	28	27	27	27
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0

મહતમભેજ(%) સવાર	53	53	46	54	46
લધુતમભેજ (%) બપોરબાદ	17	14	11	13	13
પવનનીગતિ(મી/કલાક)	16	14	13	12	12
પવનનીદિશા(ડીગ્રી)	285	286	269	268	291

જામનગર: જીલ્લામાં આગામી તા.૧૯-૦૫-૨૦૧૮ થી તા.૨૩-૦૫-૨૦૧૮ દરમ્યાન હવામાન સુકું, ગરમ, અને સ્વચ્છ રહેશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૫ થી ૨૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૩૪-૩૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

્તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૯-૦૫-૧૮	२०-०૫-१८	૨૧-૦૫-૧૮	२२-०५-१८	૨૩-૦૫-૧૮
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	34	34	35	34	35
લઘુતમતાપમાન (સે.ગ્રે)	28	28	27	27	28
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહતમભેજ(%) સવાર	64	61	59	64	57
લધુતમભેજ(%) બપોરબાદ	34	30	23	26	22
પવનનીગતિ(કિમી/કલાક)	20	18	18	15	16
પવનનીદિશા(ડીગ્રી)	283	278	257	273	296

અમરેલી: જીલ્લામાં આગામી તા.૧૯-૦૫-૨૦૧૮ થી તા.૨૩-૦૫-૨૦૧૮ દરમ્યાન હવામાન સુકું , ગરમ અને મુખત્વે વાદળછાયું રહશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની અને પવનની ઝડપ ૧૨ થી ૧૫ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૩-૪૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૬ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૯-૦૫-૧૮	૨૦-૦૫-૧૮	૨૧-૦૫-૧૮	२२-०५-१८	२3-०५-१८
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	45	44	43	43	43
લઘુતમતાપમાન (સે.ગ્રે)	26	26	25	25	25
વાદળનીસ્થિતિ(ઓકટા)	0	0	1	0	0
મહતમભેજ(%) સવાર	47	48	38	48	45
લઘુતમભેજ(%) બપોરબાદ	17	15	13	12	14

પવનનીગતિકિમી/કલાક)	15	13	12	12	13
પવનનીદિશા(ડીગ્રી)	275	282	286	272	287

સુરેન્દ્રનગર: જીલ્લામાં આગામી તા.૧૯-૦૫-૨૦૧૮ થી તા.૨૩-૦૫-૨૦૧૮ દરમ્યાન હવામાન સુકું, ગરમ અને સ્વચ્છ રહેશે. પવનની દિશા પશ્ચિમની રહેવાની અને પવનની ઝડપ ૧૨ થી ૨૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમય ગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૩-૪૪ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૭-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

તારીખ	દિવસ-૧	દિવસ-૨	દિવસ-૩	દિવસ-૪	દિવસ-૫
પેરામીટર	૧૯-૦૫-૧૮	૨૦-૦૫-૧૮	૨૧-૦૫-૧૮	२२-०५-१८	૨૩-૦૫-૧૮
વરસાદ(મી.મી)	0	0	0	0	0
મહતમતાપમાન (સે.ગ્રે)	44	43	43	43	43
લઘુતમતાપમાન (સે.ગ્રે)	28	28	27	27	27
વાદળનીસ્થિતિ(ઓકટા)	0	0	0	0	0
મહતમભેજ(%) સવાર	49	46	44	45	38
લઘુતમભેજ(%) બપોરબાદ	15	13	9	12	10
પવનનીગતિકિમી/કલાક)	20	16	15	12	12
પવનનીદિશા(ડીગ્રી)	273	264	262	262	276

૧૯ થી ૨૩ મે દરમ્યાન હવામાન સુકું, ગરમ, અને મુખત્વે સ્વચ્છ રહશે. પવનની દિશા પશ્ચિમ અને વાયવ્યની રહેવાની શક્યતા છે. અને પવનની ઝડપ ૧૨ થી ૨૦ કીમી/કલાક રહેવાની શક્યતા છે. આ સમયગાળામાં મહતમ તાપમાન દિવસ દરમ્યાન ૪૩-૪૫ ડીગ્રી સેલ્શીયસ જેટલું તેમજ લઘુતમ તાપમાન રાત્રી દરમ્યાન ૨૫-૨૮ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની સંભાવના છે.

 મહતમ તાપમાનમાં ૪૩-૪૪ ડીગ્રી સેલ્શીયસ જેટલું રહેવાની શક્યતા હોવાથી ઉનાળુ પાકોને સમયસર પિયત આપવું. તેમજ બપોરના સમયે બહાર નીકળવું નહિ અને પશુઓને છાંયડામાં રાખવા.

મુખ્ય પાક	પાક અવસ્થા	રોગ/જીવાત/જાત	કૃષિ સલાહ (૧૦ લીટર પાણીમાં મિશ્ર કરી ભલામણ કરેલ દવા છાંટવી)
ઉનાળુ મગ અને અડદ	દેહધાર્મિક પરિપક્વ અવસ્થા	કાપણી	પરિપક્વ અવસ્થાએ સમયસર કાપણી કરવી.
ઉનાળુ મગફળી	ડોડવામાં દાણા ભરાવવા	થ્રીપ્સ	પરિપક્વ અવસ્થાએ સમયસર કાપણી કરવી.

ઉનાળુ	દેહધાર્મિક	કાપણી	> પરિપક્વ અવસ્થાએ સમયસર કાપણી કરવી.
તલ	પરિપક્વ		
vice	અવસ્થા		
ટમેટા	કુલ/ફળ	સફેદ માખી અને	ઉનાળુ શાક્ભાજિમાં સફેદ માખીના નિયંત્રણ માટે લીંબોળીનું તેલ
રીંગણ		લીલી ઈયળ	૫૦ મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦
ભીંડા			મીલી અને ઈમીડાક્લોપ્રીડ ૩૦.૫ ટકા ૪ મિલી એસીટેમાપ્રીડ ૨૦
તુરીયા			ટકા ૫ ગ્રામ/૧૦ લીટર પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
દૂધી			વેલાવાળા શાકભાજીમાં લીલી ઈયળનો ઉપદ્રવ વધુ હોય તો
ગલકા			સ્પીનોસાડ ૩ મિલી /૧૦ લીટર પાણીમા ઓગાળી છંટકાવ કરવો.
કારેલા			
ગુવાર			
કાકડી			
રીંગણી	કુલ/ફળ	સફેદ માખી	> લીંબોળીનું તેલ ૫૦મિલિ અથવા લીંબોળીના મીંજનું ૫ ટકા
અને			અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ
ટમેટી			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.
		ડુંખ અને→	> ફળ અને ડોકાની ઈયળોનો ઉપદ્રવ હોય તો નુકશાન પામેલ ફળ
		ફળ કોરી ખાનાર	અને ડોકા તોડીને જમીનમાં દાંટી દેવા અને ક્લોરાનટ્રાનીલીપ્રોલ
		` ઈયળ	૧૮.૫ એસ.સી (રીનાક્ષીપાયર) દવા ૩ મિલી અથવા ડીડીવીપી
			૭૬ ઈસી ૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
		કથીરી →	> રીંગણી અને ટમેટીના પાકમાં પાન કથીરીના નિયંત્રણ માટે
			પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ કરવો.
 મરચી	ક્લ/ફળ	પાનની કુકડ-	ટ્રાયઝોફ્રોસ ૪૦ ઈ.સી. ૨૦ મી.લી. અથવા એસીટેમાપ્રીડ ૨૦ ટકા પ
	,		િ ગ્રામ અથવા પ્રોફેનોફોસ ૨૦ મી.લી.અને લીંબોળીનું તેલ ૫૦ મીલી
			્ર અથવા લીંબોળીના મીંજનું ૫ ટકા અર્કનું દ્રાવણ ૫૦૦ મીલી ૧૦
			લી.પાણીમાં મિશ્ર કરી છંટકાવ કરવો. <mark>પાન કથીરીના નિયંત્રણ માટે</mark>
		一个一个一个一个	પ્રોપરગાઈટ દવા ૧૦ મિલી/૧૦ લીટર પાણીમાં મિશ્ર કરીને છંટકાવ
			કરવો.
			વાયરસના કારણે પીળા થઈ કુક્ડાય ગયેલ છોડ ઉપાડી તેન <u>ો</u>

			૪મીનમાં દાટી નાશ કરવો. ત્યાં સફેદ માખીથી ફેલાતો હોવાથી તેના નિયંત્રણ માટે હોસ્ટાથીયોન દવા ૨૦ મી.લી.∕૧૦ લી. પાણીમાં મિશ્ર કરી છંટકાવ કરવો.
આંબો	ફળનો વિકાસ		જરૂરિયાત મુજબ પિયત આપવું.
પશુ/મરઘ પશુ / મરધા	પીવાના સ્વચ્છ કરવો. ખોરાકમાં બોરિક પવડરથી બરાબર સાફ કરવું	પાણીની વ્યવસ્થા . લીલા ચારાનું પ l બરાબર સાફ ક . પશુઓમાં ગળસુંઢો	કોરને દિવસના સમયે છાયડામાં રાખવા અને મિનરલ મિક્ષ્યર યુક્ત કરવી. દુધાળા પશુઓને ઉનાળામાં ઠંડક આપવા પાણીનો છંટકાવ પ્રમાણ વધારવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા રવું. દુધાળા પશુઓના આઉને ઝીંક ઓક્સાઈડ અથવા બોરિક પાવડરથી અને <i>ગાંઠીયા</i> તાવના રોગના નિયંત્રણ માટે રસીકરણ કરાવવું. ઈતરડીના ટ્રાઝ ર મી.લી. ૧ લીટર પાણીમાં નાખીને છાંટવી. વિટામીન એ તથા ડી પૂરકો
	આપવા. કરમિયાને આપવા	•	

જુકૃયુ/ટેકનિકૅલ ઓફિસૅર.(સુખે)/એગ્રોમેટ/બુલેટીન/ /૨૦૧૮ તરઘડિયા(રાજકોટ), તારીખ:૧૮/૦૫/૨૦૧૮.

પ્રતિ, તંત્રીશ્રી/ડાયરેકટરશ્રી, રાજકોટ,

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

> ટેક્નીકલ ઓફિસર સુકી ખેતીસંશોધન કેન્દ્ર જુનાગઢ કૃષિ યુનિવર્સીટી તરઘડીયા



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

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



Agro met Advisory Service bulletin No.-14 for the Rajkot district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 19 to 23 May - 2018)

Significant past weather for the preceding week of Rajkot

Rainfall (mm)	0.0
Maximum temperature (°C)	41.2-43.5
Minimum temperature (°C)	24.7-25.4
Relative Humidity (%) I	58-81
Relative Humidity (%) II	25-29
Wind speed (Kmph)	10.6-11.0

Weather forecast until 08-30 hrs of 23/05/2018

(1) RAJKOT DISTRICT:

	19/05/18	20/05/18	21/05/18	22/05/18	23/05/18
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	44	43	43	43	43
Min.Temp.(°C)	28	28	27	27	27
Total CC (octa)	0	0	0	0	0
RH-I (%)	53	53	46	54	46
RH-II (%)	17	14	11	13	13
Wind Speed (kmph)	16	14	13	12	12
Wind Direction(deg.)	285	286	269	268	291

Agro meteorological Advisories:

Genera	
Advice	

- Rain fall: Dry, hot and clear weather forecasted for next five days. Temperature: Maximum and minimum temperature likely to be in range of 43-44°c and 27-28°c, respectively.
- **Relative Humidity**: The RH-I and RH-II is likely to be in the range of 46-54 % & 11-17, respectively.
- Wind Direction and Speed: Direction and speed of wind is likely to be W and 12-16 km/h, respectively.
- As per forecast maximum temperature likely to remain 43-44 °c, so apply light and frequent irrigation by drip system to vegetables' and other summer crops. Due to hot (Heat wave) weather do not go outside during noon hours. Keep

	animals und	er shed.				
Crops	Stage	Insect/Pest/ Variety	Advisory			
Green gram	Physiological Maturity	-	Harvest in time at ripening stage before seed shattering.			
Black Gram	Physiological Maturity	_				
Summer Groundnut	Pod Development		-			
Summer Sesame	Physiological Maturity	White files 0	Harvest in time at ripening stage before seed shattering.			
Lady finger Ridge gourd Bottle gourd Sponge gourd Bitter gourd	Flowering & fruiting	White flies & Heliothis	In all vegetable crops white fly infestation observed above ETL. For control of white fly, spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised.			
Brinjal & Tomato	Flowering/ fruiting	Sucking pest → & Fruit borer	To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.			
Chili	Flowering & fruiting	Thrips, mite & Heliothis→ Leaf curling Virus→	In present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml or 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. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Due to high temperature if mite infestation observed, spray propargite 57 % EC 10/10 liter of water for control of mite 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.			

Mango	Fruit	-	Apply irrigation as per need			
	development					
Livestock	Under present	weather condition	keep animals under shade or in sheds during noon			
& poultry	hours, provide plenty of cool water mixed with minerals for drinking and shower the					
	animals with cold water two to three times in a day. Do Vaccination for					
	Haemorrhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals. Udder					
	of milking animals must be properly clean with zinc oxide or boric powder. Also give					
	deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin					
	or Amitral 2 m	l/liter of water.				

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



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

Fax: (0281)2784722, Cell: 94277 28523



Agro met Advisory Service bulletin No.-14 for the Jamnagar district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 19 to 23 May - 2018)

Weather forecast until 08-30 hrs of 23/05/2018

(2) JAMNAGAR DISTRICT:

	19/05/18	20/05/18	21/05/18	22/05/18	23/05/18
Rainfall (mm)	0	0	0	0	0
Max. Temp.(°C)	34	34	35	34	35
Min. Temp.(°C)	28	28	27	27	28
Total CC (octa)	0	0	0	0	0
RH-I (%)	64	61	59	64	57
RH-II (%)	34	30	23	26	22
Wind Speed (kmph)	20	18	18	15	16
Wind Direction(deg.)	283	278	257	273	296

Agro meteorological Advisories:-

General
Advice

- Rain fall: Dry, hot and clear weather forecasted for next five days. Temperature: Maximum and minimum temperature likely to be in range of 34-35°c and 27-28°c, respectively.
- **Relative Humidity**: The RH-I and RH-II is likely to be in the range of 57-64 % & 22-34, respectively.
- Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 15-20 km/h, respectively.
- As per forecast maximum temperature likely to increase by 1-2 °c, so apply light and frequent irrigation by drip system to vegetables' and other summer crops. Also do not go outside during noon hours. Keep animals under shed.

Crops	Stage	Insect/Pest/ Variety	Advisory
Green	Physiological	-	Harvest in time at ripening stage before seed
gram	Maturity		shattering.
Black	Physiological	-	
Gram	Maturity		
Summer	Pod		-
Groundnut	Development		

Sesame Maturity Shattering.	Summer	Physiological		Harvest in time at ripening stage before seed			
Flowering & Fruiting Flowering & Fruit borer Chili Flowering & Fruiting Flowering in Fruiting Flowering & Fruiting Flowering & Fruiting Flowering & Fruiting Flowering in Fruit	Sesame	•		2 0 0			
Flowering & Fruiting Flowering & Fruit borer Chili Flowering & Fruiting Flowering in Fruiting Flowering & Fruiting Flowering & Fruiting Flowering & Fruiting Flowering in Fruit		•	White flies &	C			
Sponge gourd Briting Flowering & Fruiting Fruiting Fruiting Leaf curling Virus → Livestock & populary Fruit of many pound Livestock & populary Lamontangenic populary Lamontangenic populary Leamourhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals with cold water two to three times in a day. Do Vaccination for Haemorrhageic septicemia (H.S.) disease and his population is aboye for populary Leamourhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethring the populary Livestock and the populary Livestock	•	_					
with acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Flowering of Fruiting				* *			
Bottle gourd Bitter gourd Bitter gourd Bitter gourd Brinjal & Flowering/ fruiting Flowering & Fruit borer Chili Flowering & fruiting In present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml or 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. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised goined and be the fruiting population is above and the solution is above and the solution observed, spray profenofos 20 ml or Fipronil 5 SC 20 ml per 10 l of water after fruit picking. Apply Neem based insecticide. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised Due to bigh temperature if mite infestation observed, spray profenofos 20 ml or Fiproni				with acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If			
Sponge gourd Britial & Flowering/ fruiting Flowering & Fruit borer Thrips, mite & Heliothis → Heliot	Bottle	1					
Sponge gourd	gourd			Spinosad 3.0 ml/10 litre of water is advised.			
Britigal & Flowering/ fruiting Flowering & Fruit borer Chili Flowering & Fruiting Flowering & Fruiting Flowering & Fruit borer Chili Flowering & Fruiting Flowering water is advised against fruit borer. 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 10/10 liter of water is advised. Due to high temperature in mit infestation observed, spray propargite 57 % EC 10/10 liter of water is advised. In present weather conditions, rouging of viral infested crop should be done in chilli. Infected plants should be uprooted and		1					
Brinjal & Flowering/ fruiting Flowering & Fruit borer Chili Flowering & Fluiting Flowering & Fruiting Fruiting Flowering & Fruiting Flowering & Fruiting							
To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer. Chili Flowering & Thrips, mite & Heliothis→ Flowering & Fruiting In present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml or 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. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water for control of mite. 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 advisedfor control the vector, when sky remains clear. Mango Fruit development Livestock & poultry Livestock & poultry Livestock Apply irrigation as per need development Livestock by poultry Livestock Apply irrigation as per need development Livestock Apply irrigation of viral infested	Bitter						
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fruiting Fruit borer Rem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water.		Flowering/	Sucking pest →	To control sucking pest spray neem seed extract 5 % or			
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deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin	Anna						
				Ι ν			

TechnicalOfficer, GKMS Unit, DFRS, JAU, Targhadia.



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

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Fax: (0281)2784722, Cell:94277 28523

Agro met Advisory Service bulletin No.-14 for the Amreli district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 19 to 23 May - 2018)

Weather forecast until 08-30 hrs of 23/05/2018

(3) AMRELI DISTRICT:

	19/05/18	20/05/18	21/05/18	22/05/18	23/05/18
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	45	44	43	43	43
Min.Temp.(°C)	26	26	25	25	25
Total CC (octa)	0	0	1	0	0
RH-I (%)	47	48	38	48	45
RH-II (%)	17	15	13	12	14
Wind Speed (kmph)	15	13	12	12	13
Wind Direction(deg.)	275	282	286	272	287

Agro meteorological Advisories:

General Advice

- Rain fall: Dry, hot and mainly clear weather forecasted for next five days. Temperature: Maximum and minimum temperature likely to be in range of 43-45°c and 25-26°c, respectively.
- **Relative Humidity**: The RH-I and RH-II is likely to be in the range of 38-48 % & 12-17, respectively.
- Wind Direction and Speed: Direction and speed of wind is likely to be W, NW and 12-15 km/h, respectively.
- As per forecast maximum temperature likely to remain 43-45 °c, so apply light and frequent irrigation by drip system to vegetables' and other summer crops. Due to hot (Heat wave) weather do not go outside during noon hours. Keep animals under shed.

Crops	Stage	Insect/Pest/ Variety	Advisory
Green	Physiological	-	Harvest in time at ripening stage before seed
gram	Maturity		shattering.
Black	Physiological	-	
Gram	Maturity		
Summer	Pod		-
Groundnut	Development		

Sesame Maturity Shattering. Shattering. In all vegetable crops white fly infestation observed above ETL. For control of white fly, spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Flowering	Summer	Physiological		Harvest in time at ripening stage before seed			
Heliothis Above ETL. For control of white fly, spray 500 ml of 5 % neem seed extract or neem seed oil 50 ml with acetamiprid 20 % SP@ 5.0 gm /10 lit of water. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Flowering Fruiting Flowering Fruiting Fruiting Fruiting Fruiting Fruit population Fruiting Fruiting Fruiting Fruiting Fruit population Fruiting Fruiting Fruiting Fruiting Fruit population Fruiting Frui	Sesame	•		2 0 0			
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Bridge gourd Borne Borne gourd Sponge gourd Brinjal & Tomato Flowering & Fruit to or Leaf curling Virus→ Leaf curling Virus→ To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If the spraying of Spinosad 3.0 ml/10 litre of water is advised. To control sucking pest spray neem seed extract 5 % or neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer. Chili Flowering & Thrips, mite & Heliothis→ Fruiting Leaf curling Virus→ Leaf curling Virus→ In present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml or Triazophos 40 EC @ 10 ml or Acephate 75 SP 10 g or Fipronil 5 SC 20 ml per 10 1 of water after fruit picking. Apply Neem based insecticide. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Due to high temperature if mite infestation observed, spray propargite 57 % EC 10/10 litre of water for control of mite. 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 of mite. Livestock Pruit Under present weather condition keep animals under shade or in sheds during noon hours, provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day. Do Vaccination for Haemorrhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals. Udder of milking animals must be properly clean with zinc oxide or boric powder. Also give deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin	•	_					
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		of milking animals must be properly clean with zinc oxide or boric powder. Also give					
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TechnicalOfficer, GKMS Unit, DFRS, JAU, Targhadia.



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



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

Agro met Advisory Service bulletin No.-14 for the Surendranagar district

(Issued jointly by DFRS, J.A.U., Targhadia (Rajkot) and India Meteorological Department) (Period 19 to 23 May - 2018)

Weather forecast until 08-30 hrs of 23/05/2018

(4) SURENDRANAGAR DISTRICT:

	19/05/18	20/05/18	21/05/18	22/05/18	23/05/18
Rainfall (mm)	0	0	0	0	0
Max.Temp.(°C)	44	43	43	43	43
Min.Temp.(°C)	28	28	27	27	27
Total CC (octa)	0	0	0	0	0
RH-I (%)	49	46	44	45	38
RH-II (%)	15	13	9	12	10
Wind Speed (kmph)	20	16	15	12	12
Wind Direction(deg.)	273	264	262	262	276

Agro meteorological advisories:

General	l
Advice	

- Rain fall: Dry, hot and clear weather forecasted for next five days. Temperature: Maximum and minimum temperature likely to be in range of 43-44°c and 27-28°c, respectively.
- **Relative Humidity**: The RH-I and RH-II is likely to be in the range of 38-49 % & 9-15, respectively.
- Wind Direction and Speed: Direction and speed of wind is likely to be W and 12-20 km/h, respectively.
- As per forecast maximum temperature likely to remain 43-44 °c, so apply light and frequent irrigation by drip system to vegetables' and other summer crops. Due to hot (Heat wave) weather do not go outside during noon hours. Keep animals under shed.

Crops	Stage	Insect/Pest/ Variety	Advisory
Green	Physiological	-	Harvest in time at ripening stage before seed
gram	Maturity		shattering.
Black	Physiological	-	
Gram	Maturity		
Summer	Pod		-
Groundnut	Development	8	

Summer	Physiological		Harvest in time at ripening stage before seed	
Sesame	Maturity		shattering.	
Lady	Flowering &	White flies &	In all vegetable crops white fly infestation observed	
finger	fruiting	Heliothis	above ETL. For control of white fly, spray 500 ml	
Ridge			of 5 % neem seed extract or neem seed oil 50 ml	
gourd			with acetamiprid 20 % SP@ 5.0 gm / 10 lit of water. If	
Bottle			Heliothis population is above ETL than spraying of	
gourd			Spinosad 3.0 ml/10 litre of water is advised.	
Sponge				
gourd				
Bitter				
gourd				
Brinjal &	Flowering/	Sucking pest →	To control sucking pest spray neem seed extract 5 % or	
Tomato	fruiting	& Fruit borer	neem seed oil 50 ml and To control them spray acetamiprid 20 % SP@ 5.0 gm / 10 lit of water.	
			In brinjal and tomato constant monitoring of borers by using pheromone traps 4-6 per acre is advised, If insect population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised against fruit borer.	
Chili	Flowering & fruiting	Thrips, mite & Heliothis→ Leaf curling Virus→	In present weather conditions severe attack of thrips has been reported. Spray profenofos 20 ml or 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. If Heliothis population is above ETL than spraying of Spinosad 3.0 ml/10 litre of water is advised. Due to high temperature if mite infestation observed, spray propargite 57 % EC 10/10 liter of water for control of mite 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.	
Mango	Fruit	-	Apply irrigation as per need	
	development			
Livestock	Under present weather condition keep animals under shade or in sheds during noon			
& poultry	hours, provide plenty of cool water mixed with minerals for drinking and shower the			
	animals with	animals with cold water two to three times in a day. Do Vaccination for		
	Haemorrhageic septicemia (H.S.) disease and Blue Quarter (B.Q.) in animals. Udder			
	of milking animals must be properly clean with zinc oxide or boric powder. Also give			
	deworming tablet to younger animals. For control of ticks and mites spray Deltamethrin			
	or Amitral 2 ml/liter of water.			
	Technical Officer CKMS Unit DERS IAU Targhadi			

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