CROP WEATHER CALENDARS

FOR

RAJASTHAN

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CONTENTS

Crop	Page No.	Districts	Crop	Page No.	Districts
Bajra	1	Nagaur, Jodhpur, Sirohi, Jalore Jhunjhunu, Pali, Barmer	Mustard	15	Bharatpur
				16	Alwar, Nagaur, Jodhpur, Dholpur
	2	Bharatpur, Sawai Madhopur		17	Chittorgarh, Jhunjhunu
	3	Churu		18	Churu
	4	Jaipur			
	5	Tonk, Jaisalmer, Jodhpur	Jowar	19	Ajmer
	6	Sikar, Alwar		20	Bundi, Tonk (Malpura)
	7	Ajmer		21	Chittorgarh
	8	Bikaner			
			Gram	22	Churu
Wheat	9	Dholpur, Pali, Jhunjhunu		23	Chittorgarh,Tonk,Tonk(Malpura), Jhalawar
	10	Kota		24	Pali
	11	Bharatpur, Sawai Madhopur			
	12	Chittorgarh, Bhilwara	Groundnut	25	Chittorgarh, Tonk
	13	Sikar, Jaipur			
	14	Tonk, Tonk(Malpura),Jhalawar	Paddy	26	Banswara

CROP WEATHER CALENDAR

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STATE : RAJASTHAN
DISTRICTS : NAGAUR,JODHPUR,SIROHI,JALORE JHUNJHUNU,PALI,BARMER

CROP : BAJRA(KHARIF) **VARIETY :** WCC-75,MH179,RCB-2,HHB-60,,RAJ-171,ICMH-356
NON-IRRIGATED **DURATION :** 80-100 DAYS

SOIL : SANDY, SANDY LOAM

Weather warnings	*Rain*	> 100 MM/DAY	> 150 MM/DAY	ANY RAIN
	Duration of wet spell	> 20 MM FOR 7 DAYS	> 40 MM FOR 5 DAYS	> 20 MM FOR 5 DAYS
	Cloudy weather			
	Drought	20 DAYS	20 DAYS	15 DAYS
	High winds	> 15 KM/HR	> 15 KM/HR	> 15 KM/HR
	Temperature	MAX TEMP. > 40°C, MIN TEMP. < 20°C	MAX TEMP.> 40°C, MIN TEMP. < 15°C	MAX TEMP. >35°C, MIN TEMP .<15°C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	ROOT BUG,GRASS HOPPER, RED HAIRY CATER PILLAR	WHITE GRUB,KATRA,ERGOT, MILLOSERUS,LEAF MINER	CHAFER BEETLE,BLISTAR BEETLE, WHITE GRUB,EAR WORMS
	Weather	HEAVY RAIN, CLOUDY WEATHER	CLOUDY AND MOIST WEATHER	HEAVY RAIN
	Diseases	DOWNY MILDEW	DOWNY MILDEW,SMUT, ERGOT,GREEN EAR	LEAF SPOT, PIRY CULARIA
	Weather	HEAVY RAIN, CLOUDY WEATHER	CLOUDY WEATHER, HIGH RAINFALL	HEAVY RAIN,CLOUDY WEATHER HIGH RH

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CROP WEATHER CALENDAR

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STATE : RAJASTHAN **CROP :** BAJRA (KHARIF) **VARIETY** : MH 179, WCC-75,RHB-58,RAJ-171,ICMH-356 **SOIL :** ALLUVIAL AND CLAY

DISTRICTS : BHARATPUR, SAWAI MADHOPUR **NON-IRRIGATED** **DURATION :** 85-100 DAYS

Weather warnings	*Rain*	> 80 MM/DAY	> 100 MM/DAY	ANY RAIN
	Duration of wet spell	> 15 MM FOR 4 DAYS		
	Cloudy weather			CLOUDY WEATHER
	Drought	25 DAYS	30 DAYS	25 DAYS
	High winds			
	Temperature	MAX. TEMP. > 40^{0}C, MIN. TEMP. < 15^{0}C	MAX. TEMP. > 40^{0}C, MIN. TEMP.< 15^{0}C	MAX. TEMP. >40^{0}C, MIN. TEMP.< 15^{0}C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES, WHITE GRUB GREY WEEVIL, RUSTBUG	TERMITES, CHAFER BEETLE	TERMITES
	Weather	LOW TEMP. AND HIGH RELATIVE HUMIDITY	LOW TEMP. AND HIGH RELATIVE HUMIDITY	LOW TEMP. AND HIGH RELATIVE HUMIDITY
	Diseases	DOWNY MILDEW	DOWNY MILDEW, GRAIN SMUT, ERGOT	SMUT
	Weather	HIGH RH, LOW TEMP., VERY HIGH TEMP.	HIGH RH, LOW TEMP., VERY HIGH TEMP.	HIGH RH, LOW TEMP., VERY HIGH TEMP.

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CROP WEATHER CALENDAR

STATE : RAJASTHAN
DISTRICTS : CHURU

CROP : BAJRA (KHARIF)
NON-IRRIGATED

VARIETY : RCB-2, MH-179,WCC-75,HHB-60/67
DURATION : 90-100 DAYS

SOIL : SANDY SOILS

Weather warnings	*Rain*	> 40 MM/DAY	> 80 MM/DAY	> 40 MM/DAY
	Duration of wet spell	> 40 MM FOR 4 DAYS	> 80 MM FOR 2 DAYS	> 40 MM FOR 3 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	20 DAYS	20 DAYS	20 DAYS
	High winds			
	Temperature	LOW TEMP. DOES NOT AFFECT MUCH IN KHARIF SEASON MAX. TEMP. >40^{0}C		
	Hail Storm	HAIL STORM		HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*		ROOT CUTTER, FIELDS CRICKETS	CHIPKIR BEETLES
	Weather		CLOUDY WEATHER	CLOUDY WEATHER
	Diseases	DOWNY MILDEW		
	Weather	EXCESS RAIN AND CLOUDY WEATHER		

Normal phase wise water requirement(mm)		**38.4**	**104.8**	**192.7**	**98.6**	**37.7**	

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CROP WEATHER CALENDAR

STATE : RAJASTHAN
DISTRICTS : JAIPUR

CROP : BAJRA (KHARIF)
NON-IRRIGATED

VARIETY : RCB-2,MH 179,HHB 60 & 67,RAJ-171,WCC-75,ICMH-356
DURATION : 100-110 DAYS (85- 90 DAYS IN DROUGHT CONDITION)

SOIL : SANDY LOAM

Weather warnings	*Rain*	> 40-50 MM/DAY	> 150 MM/DAY	ANY RAIN
	Duration of wet spell			
	Cloudy weather	CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER
	Drought	10 DAYS	10 DAYS	10 DAYS
	High winds			
	Temperature	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 10^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 10^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 10^{0}C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*			
	Weather			
	Diseases	DOWNY MILDEW		
	Weather	HIGH HUMIDITY WITH CLOUDY WEATHER		

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** BAJRA(KHARIF) **VARIETY** : WCC-75, MH-179, RCB-2HHB-60 & 67, RAJ-171, ICMH-356 **SOIL :** SANDY LOAM

DISTRICTS : TONK,JAISALMER,JODHPUR **NON-IRRIGATED** **DURATION :** 85- 110 DAYS

Weather warnings	*Rain*	> 60 MM/DAY	> 40 MM/DAY	ANY RAIN
	Duration of wet spell	> 25 MM FOR 3 DAYS	> 15 MM FOR 5 DAYS	> 10 MM FOR 5 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	30 DAYS	15-20 DAYS	10 DAYS
	High winds	> 12 KM/HR	> 10 KM/HR	> 10 KM/HR
	Temperature	MAX. TEMP. > 40^{0}C	MAX. TEMP. > 40^{0}C	MAX. TEMP. > 40^{0}C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	RED HAIRY CATER PILLAR SURFACE GRASS HOPPER	LEAF ROLLERS	EAR WORM,BLISTER BEETLE, CHAFER BEETLE
	Weather	PREMONSOON SHOWER	HIGH RAINFALL	
	Diseases	DOWNY MILDEW,	DOWNY MILDEW,WHITE GRUB, HAIRY CATTERPILLER	CHAFER BEETLE
	Weather	HIGH RH, CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER, HIGH TEMPERATURE	HIGH RH, CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** BAJRA (KHARIF) **VARIETY** : MH-179, WCC-75, RAJ-171, ICMH-356, HHB-60 & 67 **SOIL :** SANDY, SANDY LOAM

DISTRICTS : SIKAR, ALWAR **NON-IRRIGATED** **DURATION :** 110- 120 DAYS

Weather warnings	*Rain*	> 70 MM/DAY	> 150 MM/DAY	> 50 MM/DAY
	Duration of wet spell	> 20 MM FOR 3 DAYS	> 30 MM FOR 3 DAYS	ANY RAIN
	Cloudy weather			CLOUDY WEATHER
	Drought	10-15 DAYS		
	High winds	> 60 KM/HR	> 50 KM/HR	> 40 KM/HR
	Temperature	MAX. TEMP. > 45^0C, MIN. TEMP. < 25^0C	MAX. TEMP. > 30^0C, MIN. TEMP. < 20^0C	MAX. TEMP. > 35^0C, MIN.TEMP. < 15^0C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	WHITE GRUB	WHITE GRUB	WHITE GRUB
	Weather	CONTINUOUS RAIN	CONTIUNOUS RAIN	CONTINUOUS RAIN
	Diseases	DOWNY MILDEW	DOWNY MILDEW	ERGOT
	Weather	CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER

Normal phase wise water requirement(mm)		**65.5**	**136.7**	**121.1**	**83.3**	**30.8**

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** BAJRA (KHARIF) **VARIETY** MH-179,RCB-2,WCC-75,RHB-30,ICMH-356,RAJ-171 **SOIL :** LIGHT TEXTURE

DISTRICTS : AJMER **NON-IRRIGATED** **DURATION :** 85-100 DAYS

Weather warnings	*Rain*	> 30 MM/DAY	> 50 MM/DAY	> 30 MM/DAY
	Duration of wet spell	> 20 MM FOR 3 DAYS	> 30 MM FOR 2 DAYS	> 10 MM FOR 1 DAY
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	25 DAYS	15 DAYS	15 DAYS
	High winds			
	Temperature	MAX. TEMP.> 35^{0}C,MIN. TEMP. < 25^{0}C	MAX. TEMP.> 38^{0}C	MAX. TEMP. > 38^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	SHOOT BORER	
	Weather	HIGH TEMP/ RH	HIGH TEMP/ RH	
	Diseases	DOWNY MILDEW	GREEN EAR ERGOT	
	Weather	HIGH RH/TEMP	HIGH RH/TEMP.	

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** BAJRA (KHARIF) **VARIETY** : WCC-75,RCB-2,HHB-67,RAJ-171 **SOIL :** SANDY LIGHT

DISTRICTS : BIKANER **NON-IRRIGATED** **DURATION :** 85-110 DAYS

Weather warnings	*Rain*		ANY RAIN	ANY RAIN
	Duration of wet spell			
	Cloudy weather			CLOUDY WEATHER
	Drought	20 DAYS	30 DAYS	30 DAYS
	High winds			
	Temperature	MAX. TEMP. > 30°C	MAX. TEMP.> 40°C	MAX. TEMP.> 40°C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES,WHITE GRUB	SHOOT FLY, HAIRY CUTTER	
	Weather	HIGH RH, CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER	
	Diseases	ERGOT,GREEN EAR LEAF	RUST	SMUT
	Weather	HIGH RH, CLOUDINESS	HIGH RH, CLOUDINESS	HIGH RH, CLOUDINESS

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP** : WHEAT **VARIETY** : HD-2329,RAJ-1482,3077HD-2009,WH-147, KHARCHIYA-65,SONALIKA,RAJ-3765 **SOIL** : SANDY OR SANDY LOAM

DISTRICTS : DHOLPUR, PALI, JHUNJHUNU **IRRIGATED** **DURATION** : 135-145 DAYS

Weather warnings	*Rain*	> 80 MM/DAY	>100 MM/DAY	> 80 MM/DAY
	Duration of wet spell	> 40 MM FOR 3-4 DAYS	> 50 MM FOR 3-4 DAYS	> 40 MM FOR 2-3 DAYS
	Cloudy weather	CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER
	Drought			
	High winds	HIGH WINDS		
	Temperature	MAX. TEMP. >21^{0}C,MIN. TEMP. < 14^{0}C	MAX.TEMP.>15^{0}C,MIN.TEMP.< 7^{0}C	MAX. TEMP.> 25^{0}C, MIN. TEMP.<10^{0}C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	SHOOT FLY, WHITE ANT AND MITES	SHOOT FLY OR BORER, WHITE ANT HELIOTHIS AND MITES	SHOOT FLY OR BORER,WHITE ANT HELIOTHIS AND MITES
	Weather	SLIGHT HUMIDITY, LOW TEMP.	SLIGHT HUMIDITY, LOW TEMP.	SLIGHT HUMIDITY, LOW TEMP.
	Diseases	RUST, LOOSE SMUT, BLIGHT	RUST, LOOSE SMUT, BLIGHT	RUST, LOOSE SMUT, BLIGHT
	Weather	CLOUDY HUMID WEATHER	CLOUDY HUMID WEATHER	CLOUDY HUMID WEATHER

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CROP WEATHER CALENDAR

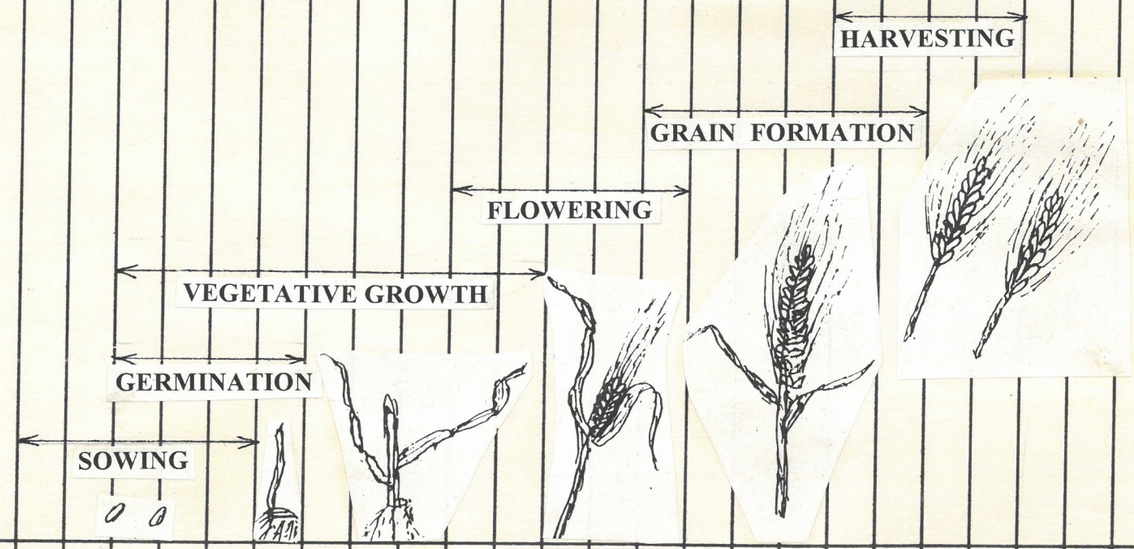
STATE : RAJASTHAN **CROP** : WHEAT **VARIETY** : LOK-1, WH-147,RAJ-3077,RAJ-3765,DL803-3,HD 8381 **SOIL** : MEDIUM TO HEAVY CLAY

DISTRICTS : KOTA **IRRIGATED** **DURATION** : 140-150 DAYS

Weather warnings	*Rain*	> 40 MM/DAY	> 80 MM/DAY	ANY RAIN
	Duration of wet spell			
	Cloudy weather			
	Drought	30 DAYS	25 DAYS	30 DAYS
	High winds			
	Temperature			
	Hail Storm			HAIL STROM
Weather conditions favourable for incidence of pests and diseases	*Pests*	SHOOT FLY	SHOOT FLY	
	Weather	HIGH TEMPERATURE	HIGH TEMPERATURE	
	Diseases		BROWN RUST	
	Weather		HIGH RH AND LOW TEMP	

Normal phase wise water requirement(mm)		**30.1**				**85.1**						**108.6**				**101.5**				**30.7**		
Weekly normal weather	*Rainfall(mm) total*	4.2	7.2	1.0	0.0	0.0	3.3	0.2	0.0	0.0	0.4	0.8	0.3	0.5	0.5	1.8	0.8	0.8	0.5	0.9	0.0	0.5
	Max. temp. ^0C	29.2	28.1	26.2	25.2	25.9	25.4	24.3	24.2	23.7	23.8	23.9	23.7	24.7	26.7	28.0	29.6	30.7	32.1	33.6	35.4	35.7
	Min. temp. ^0C	12.2	11.5	9.7	8.3	7.9	8.6	7.6	6.8	7.1	7.3	7.6	7.7	7.1	9.2	10.5	11.8	12.7	14.0	15.5	17.3	18.7
	Sunshine hours	9.4	8.7	8.9	9.1	9.2	9.0	8.9	8.7	9.1	9.3	9.4	9.2	9.3	9.4	9.9	9.9	9.7	9.5	9.5	9.2	9.6

Life history and mean dates of important epochs of crop growth



Standard weeks	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Months	NOVEMBER			DECEMBER						JANUARY				FEBRUARY				MARCH					APRIL			

D.D.G.M.(AGRIMET), I.M.D., PUNE 2002.

RH - Relative Humidity

CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** WHEAT **VARIETY** : HD-2 329,RAJ-1482,LOK-1,RAJ-3077,3765,WH-147 **SOIL :** ALLUVIAL CLAY LOAM

DISTRICTS : BHARATPUR,SAWAI MADHOPUR **IRRIGATED** **DURATION :** 110-130 DAYS

Weather warnings	*Rain*	> 75 MM/DAY	>100 MM/DAY	ANY RAIN
	Duration of wet spell	> 75 MM FOR 2 DAYS	> 75 MM FOR 2 DAYS	> 75 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought			
	High winds			
	Temperature	MAX. TEMP.>33^{0}C,MIN.TEMP.<5^{0}C	MAX.TEMP.>28^{0}C,MIN.TEMP.<0^{0}C	MAX. TEMP. > 33^{0}C,MIN. TEMP. < 5^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITE, ARMY WORM	TERMITE	TERMITE
	Weather	MOISTURE STRESS	HIGH TEMP, LOW HUMIDITY	HIGH TEMP, LOW HUMIDITY
	Diseases	RUST BELITE, MOLYA, COCKERG SMUT	RUST BELITE, MOLYA, COCKERG SMUT	RUST BELITE, MOLYA, COCKERG SMUT
	Weather	LOW TEMP., HIGH HUMIDITY	LOW TEMP., HIGH HUMIDITY	LOW TEMP., HIGH HUMIDITY

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** WHEAT **VARIETY** : LOK-1, WH-147,K-SONA,RAJ-3765,RAJ-3077 **SOIL :** SANDY LOAM TO CLAY

DISTRICTS : CHITTORGARH, BHILWARA **IRRIGATED** **DURATION :** 120-140 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 80 MM/DAY ANY RAIN
	Duration of wet spell	> 100 MM FOR 2 DAYS	> 150 MM FOR 3 DAYS > 100 MM FOR 5 DAYS
	Cloudy weather	CLOUDY WEATHER	
	Drought		
	High winds		
	Temperature	MAX. TEMP.>35^{0}C,MIN. TEMP. <3.5^{0}C	MAX.TEMP.>20^{0}C,MIN.TEMP.<0^{0}C MAX.TEMP.> 25^{0}C,MIN.TEMP. <10^{0}C
	Hail Storm		HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITE	SHOOT BORER TERMITE
	Weather		LOW MOISTURE
	Diseases	RUST	SMUT
	Weather	HIGH RH,LOW TEMP.	HIGH RH,LOW TEMP.

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** WHEAT **VARIETY** : WH-147,RAJ-1482, 3077&3765, LOK-I **SOIL :** SANDY TO SANDY LOAM
DISTRICTS : SIKAR, JAIPUR **IRRIGATED** **DURATION :** 120-135 DAYS

Weather warnings	*Rain*	> 30 MM/DAY	> 100 MM/DAY	ANY RAIN
	Duration of wet spell	> 30 MM FOR 2 DAYS	> 100 MM FOR 3 DAYS	> 30 MM FOR 2 DAYS
	Cloudy weather	CLOUDY WEATHER	CLOUDY WEATHER	
	Drought			
	High winds	> 60-75 KM/HR	> 40 KM/HR	> 25 KM/HR
	Temperature	MAX. TEMP.> 35^{0}C MIN. TEMP. < 20^{0}C	MAX. TEMP.>25^{0}C MIN. TEMP. < 5^{0}C	MAX. TEMP. > 30^{0}C MIN. TEMP. <25^{0}C
	Hail Storm		HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*	WHITE ANTS(TERMITES)	WHITE ANTS	WHITE ANTS
	Weather	DRY WEATHER	DRY WEATHER	DRY WEATHER
	Diseases	YELLOW RUST	YELLOW RUST	YELLOW RUST
	Weather	CLOUDY WEATHER WITH HIGH TEMP.	CLOUDY WEATHER WITH HIGH TEMP.	CLOUDY WEATHER WITH HIGH TEMP.

| **Normal phase wise water requirement(mm)** | | | |

CROP WEATHER CALENDAR

STATE : RAJASTHAN
DISTRICTS : TONK, TONK(MALPURA) JHALAWAR

CROP : WHEAT
IRRIGATED

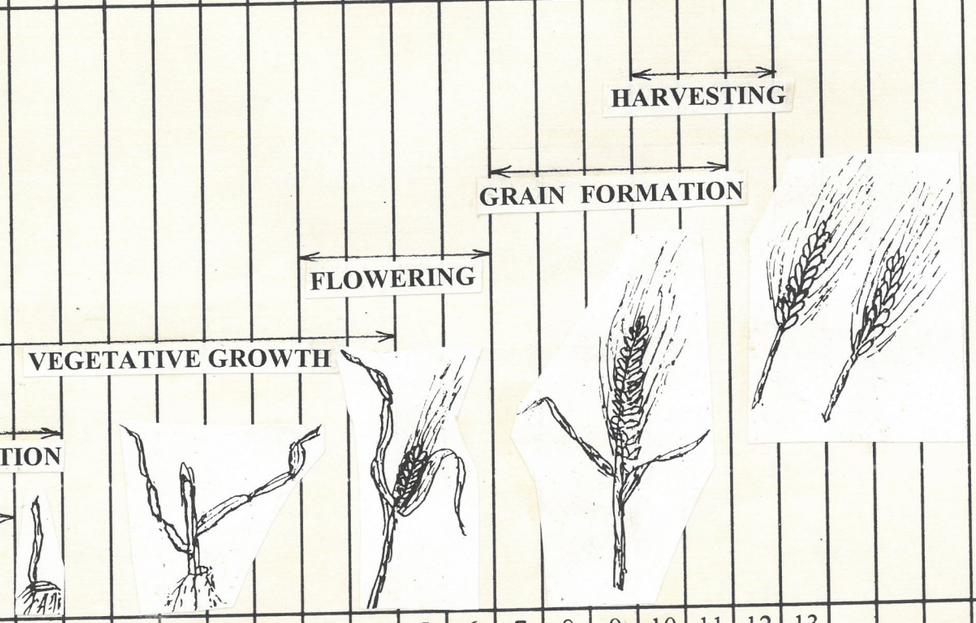
VARIETY : K-SONA,WH-147,RAJ-1555,LOK-1,DL-803-3
DURATION : 120-140 DAYS

SOIL : SANDY LOAM

Weather warnings	*Rain*	> 25 MM/DAY	> 50 MM/DAY	ANY RAIN
	Duration of wet spell	> 25 MM FOR 2 DAYS	> 50 MM FOR 3 DAYS	> 25 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	20 DAYS	30 DAYS	25-30 DAYS
	High winds			
	Temperature	MAX.TEMP.>35^{0}C, MIN.TEMP.<20^{0}C	MAX.TEMP.>30^{0}C, MIN.TEMP.<10^{0}C	MIN. TEMP. < 20^{0}C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	SHOOT FLY	APHIDS, MITES, ARMY WORM, TERMITES	TERMITES
	Weather	HIGH RH AND CLOUDY WEATHER	HIGH RH AND CLOUDY WEATHER	HIGH RH AND CLOUDY WEATHER
	Diseases		WILT, LEAF SPOT, RUST	LOOSE SMUT, EARCOCKLE
	Weather		HIGH RH AND TEMP.	HIGH RH AND TEMP.

Normal phase wise water requirement(mm)		**20.8**			**85.2**							**92.0**				**83.4**				**16.5**	
Weekly normal weather	*Rainfall(mm) total*	2.5	0.5	0.3	1.3	1.3	0.2	0.6	0.5	0.2	0.4	3.2	1.0	0.8	0.5	1.4	1.5	1.5	0.1	0.2	0.4
	Max. temp. ^{0}C	30.9	30.6	29.7	27.2	26.0	26.3	25.5	24.6	25.5	24.9	24.8	24.4	24.6	25.1	27.5	29.1	29.7	31.8	33.3	35.0
	Min. temp. ^{0}C	12.9	12.3	11.7	9.8	9.2	8.8	8.9	8.6	7.3	8.0	8.2	8.3	8.2	7.9	10.3	12.5	12.3	14.7	15.8	17.0
	Sunshine hours	9.1	9.1	8.7	8.9	9.1	9.2	8.8	8.6	9.2	9.4	9.4	9.4	9.3	9.3	9.3	9.2	9.6	9.9	9.3	9.9

Life history and mean dates of important epochs of crop growth



Standard weeks	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13
Months	NOVEMBER					DECEMBER				JANUARY					FEBRUARY				MARCH			

RH - Relative Humidity

D.D.G.M.(AGRIMET), I.M.D., PUNE 2002.

CROP WEATHER CALENDAR

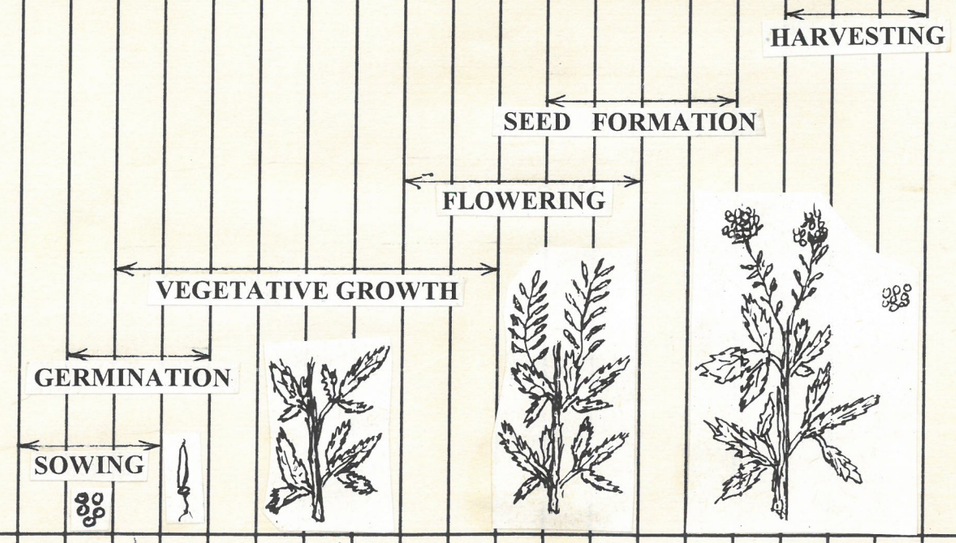
STATE : RAJASTHAN **CROP** : MUSTARD **VARIETY** : T-59, (VARUNA)RH-30, PR-15, RH-819,PCR-7, BIO-902 **SOIL** : ALLUVIAL, CLAY LOAM

DISTRICTS : BHARATPUR **NON-IRRIGATED** **DURATION** : 125-130 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 75 MM/DAY	ANY RAIN
	Duration of wet spell	>50 MM FOR 2 DAYS	>50 MM FOR 2 DAYS	> 50 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought .			
	High winds			
	Temperature	MAX. TEMP. > 35^{0}C MIN. TEMP. < 5^{0}C	MAX. TEMP. > 30^{0}C MIN. TEMP. < 10^{0}C	MAX. TEMP. > 32^{0}C MIN. TEMP. < 10^{0}C
	Hail Storm		HAILSTORM	HAILSTORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	PAINTED BUG AND MUSTARD SAWFLY	PAINTED BUG AND APHID	PAINTED BUG AND APHID
	Weather	HIGH TEMP AND MOISTURE STRESS,CLOUDINESS	HIGH TEMP AND MOISTURE STRESS,CLOUDY WEATHER	HIGH TEMP AND MOISTURE STRESS,CLOUDINESS
	Diseases		WHITE RUST ALTERNARIA	WHITE RUST ALTERNARIA, BLIGHT
	Weather		LOW TEMP., HIGH RH	LOW TEMP., HIGH RH

Normal phase wise water requirement(mm)		**21.0**			**61.3**					**57.2**				**33.9**				**10.8**		
Weekly normal weather	*Rainfall(mm) total*	9.5	9.4	0.0	0.6	0.1	0.5	0.8	2.6	1.1	0.1	1.9	2.5	2.4	1.0	0.4	2.6	6.6	0.6	1.2
	Max. temp. ^0C	35.4	34.4	34.6	33.8	32.3	31.6	29.7	28.3	26.3	25.6	25.4	24.1	23.8	21.9	22.5	22.4	22.5	22.5	23.6
	Min. temp. ^0C	21.4	20.4	18.6	17.3	15.6	13.8	12.7	11.4	9.6	8.4	8.1	7.9	7.8	6.8	6.8	7.0	8.0	7.4	7.5
	Sunshine hours	9.6	9.5	9.7	9.7	9.7	9.1	9.4	8.6	9.0	9.0	9.0	8.0	8.0	7.5	8.7	8.8	8.8	8.8	8.9

Life history and mean dates of important epochs of crop growth



Standard weeks	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6
Months	OCTOBER				NOVEMBER					DECEMBER				JANUARY					

D.D.G.M.(AGRIMET), I.M.D., PUNE 2002.

RH - Relative Humidity

CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP** : MUSTARD **VARIETY** : T-59, PUSABOLD, BIO-902, RH-30 **SOIL** : SANDY LOAM

DISTRICTS : ALWAR,NAGAUR, JODHPUR, DHOLPUR **IRRIGATED** **DURATION** : 120-130 DAYS

Weather warnings	*Rain*	> 10 MM/DAY	> 6 MM/DAY	> 25 MM/DAY
	Duration of wet spell	> 10 MM FOR 2 DAYS		> 10 MM FOR 3 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	30 DAYS	15 DAYS	15 DAYS
	High winds	> 8 KM/HR	> 8 KM/HR	> 8 KM/HR
	Temperature	MAX. TEMP. >35^{0}C MIN. TEMP. <10^{0}C	MAX. TEMP. >30^{0}C MIN. TEMP. <5^{0}C	MAX. TEMP. >35^{0}C MIN.TEMP.<10^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	SAWFLY, PAINTED BUG, APHIDS	SAWFLY, DIAMOND BACK, MOTH	SAWFLY, DIAMOND BACK, MOTH, APHIDS AND LEAF MINER
	Weather	CLOUDY WEATHER	COLD WEATHER, HIGH HUMIDITY	COLD WEATHER, HIGH HUMIDITY
	Diseases	WHITE RUST	WHITE RUST	POWDERY MILDEW
	Weather	CLOUDINESS	CLOUDINESS	HIGH HUMIDITY AND CLOUDY WEATHER

Normal phase wise water requirement(mm)		**36.4**	**64.8**	**89.9**	**38.0**	**27.1**

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** MUSTARD **VARIETY** : T-59, BIO-902, RH-30 **SOIL :** SANDY LOAM, CLAY

DISTRICTS : CHITTORGARH, JHUNJHUNU **IRRIGATED** **DURATION :** 120-125 DAYS

Weather warnings	*Rain*	> 60 MM/DAY	> 100 MM/DAY	ANY RAIN
	Duration of wet spell	> 80 MM FOR 1 DAY	> 100 MM FOR 2 DAYS	> 80 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	35 DAYS	35 DAYS	35 DAYS
	High winds			
	Temperature	MAX. TEMP. > 32^{0}C MIN. TEMP.< 18^{0}C	MAX. TEMP. > 22^{0}C MIN. TEMP.< 8^{0}C	MAX. TEMP. > 25^{0}C MIN. TEMP. < 12^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	PAINTED BUG	APHIDS	APHIDS
	Weather	DRY ATMOSPHERE	HIGH HUMIDITY	HIGH HUMIDITY
	Diseases		BLIGHT DOWNY MILDEW, WHITE RUST	MILDEW AND RUST, WHITE RUST
	Weather		HIGH HUMIDITY	CLOUDY HOT WEATHER

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** MUSTARD **VARIETY** : T-59, PUSA BOLD, RLM--619 **SOIL :** DESERTIC LIGHT

DISTRICTS : CHURU **IRRIGATED** **DURATION :** 120-130 DAYS

Weather warnings	*Rain*	> 40 MM/DAY	
	Duration of wet spell	> 40 MM FOR 1 DAY	> 40 MM FOR 3 DAYS
	Cloudy weather		
	Drought		
	High winds		
	Temperature	MAX. TEMP. > 40^{0}C, MIN.TEMP < 0^{0}C	
	Hail Storm		HAILSTORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	APHIDS
	Weather	CLOUDY WEATHER	CLOUDY WEATHER
	Diseases	WHITE RUST	
	Weather	CLOUDY WEATHER	

| **Normal phase wise water requirement(mm)** | | |

CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** JOWAR (KHARIF) **VARIETY** : LOCAL, CSH-6, SPV-15 **SOIL :** LIGHT TEXTURE

DISTRICTS : AJMER **NON-IRRIGATED** **DURATION :** 90-110 DAYS

Weather warnings	*Rain*	> 30 MM/DAY	> 50 MM/DAY	> 30 MM/ DAY
	Duration of wet spell	> 20 MM FOR 3 DAYS	> 30 MM FOR 2 DAYS	>10 MM FOR 1 DAY
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	20 DAYS	15 DAYS	15 DAYS
	High winds			
	Temperature	MAX.TEMP >35^{0}C, MIN.TEMP <20^{0}C	MAX.TEMP >38^{0}C	MAX.TEMP > 38^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	SHOOT BORER	
	Weather	HIGH RH AND HIGH TEMPERATURE		
	Diseases	ANTHRAXNOSE	DOWNY MILDEW	SMUT
	Weather	HIGH HUMIDITY AND HIGH TEMP.	HIGH HUMIDITY AND HIGH TEMP.	HIGH HUMIDITY AND HIGH TEMP.

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP** : JOWAR (KHARIF) **VARIETY** : LOCAL, CSH-5, CSH-6, SPV-346 & 245 **SOIL** : BLACK CLAY

DISTRICTS : BUNDI,TONK(MALPURA) **NON-IRRIGATED** **DURATION** : 155-160 DAYS

Weather warnings	*Rain*		ANY RAIN	ANY RAIN
	Duration of wet spell	> 20 MM/DAY	> 10 MM/DAY	> 10 MM/DAY
	Cloudy weather		CLOUDY WEATHER	
	Drought	7 DAYS	15 DAYS	
	High winds			
	Temperature	MAX.TEMP. > 35^{0}C MIN. TEMP. < 20^{0}C	MAX. TEMP. > 35^{0}C MIN.TEMP. < 20^{0}C	
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	FIELD CRIKETS	RED HAIRY CATER PILLAR	
	Weather	CLOUDY WEATHER	CLOUDY WEATHER	
	Diseases	DOWNY MILDEW	SMUT	SMUT
	Weather	HIGH RH AND CLOUDY WEATHER		

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** JOWAR (KHARIF) **VARIETY** : LOCAL, CSH-5, 6,9,13 AND 14, SPV-245 & 346 **SOIL :** SANDY LOAM TO CLAY

DISTRICTS : CHITTORGARH **NON-IRRIGATED** **DURATION** : 110-120 DAYS

Weather warnings	*Rain*	> 70 MM/DAY	>100 MM/DAY	> 100 MM/DAY
	Duration of wet spell	> 100 MM FOR 2 DAYS	>140 MM FOR 4 DAYS	> 80 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	8 DAYS	20 DAYS	10 DAYS
	High winds			
	Temperature	MAX. TEMP. > 25°C MIN. TEMP. < 10°C	MAX. TEMP. > 30°C MIN. TEMP. < 15°C	MAX .TEMP. > 25°C MIN.TEMP. < 15°C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	SHOOT BORER	SHOOT BORER
	Weather	DRY WEATHER	HIGH RH	HIGH RH
	Diseases		LEAF SPOT	
	Weather		HIGH RH	

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** GRAM **VARIETY** : H-208, C- 235, GNG -146 ,GNG-663 (VARDAN) **SOIL :** SANDY

DISTRICTS : CHURU **NON-IRRIGATED** **DURATION :** 135-150 DAYS

Weather warnings	*Rain*	> 30 MM/DAY	> 30 MM / DAY ANY RAIN
	Duration of wet spell		> 30 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER
	Drought	90 DAYS	
	High winds		
	Temperature	MAX. TEMP.> 40^{0}C	MIN. TEMP. < 5^{0}C
	Hail Storm		HAIL STROM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	POD BORER
	Weather		CLOUDY WEATHER, COLD WAVE AND HAILSTORM
	Diseases	BLIGHT	BLIGHT
	Weather	HIGH HUMIDITY AND CLOUDY WEATHER	HIGH HUMIDITY AND CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** GRAM **VARIETY** : D-YELLOW,H-208,C 235, PUSA 209 **SOIL :** SANDY LOAM

DISTRICTS : CHITTORGARH, TONK **IRRIGATED, NON-IRRIGATED** **DURATION :** 130- 150 DAYS

TONK(MALPURA), JHALAWAR

Weather warnings	*Rain*	> 80 MM/DAY	> 80 MM/DAY	ANY RAIN
	Duration of wet spell	>80 MM FOR 3 DAYS	> 100 MM FOR 5 DAYS	> 80 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought			
	High winds			
	Temperature	MAX.TEMP.>30^{0}C, MIN.TEMP.<5^{0}C	MAX.TEMP.>35^{0}C, MIN.TEMP.<5^{0}C	MAX.TEMP.>35^{0}C, MIN.TEMP.<5^{0}C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	CUT WORM, TERMITES	CUT WORM, POD BORER	POD BORER
	Weather	HIGH RH, CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER
	Diseases	WILT, ROOT ROT	WILT,BLIGHT	WILT
	Weather	HIGH HUMIDITY,CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER	HIGH RH, CLOUDY WEATHER, HIGH TEMPERATURE

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CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP :** GRAM **VARIETY** : H-208,C 235,RSG-44, D.YELLOW **SOIL :** SANDY LOAM

DISTRICTS : PALI **IRRIGATED,NON-IRRIGATED** **DURATION :** 150- 160 DAYS

Weather warnings	*Rain*				
	Duration of wet spell				
	Cloudy weather				CLOUDY WEATHER
	Drought		10 DAYS	15 DAYS	20 DAYS
	High winds				
	Temperature				
	Hail Storm				HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*		CUT WORM, TERMITES	POD BORER, TERMITES	POD BORER
	Weather		CLOUDY WEATHER,HIGH RH, LOW TEMP	CLOUDY WEATHER,HIGH RH	CLOUDY WEATHER,HIGH RH
	Diseases		COLLAR ROT	ROOT ROT	CHOLOROSIS
	Weather		CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : RAJASTHAN
DISTRICTS : CHITTORGARH, TONK

CROP : GROUNDNUT (KHARIF)
NON-IRRIGATED

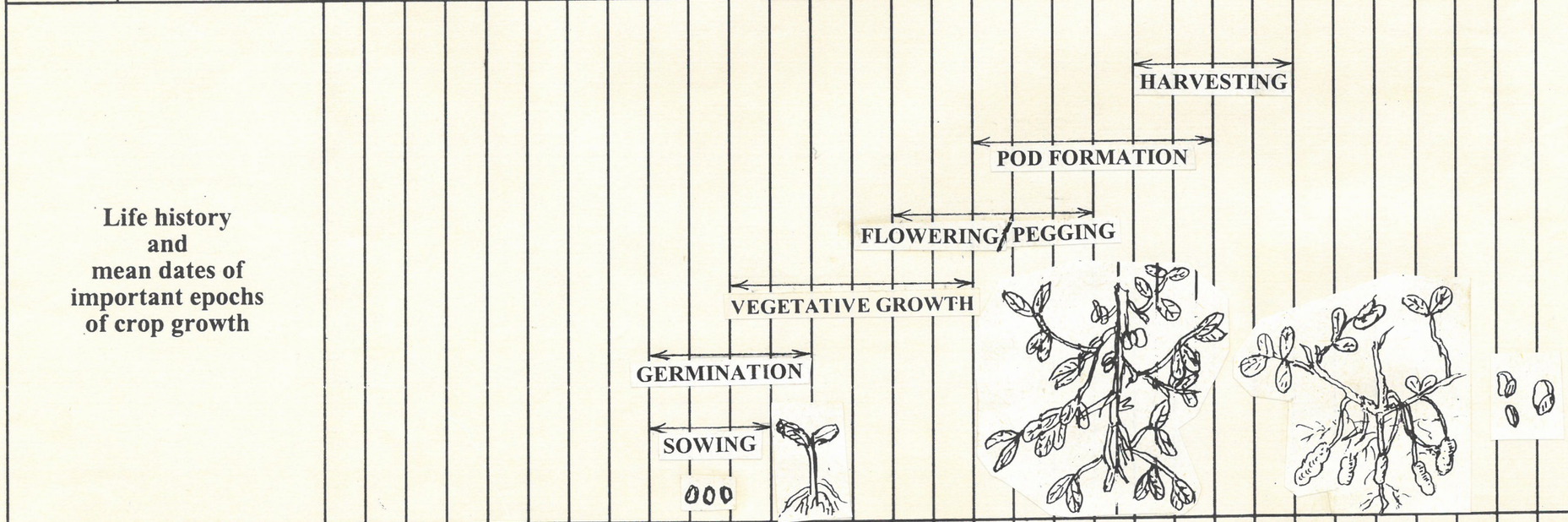
VARIETY : JL-24, M-13, RSV-87, GG-2
DURATION : 85-110 DAYS

SOIL : SANDY, SANDY LOAM

Weather warnings	*Rain*		ANY RAIN	ANY RAIN
	Duration of wet spell	50 MM FOR 3 DAYS	65 MM FOR 5 DAYS	40 MM FOR 5 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	> 10 DAYS	>15 DAYS	>20 DAYS
	High winds			
	Temperature	MAX. TEMP. > 40°C MIN. TEMP.< 20°C	MAX.TEMP. > 40°C MIN. TEMP.< 20°C	MAX. TEMP. > 35°C MIN. TEMP.< 20°C
	Hail Storm		HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	WHITE GRUB, TERMITE RED HAIRY CATERPILLAR	APHIDS	
	Weather	CONTINUOUS RAIN,	HIGH RH	
	Diseases	ROOT ROT,COLLAR ROT	TIKKA	TIKKA
	Weather	HIGH RH	LOW RH	LOW RH

Normal phase wise water requirement(mm)		**53.6**			**86.5**			**135.0**				**89.2**			**41.2**		
Weekly normal weather	*Rainfall(mm) total*	50.8	44.9	61.8	67.7	64.6	101.2	173.9	116.0	125.1	69.6	42.3	21.3	3.7	13.1	9.4	14.1
	Max. temp. ^0C	36.2	35.2	34.0	32.5	32.5	31.9	31.9	31.5	31.7	32.2	32.8	33.9	34.3	35.2	34.7	35.0
	Min. temp. ^0C	26.2	26.0	25.5	25.3	25.1	25.0	24.6	24.4	24.2	24.1	23.8	23.5	23.4	22.6	21.4	20.1
	Sunshine hours	7.2	6.3	5.5	5.0	5.0	4.6	4.5	5.1	5.8	6.4	7.3	8.8	9.4	9.1	9.5	9.3

Life history and mean dates of important epochs of crop growth



Standard weeks	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
Months	JUNE				JULY					AUGUST					SEPTEMBER				OCTOBER				

D.D.G.M.(AGRIMET), I.M.D., PUNE 2002.

RH - Relative Humidity

CROP WEATHER CALENDAR

STATE : RAJASTHAN **CROP** : PADDY (KHARIF) **VARIETY** : BK-79, BK-190, CHAMBAL, RATANA, IR-64 **SOIL** : BLACK MEDIUM

DISTRICTS : BANSWARA **IRRIGATED** **DURATION** : 130 - 145 DAYS

Weather warnings	*Rain*		ANY RAIN	ANY RAIN	
	Duration of wet spell	50 MM FOR 5 DAYS	50 MM FOR 10 DAYS	50 MM FOR 10 DAYS	
	Cloudy weather				
	Drought	10 DAYS	15 DAYS	20 DAYS	
	High winds				
	Temperature				
	Hail Storm				
Weather conditions favourable for incidence of pests and diseases	*Pests*				
	Weather				
	Diseases				
	Weather				

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