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CROP WEATHER CALENDARS

FOR

ORISSA

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PREFACE

Information on normal weather conditions and water requirement of crops is of vital importance for effective crop planning and management. From this point of view, the India Meteorological Department had compiled Crop Weather Calendars for major cereals, pulses and oilseed crops in the country on a districtwise basis. These calendars provide numerical as well as pictorial information on factors favourable or unfavourable to crops at various stages of their growth.

As and when new strains are introduced by plant breeders and bio-technologists, agricultural practices change accordingly, the crop weather calendars tend to lose some of their relevance. A periodical updating of these calendars thus becomes necessary. This publication which is the seventh in the new series of crop weather calendars is for the state of Orissa for Paddy, Groundnut, Mustard, Mung, Maize and Ragi crops.

It is hoped that the crop weather calendars would prove useful in a wide range of applications such as plant breeding, crop adaptation, drought proofing and irrigation management, ultimately resulting in maximizing the yield.

The preparation of the calendars would not have been possible without the close co-operation of the Department of Agriculture, Govt. of Orissa, which is gratefully acknowledged. These calendars were prepared by the Division of Agricultural Meteorology, Meteorological Office, Pune. I have great pleasure in acknowledging the work done by Shri S.K. Banerjee, DDGM (Agrimet); Dr. H. P. Das, Director; Shri S. Sengupta, Meteorologist Grade I; Shri A.W. Mehandale, Assistant Meteorologist Grade I; Smt P.V. Kochhar, Assistant Meteorologist Grade I; Smt A. S. Nair, and Smt V. J. Patwardhan in preparing these calendars.

(R. R. KELKAR)
Director General Of Meteorology

PUNE : 411 005
Dated : 16th December, 2002.

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (KHARIF) **VARIETY** : LOCAL AND HYBRID **SOIL** : SANDY LOAM AND CLAY LOAM

DISTRICTS : CUTTACK **NON-IRRIGATED** **DURATION** : 110 - 155 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 125 MM/DAY	> 10 MM/DAY
	Duration of wet spell	> 20 MM FOR 10 DAYS	> 10 MM FOR 5 DAYS	> 5 MM FOR 3 DAYS
	Cloudy weather			
	Drought			
	High winds			
	Temperature			
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	GALL MIDGE, CASEWORM	GRASS HOPPER, GUNDHI BUG, BPH, CATER PILLAR	CLIMBING CUTWORM, GRASS HOPPER
	Weather	CONT. RAIN, CLOUDY WEATHER, EARLY RAIN	INTERMITTENT RAIN FOLLOWED BY HIGH TEMP	FLOOD PRONE AREAS ADJACENT TO MINOR & MAJOR WATER EXPOSES
	Diseases	BLB, BLS, BROWN SPOT, BLAST	BLB, BLS, SHEATH BLIGHT, NECK BLAST	FALSE SMUT, BLB, BLS, LEAF SPOT
	Weather	CLOUDY WEATHER WITH PROLONGED DRIZZLE	HIGH HUMIDITY	CLOUDY WEATHER WITH PROLONGED DRIZZLE

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP :** PADDY (KHARIF) **VARIETY :** DAYA, HYV RICE, EARLY VARIETY **SOIL :** CLAY LOAM, RED SANDY LOAM & LATERITE

DISTRICTS : MAYURBHANJ, BOLANGIR DHENKANAL **NON-IRRIGATED** **DURATION :** 100 - 135 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 75 MM/DAY	> 30 MM/DAY
	Duration of wet spell	> 25 MM FOR 6 DAYS	> 50 MM FOR 5 DAYS	> 20 MM FOR 3 DAYS
	Cloudy weather			
	Drought	15 DAYS	25 DAYS	10 DAYS
	High winds	> 50 KM / HR	> 50 KM / HR	>30 KM / HR
	Temperature	MAX. TEMP. > 40°C, MIN. TEMP. < 15°C	MAX. TEMP. > 38°C, MIN. TEMP. < 10°C	MAX. TEMP. > 34°C, MIN. TEMP. < 15°C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	CASE WORM, GALL MIDGE, STEM BORER	GRASS HOPPER, GUNDHI BUG, BPH, CATER PILLAR, CASEWORM, STEM BORER	CLIMBING CUTWORM, GRASS HOPPER, STEM BORER, BPH
	Weather	CLOUDY WEATHER, CONTINUOUS RAIN	CLOUDY WEATHER, CONTINUOUS RAIN	CLOUDY WEATHER
	Diseases	BLAST, BLB, ROOT ROT	BLB, SHEATH BLIGHT	SHEATH ROT, BLB, SHEATH BLIGHT
	Weather	CLOUDY WEATHER	CLOUDY WEATHER, HIGH RH	CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (KHARIF) **VARIETY** : EARLY PARIJAT, MEDIUM IR-36, LATE CR-1009 **SOIL** : ALLUVIAL AND CLAY LOAM

DISTRICTS : GANJAM **NON-IRRIGATED** **DURATION** : 110 - 155 DAYS

Weather warnings	*Rain*	> 75 MM/DAY	> 200 MM/DAY	ANY RAIN
	Duration of wet spell	> 20 MM FOR 5 DAYS	> 50 MM FOR 4 DAYS	> 20 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	10 DAYS	15 DAYS	10 DAYS
	High winds			
	Temperature	MAX. TEMP. > 40^0C, MIN. TEMP. < 15^0C	MAX. TEMP. > 35^0C, MIN. TEMP. < 20^0C	MAX. TEMP. > 30^0C, MIN. TEMP. < 18^0C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	STEM BORER	STEM BORER, GALL MIDGE, MEALY BUG, LEAF FOLDER	GUNDHI BUG, CUT WORM, BPH
	Weather	HIGH RH	HIGH RH	HIGH RH
	Diseases	BLB , BLAST	BLB, HELMINTHOSPORIUM, BLAST	SHEATH ROT, BLAST
	Weather	HIGH RH	HIGH RH	HIGH RH

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

CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (KHARIF) **VARIETY** : LOCAL/HYV **SOIL** : SANDY LOAM

DISTRICTS : SUNDARGARH **NON-IRRIGATED** **DURATION** : 100-135 DAYS

Weather warnings	*Rain*	> 50 MM / DAY	> 80 MM / DAY	ANY RAIN
	Duration of wet spell	> 60 MM FOR 2 DAYS	> 80 MM FOR 7 DAYS	> 40 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	15 DAYS	20 DAYS	20 DAYS
	High winds		> 15 KM / HR	> 10 KM / HR
	Temperature	MAX. TEMP. > 40°C, MIN. TEMP < 15°C	MAX. TEMP. > 40°C, MIN. TEMP < 10°C	MAX. TEMP > 40°C, MIN. TEMP < 10°C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*		GALL MIDGE, LEAF ROLLER, STEM BORER, CASE WORM	GUNDHI BUG, STEM BORER
	Weather		CLOUDY WEATHER	CLOUDY WEATHER
	Diseases		LEAF SPOT, BLAST	NECK BLIGHT, BACTERIAL LEAF BLIGHT
	Weather		CLOUDY WEATHER	CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : ORISSA
DISTRICTS : KALAHANDI, SAMBALPUR

CROP : PADDY (KHARIF)
NON-IRRIGATED
IRRIGATED

VARIETY : SWARNA, IET, SWARNA, MTU 7029
DURATION : 110-155 DAYS

SOIL : SANDY LOAM, CLAY, BLACK

Weather warnings	*Rain*	> 50 MM / DAY	> 75 MM / DAY	ANY RAIN
	Duration of wet spell	> 35 MM FOR 6 DAYS	> 35 MM FOR 5 DAYS	> 10 MM FOR 3 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	7 DAYS	15 DAYS	10 DAYS
	High winds	> 40 KM / HR	> 60 KM / HR	> 40 KM / HR
	Temperature	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 10^{0}C	MAX. TEMP. > 38^{0}C, MIN. TEMP. < 20^{0}C	MAX. TEMP. > 34^{0}C, MIN. TEMP. < 20^{0}C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*		SWARMING CATER PILLAR, GALL MIDGE, CASE WORM, STEM BORER	GRASS HOPPER, GUNDHI BUG, BPH, CUTWORM
	Weather		CLOUDY WEATHER, CONT. RAINFALL	CLOUDY WEATHER, CONT. RAINFALL
	Diseases	BLB, ROOT ROT	BLB, BLAST	SMUT, SHEATH BLIGHT, SHEATH ROT, BLB
	Weather	HIGH HUMIDITY, LOW TEMP., CONT. HEAVY RAIN	CLOUDY WEATHER, HIGH HUMIDITY, LOW TEMP	HIGH HUMIDITY, LOW TEMP., CLOUDY WEATHER

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

CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (KHARIF) **VARIETY** : SAVIN (LOCAL), ANNAPURNA, DAYA HYV, SARUB HUJUNI **SOIL** : SANDY LOAM
DISTRICTS : KEONJARGARH **NON-IRRIGATED** **DURATION** : 130 - 155 DAYS

Weather warnings	*Rain*	> 115 MM/ DAY	> 115 MM/DAY	> 70 MM/DAY
	Duration of wet spell	> 60 MM FOR 4 DAYS	> 60 MM FOR 4 DAYS	> 60 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	7 DAYS	10 DAYS	7 DAYS
	High winds			> 40 KM/HR
	Temperature	MAX. TEMP. > 40^{0}C, MIN. TEMP. < 15^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 25^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 20^{0}C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	GRASS HOPPER, TERMITES	STEM BORER, GALL MIDGE, CASE WORM, LEAF HOPPER	GUNDHI BUG, STEM BORER
	Weather	LOW RAINFALL	HEAVY CONT. RAINFALL, CLOUDY WEATHER	HIGH TEMP., HIGH RH
	Diseases	BLB	BLB, HELMINTHOSPORIUM	FALSE SMUT, SHEATH BLIGHT
	Weather	HIGH TEMP., HIGH RH	HIGH TEMP., HIGH RH	CONTINUOUS RAINFALL

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CROP WEATHER CALENDAR

STATE : ORISSA
DISTRICTS : PURI

CROP : PADDY (KHARIF)
NON-IRRIGATED
IRRIGATED

VARIETY : PATHAVA, HEERA, PARIJAT, IR-36
DURATION : 150-175 DAYS

SOIL : SALINE, ALLUVIAL, LATERITE

Weather warnings	*Rain*	> 90 MM/DAY	> 125 MM/DAY	> 30 MM/DAY
	Duration of wet spell	> 50 MM FOR 5 DAYS	> 50 MM FOR 7 DAYS	> 80 MM FOR 7 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	7 DAYS	12 DAYS	7 DAYS
	High winds			
	Temperature			
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	STEM BORER, GALL MIDGE	STEM BORER, LEAF FOLDER	GUNDHI BUG, STEM BORER, BPH
	Weather	RAINY DAYS, CLOUDY WEATHER	RAINY DAYS, CLOUDY WEATHER	RAINY DAYS, CLOUDY WEATHER
	Diseases	BLAST	BACTERIAL LEAF BLIGHT	FALSE SMUT
	Weather	CLOUDY WEATHER	CLOUDY WEATHER, MODERATE TEMP WITH HIGH RH	

Normal phase wise water requirement(mm)		**145.4**	**272.6**	**219.5**	**142.1**	**74.0**

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (KHARIF) **VARIETY** : SWARNA- 1009 **SOIL** : SALINE, ALLUVIAL, SANDY AND LATERITE SOIL

DISTRICTS : BALASORE **NON-IRRIGATED** **DURATION** : 140-155 DAYS

Weather warnings	*Rain*	> 100 MM / DAY	> 150 MM / DAY	> 100 MM / DAY
	Duration of wet spell	> 50 MM FOR 5 DAYS	> 50 MM FOR 7 DAYS	> 80 MM FOR 7 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	10 DAYS	20 DAYS	10 DAYS
	High winds	> 80 KM / HR	> 50 KM / HR	> 50 KM / HR
	Temperature	MAX. TEMP. >45^{0}C, MIN. TEMP. <10^{0}C	MAX. TEMP. > 40^{0}C, MIN. TEMP. <15^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. <20^{0}C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	THRIPS	GALL MIDGE, MEALY BUG	GUNDHI BUG, STEM BORER, RICE HISPA LEAF FOLDER, SWARMING CATER PILLAR
	Weather	SCARCITY OF RAIN, CLOUDY, HIGH TEMP.	HIGH TEMP.	NORMAL WEATHER CONDITION
	Diseases		SHEATH ROT, SHEATH BLIGHT, BLAST	SHEATH BLIGHT, BLAST
	Weather		HIGH TEMP	NORMAL WEATHER CONDITION

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : PADDY (RABI) **VARIETY** : LOCAL AND HYBRID **SOIL** : SANDY LOAM , CLAY LOAM
DISTRICTS : CUTTACK **IRRIGATED** **DURATION** : 90-135 DAYS

Weather warnings	*Rain*			
	Duration of wet spell			
	Cloudy weather			
	Drought			
	High winds			
	Temperature	MAX. TEMP. > 20°C, MIN. TEMP. < 10°C	MAX. TEMP. > 35°C, MIN. TEMP. < 15°C	MAX. TEMP. > 41°C, MIN. TEMP. < 15°C
	Hail Storm		HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*	STEM BORER	STEM BORER, BPH	STEM BORER, BPH
	Weather	HIGH TEMP., HIGH RH	HIGH TEMP., HIGH RH	HIGH TEMP., HIGH RH
	Diseases	BLB, BLS	BLB, BLS	BLB, BLS
	Weather	CLOUDY WEATHER WITH PROLONGED DRIZZLING IN SHADY AREA	CLOUDY WEATHER WITH PROLONGED DRIZZLING IN SHADY AREA	CLOUDY WEATHER WITH PROLONGED DRIZZLING IN SHADY AREA

| **Normal phase wise water requirement(mm)** | | **78.4** | | | | | | | **170.3** | | | | | | | **143.4** | | | | **105.2** | | | **76.0** | | | | | | |

CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : GROUNDNUT (RABI) **VARIETY** : AK - 12-24 **SOIL** : RED SANDY LOAM AND LATERITE

DISTRICTS : DHENKANAL **NON-IRRIGATED** **DURATION** : 110 - 130 DAYS

Weather warnings	*Rain*	> 25 MM/DAY	> 35 MM/DAY	> 20 MM/DAY
	Duration of wet spell	> 25 MM FOR 4 DAYS	> 35 MM FOR 3 DAYS	> 40 MM FOR 2 DAYS
	Cloudy weather			
	Drought			
	High winds			
	Temperature			
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	APHIDS, LEAF MINER	APHIDS, LEAF MINER	APHIDS, LEAF MINER
	Weather	CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER
	Diseases	TIKKA, COLLAR ROT	TIKKA, COLLAR ROT	TIKKA, COLLAR ROT
	Weather	CLOUDY WEATHER	CLOUDY WEATHER	CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : GROUNDNUT (RABI) **VARIETY** : AK - 12-24 **SOIL** : SANDY LOAM

DISTRICTS : SAMBALPUR **IRRIGATED** **DURATION** : 110 - 120 DAYS

Weather warnings	*Rain*	> 25 MM / DAY	> 35 MM / DAY	> 20 MM / DAY
	Duration of wet spell	> 15 MM FOR 4 DAYS	> 25 MM FOR 3 DAYS	> 12 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought			
	High winds	> 50 KM / HR	> 30 KM / HR	> 20 KM / HR
	Temperature	MAX. TEMP. > 32^{0}C, MIN. TEMP. < 18^{0}C	MAX. TEMP. > 30^{0}C, MIN. TEMP. < 18^{0}C	MAX. TEMP > 30^{0}C, MIN. TEMP. < 18^{0}C
	Hail Storm		HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*	WHITE GRUB	WHITE GRUB, TERMITE	POD BORER (WEEVIL)
	Weather	EXCESS RAIN	CLOUDY, HIGH HUMIDITY	EXCESS RAIN
	Diseases	ROOT ROT	LEAF SPOT, TIKKA	LEAF SPOT
	Weather	CONTINUOUS RAIN	CLOUDY WEATHER	CLOUDY WEATHER, HIGH HUMIDITY

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CROP WEATHER CALENDAR

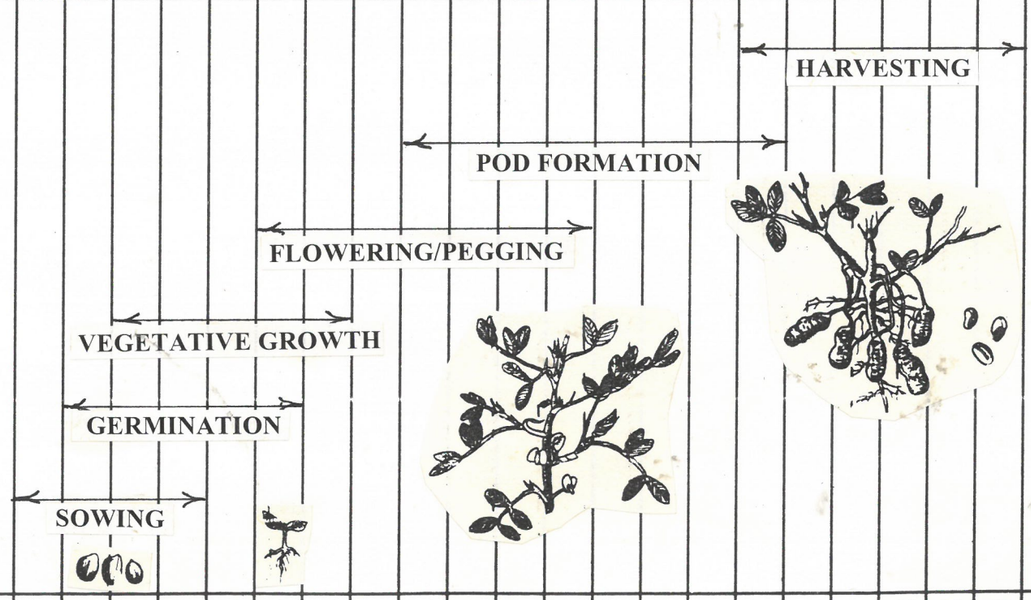
STATE : ORISSA **CROP** : GROUNDNUT (KHARIF) **VARIETY** : A.K. -12-24, J.L.-24 **SOIL** : ALLUVIAL AND CLAY LOAM

DISTRICTS : GANJAM **IRRIGATED/NON-IRRIGATED** **DURATION** : 100 - 120 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 75 MM/DAY	> 20MM/DAY
	Duration of wet spell	> 75 MM FOR 3 DAYS	> 50 MM FOR 4 DAYS	> 25 MM FOR 1 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	15 DAYS	20 DAYS	15 DAYS
	High winds			
	Temperature	MAX. TEMP. > 30^{0}C, MIN. TEMP. < 25^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 20^{0}C	MAX. TEMP. > 40^{0}C, MIN. TEMP. < 30^{0}C
	Hail Storm		HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITE, RED HAIRY CATER PILLAR	LEAF MINER, WHITE GRUB, APHIDS	TERMITE
	Weather	DRY SPELL AND HEAVY RAIN	CLOUDY WEATHER	DRY SPELL
	Diseases	SEEDLING BLIGHT, COTTON ROT	TIKKA, STEM ROT	TIKKA
	Weather	HIGH HUMIDITY	HIGH HUMIDITY	HIGH HUMIDITY

Normal phase wise water requirement(mm)						**43.3**			**86.9**				**142.8**					**70.6**			**30.3**			
Weekly normal weather	*Rainfall(mm) total*				12.6	13.9	55.0	51.0	36.8	24.2	41.4	44.1	40.4	50.7	46.1	46.2	39.1	42.4	39.0	38.6	59.8	39.3	89.3	38.9	50.4
	Max. temp. ^{0}C				33.2	33.2	32.9	32.3	31.8	31.5	31.1	31.2	31.6	31.4	31.4	31.4	32.0	31.5	31.9	32.1	32.3	32.4	32.2	32.1	31.8
	Min. temp. ^{0}C				27.5	27.1	26.8	26.5	26.2	26.1	25.7	25.9	25.9	25.6	25.8	25.9	26.0	25.7	25.8	25.7	25.5	25.5	25.4	24.4	23.4
	Sunshine hours				8.2	6.2	6.4	4.8	4.0	4.1	3.5	3.5	3.4	3.4	4.2	3.0	3.5	4.5	5.4	4.5	5.3	6.5	7.0	7.3	8.2

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
Months		JUNE				JULY				AUGUST					SEPTEMBER				OCTOBER						

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

CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MUSTARD **VARIETY** : M-27 **SOIL** : CLAY LOAM

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

Weather warnings	*Rain*	> 25 MM / DAY	> 35 MM / DAY	> 20 MM / DAY
	Duration of wet spell	> 50 MM FOR 5 DAYS	> 50 MM FOR 7 DAYS	> 80 MM FOR 7 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	20 DAYS	25 DAYS	10 DAYS
	High winds	> 50 KM / HR	> 30 KM / HR	
	Temperature	MAX. TEMP. > 32°C	MAX. TEMP. > 30°C	MAX. TEMP. > 30°C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	SAWFLY, APHIDS	LARGE CABBAGE MOTH	SAWFLY, POD BORER
	Weather	CLOUDY WEATHER	HIGH OR LOW TEMP.	HIGH HUMIDITY
	Diseases			
	Weather			

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MUSTARD **VARIETY** : M-27 **SOIL** : SALINE, ALLUVIAL

DISTRICTS : BALASORE **NON-IRRIGATED** **DURATION** : 85-110 DAYS SANDY, LATERITE

Weather warnings	*Rain*	> 50 MM / DAY	> 75 MM / DAY	> 75 MM / DAY
	Duration of wet spell	> 20 MM FOR 4 DAYS	> 40 MM FOR 3 DAYS	> 20 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	CLOUDY WEATHER
	Drought	20 DAYS	25 DAYS	15 DAYS
	High winds	> 50 KM / HR	> 30 KM / HR	> 20 KM / HR
	Temperature	MAX. TEMP. > 30^{0}C	MAX. TEMP. > 30^{0}C	MAX. TEMP. > 30^{0}C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	APHIDS	LARGE CABBAGE MOTH	SAW FLY
	Weather	CLOUDY WEATHER .	HIGH OR LOW TEMP.	HIGH HUMIDITY
	Diseases			BLIGHT
	Weather			HIGH HUMIDITY

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MUSTARD **VARIETY** : LOCAL, M-27 **SOIL** : BLACK / MIXED RED AND BLACK

DISTRICTS : PHULBANI **NON-IRRIGATED** **DURATION** : 100-130 DAYS

Weather warnings	*Rain*			
	Duration of wet spell	> 50 MM FOR 5 DAYS	> 50 MM FOR 7 DAYS	
	Cloudy weather		CLOUDY WEATHER	
	Drought	21 DAYS	21 DAYS	21 DAYS
	High winds			
	Temperature	MAX. TEMP. > 31°C, MIN. TEMP. < 28°C	MAX. TEMP. > 30°C, MIN. TEMP. < 26°C	MAX. TEMP. > 28°C, MIN. TEMP. < 23°C
	Hail Storm			
Weather conditions favourable for incidence of pests and diseases	*Pests*	APHIDS	APHIDS	SAW FLY
	Weather	HIGH TEMP.	HIGH TEMP.	HIGH TEMP.
	Diseases	LEAF RUST	WHITE RUST	
	Weather	LOW TEMP.	LOW TEMP., RAINFALL	

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MAIZE (KHARIF) **VARIETY** : GANGA - H, GANGA -5, AGETI-76, LOCAL AND COMPOSITE **SOIL** : BLACK / MIXED RED AND BLACK

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

Weather warnings	*Rain*	> 160 MM / DAY	> 80 MM / DAY	> 180 MM / DAY
	Duration of wet spell	> 50 MM FOR 5 DAYS	> 50 MM FOR 7 DAYS	> 80 MM FOR 7 DAYS
	Cloudy weather			
	Drought		21 DAYS	
	High winds			
	Temperature			
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITE, CATER PILLAR	STEM BORER, APHIDS, JASSIDS	STEM BORER, APHIDS, JASSIDS
	Weather	DRY SPELL	CYCLONIC RAIN	CYCLONIC RAIN
	Diseases			LEAF BLIGHT
	Weather			LOW TEMP . HIGH RH

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MAIZE (KHARIF) **VARIETY** : LOCAL **SOIL** : SANDY LOAM

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

Weather warnings	*Rain*	> 100 MM/DAY	> 100 MM/DAY	> 50 MM/DAY
	Duration of wet spell	> 50 MM FOR 4 DAYS	> 50 MM FOR 4 DAYS	> 50 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	10 DAYS	15 DAYS	10 DAYS
	High winds	> 40 KM/HR	> 30 KM/HR	> 20 KM/HR
	Temperature	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 20^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 20^{0}C	MAX. TEMP. > 30^{0}C, MIN. TEMP. < 20^{0}C
	Hail Storm		HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*			
	Weather			
	Diseases			
	Weather			

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : MUNG **VARIETY** : LOCAL **SOIL** : SALINE, ALLUVIAL, SANDY

DISTRICTS : BALASORE **IRRIGATED** **DURATION** : 70-90 DAYS LATERITE SOIL

Weather warnings	*Rain*	> 50 MM / DAY	> 75 MM / DAY	> 75 MM / DAY
	Duration of wet spell	> 20 MM FOR 4 DAYS	> 40 MM FOR 3 DAYS	> 20 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	20 DAYS	25 DAYS	15 DAYS
	High winds	> 50 KM / HR	> 30 KM / HR	> 20 KM / HR
	Temperature	MAX. TEMP. > 30^{0}C	MAX. TEMP. > 30^{0}C	MAX. TEMP. > 30^{0}C
	Hail Storm			HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*	LEAF EATING CATER PILLAR, APHIDS	LEAF EATING CATER PILLAR, APHIDS	LEAF EATING CATER PILLAR, APHIDS, POD BORER
	Weather	CONTINUOUS RAIN	CYCLONE	DRY SPELL , CYCLONE
	Diseases		POWDERY MILDEW	POWDERY MILDEW
	Weather		HIGH RH, HIGH TEMP	HIGH RH, HIGH TEMP

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP :** MUNG **VARIETY** : LOCAL HYV **SOIL :** SANDY LOAM

DISTRICTS : SUNDARGARH **NON-IRRIGATED** **DURATION :** 75 - 90 DAYS

Weather warnings	*Rain*	> 50 MM/DAY	> 50 MM/DAY	> 30 MM /DAY
	Duration of wet spell	> 50 MM FOR 2 DAYS	> 50 MM FOR 5 DAYS	> 30 MM FOR 2 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	10 DAYS	15 DAYS	15 DAYS
	High winds	> 15 KM / HR	> 10 KM / HR	
	Temperature	MAX. TEMP. > 40^0C, MIN. TEMP. < 15^0C	MAX. TEMP. > 40^0C, MIN. TEMP. < 10^0C	MAX. TEMP. > 40^0C, MIN. TEMP. < 10^0C
	Hail Storm	HAIL STORM	HAIL STORM	HAIL STORM
Weather conditions favourable for incidence of pests and diseases	*Pests*		LEAF EATING CATER PILLAR	BLISTER BEETLE, POD BORER
	Weather		CLOUDY WEATHER	CLOUDY WEATHER
	Diseases		TIKKA, LEAF SPOT, WILT	BLISTER BEETLE, POD BORER
	Weather		CLOUDY WEATHER	CLOUDY WEATHER

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CROP WEATHER CALENDAR

STATE : ORISSA **CROP** : RAGI (KHARIF) **VARIETY** : AKP-2, DIBYASINGH **SOIL :** SANDY LOAM

DISTRICTS : GANJAM **NON-IRRIGATED** **DURATION** : 100 -130 DAYS

Weather warnings	*Rain*	> 75 MM / DAY	> 200 MM / DAY	> 50 MM / DAY
	Duration of wet spell	> 20 MM FOR 4 DAYS	> 100 MM FOR 4 DAYS	> 100 MM FOR3 DAYS
	Cloudy weather		CLOUDY WEATHER	
	Drought	15 DAYS	20 DAYS	15 DAYS
	High winds			> 50 KM/HR
	Temperature	MAX. TEMP. > 40^{0}C, MIN. TEMP. < 30^{0}C	MAX. TEMP. > 35^{0}C, MIN. TEMP. < 20^{0}C	MAX. TEMP. > 30^{0}C, MIN. TEMP. < 15^{0}C
	Hail Storm	HAIL STORM	HAIL STORM	
Weather conditions favourable for incidence of pests and diseases	*Pests*	TERMITES	PINK STEM BORER	PINK STEM BORER
	Weather	HIGH RH	HIGH RH	HIGH RH
	Diseases	BLAST	BLAST	BLAST
	Weather	HIGH RH	HIGH RH	HIGH RH

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