

कृषि मौसम परामर्श बुलेटिन  
**Agro Meteorological Advisory Bulletin**  
 के लिए  
**for the**  
 छत्तीसगढ़ राज्य  
**State of Chhattisgarh**

अवधि – 16 अक्टूबर 2018 से 19 अक्टूबर 2018 तक  
**For the period to 16<sup>th</sup> October 2018 to 19<sup>th</sup> October 2018**

जारी करने का दिनांक  
**Issued on**

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अगला नवीनीकरण : 19 अक्टूबर 2018

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**Meteorological Centre, India Meteorological Department, Raipur,**

सौजन्य से

**In collaboration with**



इंदिरा गांधी कृषि विश्वविद्यालय, रायपुर छ.ग.  
**Indira Gandhi Krishi Vishwavidhyalaya, Raipur**  
 तथा



कृषि विभाग छत्तीसगढ़ शासन  
**State Department of Agriculture**

राज्य का कृषि जलवायु क्षेत्र Agro climatic Zone of State			
Sr.NO.	कृषि जलवायु क्षेत्र Agro climatic Zone	जिले Districts	कृषि मौसम क्षेत्र ईकाई Agro Met Field Unit ( AMFU) location
1.	छत्तीसगढ़ का उत्तरीय पहाड़ी भाग Northern Hills Zone	सरगुजा, कोरिया ,जशपुरनगर, बलरामपुर और सुरजपुर Surguja, Korea, Jashpurnagar, Balrampur and Surajpur	अम्बिकापुर Ambikapur
2.	छत्तीसगढ़ का मैदानी भाग Chhattisgarh Plain Zone	रायपुर, कोरबा, रायगढ़, बिलासपुर चांपा—जांजगीर, कबीरघाम, दुर्ग, महासमुन्द, धमतरी, राजनांदगांव व कांकेर , बलौदाबाजार, गरियाबंद, बालोद, बेमेतरा और मुंगेली Raipur, Korba, Raigarh, Bilaspur, Janjgir- Champa, Kabirdham, Durg, Mahasamund, Rajnandgaon, Dhamtari, Kanker, Balodabazar, Gariaband, Balod, Bemetara, Mungeli.	रायपुर Raipur
3.	छत्तीसगढ़ के बस्तर का पठारी भाग Bastar Plateau Zone	बस्तर, दंतेवाड़ा, नारायणपुर ,बीजापुर कोंडागाव और सुकमा Bastar, Dantewada, Narayanpur, Bijapur, Kondagaon and Sukma	जगदलपुर Jagdalpur

**Past Weather summary for the period: 12.10.2018 to 15.10.2018**

**Chief Amount of Rainfall (cm):**

<b>12.10.2018</b>	Bhaiyathan, Ramanujganj , Sonhat 2, Balrampur,Kusumi, Rajpur, Wadrafnagar 1 each
<b>13.10.2018</b>	Nil
<b>14.10.2018</b>	Nil
<b>15.10.2018</b>	Sukma 4.

S.NO	STATION	Rainfall(mm)			
		12.10.2018	13.10.2018	14.10.2018	15.10.2018
1	Raipur	0.0	0.0	0.0	0.0
2	Mana AP	1.4	0.0	0.0	0.0
3	Bilaspur	0.3	0.0	0.0	0.0
4	Pendra-road	3.2	0.0	0.0	0.0
5	Ambikapur	3.5	0.0	0.0	0.0
6	Jagdalpur	0.0	0.0	0.0	0.0
7	Durg	Trace	0.0	0.0	0.0
8	Rajnandgaon	0.0	0.0	0.0	0.0

**Temperature:**

• **Range**

	Temperature ( °C)	Departure ( °C)
Maximum temperature	25 to 35	-04 to +03
Minimum temperature	15 to 24	-05 to +05

• **Temperature**

S.No	Station	12.10.2018		13.10.2018		14.10.2018		15.10.2018	
		Max ( °C)	Min ( °C)	Max ( °C)	Min ( °C)	Max( °C)	Min ( °C)	Max( °C)	Min ( °C)
1	Raipur	32.0	23.4	31.8	23.8	33.1	23.5	33.2	22.1
2	Mana AP	30.9	22.1	31.6	22.3	31.9	22.5	32.9	20.9
3	Bilaspur	31.0	22.5	31.6	22.0	33.1	21.5	33.0	21.0
4	Pendra-road	28.6	19.0	29.7	17.5	31.5	16.1	32.5	15.0
5	Ambikapur	25.1	18.8	27.9	19.3	29.0	17.6	29.8	17.0
6	Jagdalpur	28.9	22.0	31.3	21.0	31.9	21.3	31.2	21.4
7	Durg	32.6	21.4	33.2	21.4	34.2	21.0	34.6	19.4
8	Rajnandgaon	31.0	23.2	31.2	24.2	34.6	22.9	33.4	23.6

Relative humidity: RH was in the range of 40% to 94%.

Cloud amount: 02-07 Octa.

Wind Speed: Ranged between 00-10 kmph in the state during the week.

## Agroclimatic Zone wise Weather forecast for Chhattisgarh

### छत्तीसगढ़ का उत्तरीय पहाड़ी भाग Weather forecast for Northern Hills Zone

	Surguja					Balrampur				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp. (°C)	30	29	30	30	31	30	29	30	30	31
Min. Temp. (°C)	15	16	16	15	16	15	16	16	15	16
Cloud Cover (Octa)	1	1	1	0	1	1	1	1	0	1
Maximum humidity(%)	85	85	80	80	80	85	85	80	80	80
Minimum humidity(%)	45	45	45	40	40	45	45	45	40	40
Wind Speed (kmph)	2	2	2	2	2	3	3	3	3	3
Wind Direction	SW	SW	SW	S	S	S	S	S	S	S
	Surajpur					Jashpur				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp. (°C)	30	29	30	30	31	30	29	30	30	31
Min. Temp. (°C)	15	16	16	15	16	15	16	16	15	16
Cloud Cover (Octa)	1	1	1	0	1	1	1	1	0	1
Maximum humidity(%)	85	85	80	80	80	85	85	80	80	80
Minimum humidity(%)	45	45	45	40	40	45	40	45	40	40
Wind Speed (kmph)	2	2	2	2	2	3	3	4	4	3
Wind Direction	S	SW	S	S	S	W	W	W	SW	SE
	Koriya									
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct					
Rainfall (mm)	0	0	0	0	0					
Max. Temp. (°C)	30	29	30	30	31					
Min. Temp. (°C)	15	16	16	15	16					
Cloud Cover (Octa)	1	1	1	0	1					
Maximum humidity(%)	85	85	80	80	80					
Minimum humidity(%)	45	45	45	40	40					
Wind Speed (kmph)	3	3	4	3	5					
Wind Direction	S	SW	SW	S	S					

### छत्तीसगढ़ का मैदानी भाग Weather forecast for Chhattisgarh Plain Zone

	Bilaspur					Mungeli				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp. (°C)	32	31	32	32	32	32	31	32	32	32
Min. Temp. (°C)	20	20	20	20	20	20	20	20	20	20
Cloud Cover (Octa)	1	1	0	0	0	1	1	0	0	0
Maximum humidity (%)	90	85	85	85	85	90	85	85	85	85
Minimum humidity (%)	40	40	35	35	35	40	40	35	35	35
Wind Speed (kmph)	3	3	4	4	3	3	3	4	4	3
Wind Direction	W	NW	S	S	SE	W	NW	S	S	SE
	Raigarh					Korba				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp (°C)	32	31	32	32	32	32	31	32	32	32
Min. Temp. (°C)	20	20	20	20	20	20	20	20	20	20
Cloud Cover (Octa)	1	1	0	0	0	1	1	0	0	0
Maximum humidity (%)	90	85	85	85	85	90	85	85	85	85
Minimum humidity (%)	40	40	35	35	35	40	40	35	35	35
Wind Speed (kmph)	2	2	3	3	2	3	2	3	3	3
Wind Direction	SW	W	S	E	NW	S	S	SE	SE	E

	Janjgir					Rajnandgaon				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp (°C)	32	31	32	32	32	33	32	33	33	33
Min. Temp (°C)	19	19	19	19	19	21	21	21	21	21
Cloud Cover (Octa)	1	1	0	0	0	1	1	1	1	0
Maximum humidity (%)	90	85	85	85	85	69	70	67	69	67
Minimum humidity (%)	40	40	35	35	35	40	40	40	40	40
Wind Speed (kmph)	2	2	2	2	2	0	0	0	0	0
Wind Direction	SW	SW	SE	NE	NE	0	0	0	0	0
	Durg					Balod				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp (°C)	35	33	35	35	35	35	33	35	35	35
Min. Temp (°C)	19	19	20	20	20	19	19	20	20	20
Cloud Cover (Octa)	1	1	1	0	1	1	1	1	0	1
Maximum humidity (%)	75	75	75	75	75	75	75	75	75	75
Minimum humidity (%)	60	60	60	60	60	60	60	60	60	60
Wind Speed (kmph)	4	5	4	3	2	4	5	4	3	2
Wind Direction	SW	SW	SW	E	S	SW	SW	SW	NE	S
	Bemetara					Raipur				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp. (°C)	35	33	35	35	35	33	32	33	33	34
Min. Temp (°C)	19	19	20	20	20	22	22	22	22	22
Cloud Cover (Octa)	1	1	1	0	1	1	1	1	1	1
Maximum humidity (%)	75	75	75	75	75	80	80	80	80	80
Minimum humidity (%)	60	60	60	60	60	41	43	40	39	37
Wind Speed (kmph)	4	4	3	3	2	3	5	3	2	2
Wind Direction	W	W	W	NE	SE	SW	SW	SW	S	S

	Mahasamund					Kabirdham				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp. (°C)	33	32	33	33	34	33	32	33	33	34
Min. Temp (°C)	22	22	22	22	22	21	21	21	21	21
Cloud Cover (Octa)	2	1	1	1	1	2	1	1	0	1
Maximum humidity (%)	80	80	80	80	80	80	80	80	80	80
Minimum humidity (%)	38	43	40	37	34	33	34	31	30	29
Wind Speed (kmph)	2	5	3	2	2	4	4	4	4	3
Wind Direction	SW	SW	SW	S	SW	W	NW	NW	S	SW

	Balodabazar					Gariyaband				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp (°C)	33	32	33	33	34	33	32	33	33	34
Min. Temp (°C)	22	22	22	22	22	22	22	22	22	22
Cloud Cover (Octa)	1	1	1	1	1	1	1	1	1	1
Maximum humidity (%)	80	80	80	80	80	80	80	80	80	80
Minimum humidity (%)	41	40	39	38	35	42	41	41	41	39
Wind Speed (kmph)	3	6	3	2	2	3	5	3	3	3
Wind Direction	SW	SW	SW	SE	SE	SW	SW	SW	S	S
	Dhamtari					Kanker				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	0	0	0
Max. Temp (°C)	33	32	33	33	34	33	32	33	33	34
Min. Temp (°C)	22	22	22	22	22	22	22	22	22	22
Cloud Cover (Octa)	1	1	1	1	1	1	1	1	1	1
Maximum humidity (%)	80	80	80	80	80	80	80	80	80	80
Minimum humidity (%)	39	40	39	38	36	33	32	35	35	32
Wind Speed (kmph)	4	6	4	3	2	3	4	3	3	3
Wind Direction	S	S	S	E	E	S	S	S	SE	SE

**छत्तीसगढ़ के बस्तर पठारी भाग का**  
**Weather forecast for Bastar Plateau Zone**

	Baster					Dantewada				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	0	0	4	2	0
Max. Temp (°C)	31	31	32	32	32	31	31	32	32	32
Min. Temp (°C)	17	18	17	18	17	17	18	17	18	17
Cloud Cover (Octa)	2	3	2	1	0	2	3	2	1	0
Maximum humidity (%)	90	90	90	90	90	90	90	90	90	90
Minimum humidity (%)	50	50	50	50	50	50	50	55	50	50
Wind Speed (kmph)	3	4	3	3	3	2	2	2	2	2
Wind Direction	SE	S	S	SE	S	NE	SE	E	E	SE
	Bijapur					Narayanpur				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	4	7	10	4	0	0	1	0	0
Max. Temp (°C)	31	31	32	32	32	31	31	32	32	32
Min. Temp (°C)	17	18	17	18	17	17	18	17	18	17
Cloud Cover (Octa)	2	3	2	1	0	2	3	2	1	0
Maximum humidity (%)	90	90	90	90	90	90	90	90	90	90
Minimum humidity (%)	50	50	55	50	50	50	50	50	50	50
Wind Speed (kmph)	2	3	2	2	2	3	3	2	3	3
Wind Direction	E	SE	SE	E	SE	SE	S	S	E	SE
	Kondagaon					Sukma				
	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct	17 Oct	18 Oct	19 Oct	20 Oct	21 Oct
Rainfall (mm)	0	0	0	0	0	1	0	3	3	0
Max. Temp (°C)	31	31	32	32	32	31	31	32	32	32
Min. Temp (°C)	17	18	17	18	17	17	18	17	18	17
Cloud Cover (Octa)	2	3	2	1	0	2	3	2	1	0
Maximum humidity (%)	90	90	90	90	90	90	90	90	90	90
Minimum humidity (%)	50	50	50	50	50	50	50	50	50	50
Wind Speed (kmph)	3	4	3	3	3	2	2	2	2	2
Wind Direction	S	S	SW	SE	S	NE	E	NE	NE	SE

कृषि जलवायु क्षेत्रानुसार – कृषि/कृषि मौसम परामर्श  
**Agro climatic Zone wise Agro- meteorological Advisories**

छत्तीसगढ़ का उत्तरीय पहाड़ी भाग

**Northern Hills Zone**

(Surguja, Korea, Balrampur, Surajpur and Jashpurnagar district)

- **Matured Rice Crop:** Looking to the mainly dry weather condition farmers are advised to harvest the matured rice crop and keep it in the field for proper sun drying only for 1-2 days.
- **Land Preparation:** Farmers are advised to prepare their land for sowing of different rabi crops.
- **Rabi Crops:** At present, farmers may sow different rabi crops like toria, green pea, mustard, potato, gram, linseed etc.
- **Lathyrus:** Use improved variety of lathyrus like Pratik, Ratan and Mahatiwda for sowing as this is the appropriate time.
- **Mustard:** Farmers who wish to cultivate mustard crop, may start sowing after preparation of the field and Select the improved seed, recommended for this region like Shiwani, Varuna, Pusa Bold, BR-40 etc. 3 kg seeds are required for cultivation in one acre. Sow the seed in line at a distance of 30 cm. (Row to row) and 10 cm. (Plant to plant).
- **Chickpea:** Sowing of chickpea in time will help to prevent wilt disease.
- **Disease and pest:** In the current weather condition, give proper attention to disease and pest management in the standing paddy crop.
- **Sheath blight:** Symptoms of sheath blight in rice crop are dusty spots on rice stems and spots surrounded by violet colored patches. Farmers should spray Hexacabozole fungicide @ 1ml/ litre of water on the affected parts. If necessary, spray should be repeated after 12-15 days.
- **Vegetable:** Obtain good quality seeds of fruits and vegetable in advance from reliable source and sowing of rabi season vegetable can be started.
- **Vegetables:** Start transplanting of winter vegetables like cauliflower, cabbage, chilli, tomato, brinjal etc. With suitable seedlings and directly sow the seed of radish, turnip, spinach, carrot etc. Seeds should be treated with fungicide before sowing.
- **Orchard:** Farmers are advised to Paint stem of tree by using bordo mixer/pest, maintain cleanness in the orchard, prepare basin around the tree and apply recommended dose of manure and fertilizer.
- **Plantation of flowers:** It is right time for plantations of Chrysanthemum and Gladiolus plantations flowers plants, weed control management operation should be taken up in Rajnigandha. It is flowering time in marigold, therefore flower should be sent to market.
- **Vaccination:** In case animals are not vaccinated against FMD, Haemorrhagic Septipaemia (HS) and Balck quarter diseases, they can be prevented by vaccination against these diseases.
- **Fodder:** At present green fodder is available in plenty. Therefore daily farmers are advised that green fodder mixed with forage should be fed to animals/ cows/ buffaloes. Care for prevention of loose motion should be followed.

- Give cow's first milk to new born calves equivalent to 10 percent of his body weight to prevent from disease.
- **Milch animals:** Provide concentrate feed to milch animals mix with dry and green fodder and insure for enrich diet having protein, carbohydrate, fat, vitamins etc. Provide concentrate feed to milch animals mix with dry and green fodder and insure for enrich diet having protein, carbohydrate, fat, vitamins etc.

**छत्तीसगढ़ का मैदानी भाग**

**Chhattisgarh Plain Zone**

(Raipur, Korba, Raigarh, Bilaspur, Mungeli, Janjgir-Champa, Kabirdham, Durg, Balod, Bemetara, Mahasamund, Balodabazar, Gariyaband, Rajnandgaon, Dhamtari & Kanker districts )

**General**

1. For rabi crops, farmers can start their field operations in fallow fields. Tractor drawn rotovator or cultivator can be used and shallow ploughing should be done. Farmers should go for sowing of fieldpea, chickpea, toria, Horsegram, sunflower and forage crops.
2. The present time is appropriate for taking of utera (relay) crop. The framers who are interested in relay crop can take the crop of lathyrus or linseed in their fields.
3. At some parts, hoppers insects are being observed. Crops should be properly monitored and if insects are being observed more than @ 10-15 per plant then Buprofenzic @ 800 ml / ha. should be sprayed. In case insects keep multiplying after 15 days then Dinetofuron @ 200 gram/ hectare mixed in 500 litre water should be sprayed preferably in evening time in the lower parts.
4. In rice, panicle mite is being observed. It is being observed as per dissolved grains or chaffy grain and brownish patches can be observed on stem. For its control Propiconazole 2ml + Profenophos @ 2ml per litre can be sprayed per hectare mixed in 500 litres of water.

**Fruit, Flower& Vegetables**

1. Winter vegetables like cauliflower, cabbage and kholkhol early varieties should be selected. Nursery sowing can be done. Preparation for nursery sowing of tomato, brinjal, chillies and capsicum can be done and seed treatment by Thiram should be done @ 2 gram/ kg. seed
2. Start planting of rabi onion.
3. If farmers have Banana and Papaya seedling ready, they may go for planting in main field.
4. It is flowering time in marigold, therefore flower should be sent to market.



**Animal husbandry:**

1. At present green fodder is available in plenty. Therefore dairy farmers are advised that green fodder mixed with forage should be fed to animals/ cows/ buffaloes. Care for prevention of loose motion should be followed.
2. In case animals are not vaccinated against FMD, Haemorrhagic Septicaemia (HS) and Black quarter diseases, they can be prevented by vaccination against these diseases.
3. For protection from worms, animals should be given Albendazole/ fenbendazole.

<b>छत्तीसगढ़ के बस्तर का पठारी भाग</b> <b>Bastar Plateau Zone</b> <b>( Bastar, Dantewada, Narayanpur, Kondagaon, Bijapur and Sukma districts )</b>	
<b><u>Seed Treatment</u></b>	<ul style="list-style-type: none"> <li>➤ Non Systemic fungicide- From this group of fungicide the fungus found on the seed get destroyed Example- Thairum, Captan, Daithen M-45. Use any of fungicide @ 3 gram per kg of seed for treatment.</li> <li>➤ Systemic Fungicide- Such type the fungicide inter the seed and destroyed the fungus. It also provide protection of the seeds up to 15-20 days from fungal attack. Example - Vitavex/ Bavistine 2 to 3 gram per kg of seed for treatment.</li> <li>➤ For seed treatments several bioagent such as trichoderma harzeanum and trichoderma viridi 6-8 gm per kg of seed. if necessary than use pseudomonas flurocens may also be used for treatments.</li> </ul>
<b><u>Kharif Crops</u></b>	<ul style="list-style-type: none"> <li>➤ <b>In same places where niger crop is sown white insect is seen. For the control of insect spray triazophas 1ml/lit of water.</b></li> <li>➤ <b>At the time of flowering and grain feeling stage of rice false smart is seen many part of Bastar zone for control the same spray oxichloride 2gm/lit of water.</b></li> <li>➤ For control of all type of aphids in paddy crop spray Imidcloprid 0.5 ml/lit. Water.</li> <li>➤ Harvest the early duration varieties of rice and go for toria cultivation.</li> <li>➤ The attack of cut worm is noticed. For the control spray quinalphos 2ml/liter of water. Sticking material chipko should be mixed (10ml) per sprayer.</li> <li>➤ For the control of stem borer and cut worm simultaneously spray chloropyriphos 1.5 ml/lit.</li> <li>➤ For the Control of Blast in paddy crop spray the fungicide tricycolozole (6 gm./10lit water or Propiconazole 1ml/lit water.</li> </ul>
<b><u>Vegetable</u></b>	<ul style="list-style-type: none"> <li>➤ For lady finger yellowing in early stage is notice. If yellowing is in limited port than remove the plant and burn them. Further for severe infestation spray dimethoyate 30 E.C. @ 1.5 m.lit/lit in morning or evening hours.</li> <li>➤ Bavistin or Mancozeb 1-1.5 g or Bavistin + Mancozeb 1.5-2 g/liter water should be applied for the control of nursery diseases like damping off in various vegetables.</li> <li>➤ Vegetable nursery should be sown in 15 cm high raised beds. In case nursery is protected by white agronet (mosquito net), viral diseases infection will not be there. Sowing should be done afterseed treatment with fungicides against stem rot diseases.</li> </ul>
<b><u>Animal Husbandry</u></b>	<ul style="list-style-type: none"> <li>➤ The poultry farm owner take care that after third months give wormicide to there birds.</li> <li>➤ Prevent the animals to drink the stagnant water and also and make sure that hygiene conditions.</li> <li>➤ Supplement the wormicide medicine in feed of poultry birds at a regular interval of 3 months.</li> <li>➤ Try to mentioned dry cattle sheds to prevent from disease.</li> </ul>