



AGROMET ADVISORY SERVICE BULLETIN FOR RATNAGIRI DISTRICT

(Issued jointly by GKMS, Dr. B.S. Konkani Krishi Vidyapeeth,
& India Meteorological Department)



Ph.No. : (02358) 282387

Email : dpl.amfu@gmail.com

No. 03/2021

Date: 08/01/2021

Duration – 5 days

Dr. Prashant Bodake,
Head,
Department of Agronomy
9420413255

Dr. Vijay More,
Nodal Officer,
Department of Agronomy
9422374001

Dr. Shital Yadav,
Technical Officer,
Department of Agronomy
8379901160

| Significant past weather for the preceding week (Period –02/01/2021 to 08/01/2021) | | | | | | | Weather Parameters | Weather forecast until 08.30 hrs of 13/01/2021 | | | | |
|---|-------|-------|-------|--|-------|-------|-----------------------|---|-------|-------|-------|-------|
| (Source: Agromet observatory, Dept of Agronomy, College of Agril, Dapoli) | | | | | | | | (Source: Regional Meteorological Centre, Mumbai) | | | | |
| 02/01 | 03/01 | 04/01 | 05/01 | 06/01 | 07/01 | 08/01 | | 09/01 | 10/01 | 11/01 | 12/01 | 13/01 |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.2 | Rainfall (mm) | 12 | 10 | 3 | 0 | 0 |
| 33.6 | 32.4 | 31.4 | 31.0 | 30.1 | 32.5 | 31.7 | Max.Temp. (°C) | 33 | 32 | 32 | 33 | 33 |
| 19.3 | 16.0 | 18.5 | 20.0 | 19.3 | 19.3 | 21.6 | Min.Temp. (°C) | 23 | 22 | 23 | 23 | 23 |
| 0 | 4 | 8 | 8 | 8 | 8 | 8 | Cloud cover (Octa) | 8 | 8 | 3 | 6 | 5 |
| 98 | 92 | 98 | 94 | 96 | 93 | 96 | Max. RH (%) | 83 | 84 | 78 | 72 | 72 |
| 58 | 54 | 65 | 67 | 61 | 59 | - | Min. RH (%) | 50 | 54 | 46 | 45 | 42 |
| 2.6 | 2.8 | 2.0 | 2.6 | 2.2 | 3.1 | 3.4 | Wind speed(Km/hr) | 4 | 4 | 5 | 6 | 5 |
| Calm | Calm | Calm | Calm | Calm | Calm | Calm | Wind direction | ENE | ENE | ENE | E | ENE |
| Rainfall (mm) in last week | | | | Rainfall (mm) from 01/01/2021 to till dated | | | | Total Rainfall (mm) in last year | | | | |
| 5.2 | | | | 5.2 | | | | 4145.4 | | | | |

Weather summary/alert

| | |
|-------------------------|---|
| Weather forecast | As per the forecast received from Regional Meteorological Centre Mumbai, there is possibility of light rainfall from 9 th to 11 th January, 2021 at isolated places and sky remain cloudy from 9 th to 13 th January, 2021 over Ratnagiri district. |
| Warning | Thunderstorm accompanied with lightning is likely to occur from 8 th to 9 th January, 2021 at isolated places in Ratnagiri district. |

Agromet advisory based on weather forecast

| Crop | Stage | Agro advisory |
|-------------------------|-------------------------------|--|
| General advisory | - | <ul style="list-style-type: none"> Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021, make arrangement for drain out excess water from low lying vegetable crop field and postpone the scheduling of irrigation in newly planted fruit crop orchard, vegetable crops and nurseries area. |
| SMS | - | <ul style="list-style-type: none"> Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021, postpone the sowing of summer vegetable crop. |
| Mango | Vegetative flush to flowering | <ul style="list-style-type: none"> Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021 and possibility for cloudy weather condition till 13th January 2021, there is possibility for anthracnose disease on mango vegetative flush and inflorescence, for protection against anthracnose disease, spray carbendazim 12% + mancozeb 63% combination fungicide @ 10 gm per 10 liter in water after 11th January, 2021. Due to forecast for light rain with cloudy weather condition, there is possibility incidence of hoppers and powdery mildew disease on flower bud stage in mango. To protect the flower bud from pest and powdery mildew diseases, spray Lambda cyhalothrin 5%EC @ 6 ml + hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water during clear weather. There is possibility incidence of hoppers, midge fly and powdery mildew disease on mango inflorescence. For management of pest and disease, spray of Imidacloprid 17.8% SL @ 6 ml per 10 liter of water before the flower opening to avoid the adverse effect on pollinators. Also add Hexaconazole 5% @ 5 ml or wettable Sulphur 80% @ 20 gm per 10 liter in water for control of powdery mildew disease during clear weather. |

| | | |
|---|-------------------------|--|
| | | <ul style="list-style-type: none"> • The recommended dose of insecticides is applicable for manually operating sprayer. |
| Cashewnut | Flowering to fruiting | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021 and possibility for cloudy weather condition till 13th January 2021, there is possibility for incidence of anthracnose fungal disease on vegetative flush of cashewnut, to control the disease spray, 1% bordon mixture or Carbendazim 12% + Mancozeb 63% combination fungicide @ 10 gms per 10 liter of water after 11th January, 2021. • Due to forecast for light rain with cloudy weather condition, there is possibility of incidence of tea mosquito bugs and thrips on the inflorescence of cashewnut, to protect the cashew inflorescence, spray Profenophos 50% EC @10 ml per 10 liter of water during clear weather. • There is possibility of incidence of tea mosquito bugs and thrips on the fruits of cashewnut, to protect the cashew during fruit bearing stage, spray Lambda cyhalothrin 5% EC @6 ml or Acetamiprid 20%SP @ 5 gms per 10 liter of water during clear weather. (insecticide is not under label claim). |
| Lablab bean/ Cowpea | Vegetative to flowering | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and cloudy weather condition till 13th January 2021, there is possibility of incidence of aphids, hoppers on lablab, cowpea crop which develop into growth of black fungus on leaves and inflorescence. If incidence is noticed, spray Dimethoate 30%EC@12 ml per 10 liter of water during clear weather. |
| Brinjal, tomato | Flowering to fruiting | <ul style="list-style-type: none"> • Make arrangement for drainout excess water from brinjal, tomato crop field and withhold irrigation till stress condition. • Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021, there is possibility for wilting of seedlings in newly transplanted crop, if incidence is noticed, drenching of copper oxychloride @2.5 gm per liter of water is suggested after 11th January, 2021 |
| Chilli, Brinjal, Tomato | Flowering to fruiting | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021 and possibility for cloudy weather condition till 13th January 2021, there is possibility of incidence of anthracnose disease in chilli, brinjal, tomato vegetable crops, if incidence is noticed, spray Mancozeb 20 gm per 10 liter of water. |
| Cabbage | Vegetative | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and cloudy weather condition till 13th January 2021, there is possibility of incidence of anthracnose disease in cabbage crop. If incidence is noticed, spray Copper oxychloride 25 gm of per 10 liters of water during clear weather. |
| Water melon | Fruiting | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021, make arrangement for drainout excess water from poor drainage watermelon crop field. • Also protect the fruits from moist soil. |
| Cucurbitaceous crop | Flowering to fruiting | <ul style="list-style-type: none"> • Due to forecast for light rainfall from 8th to 11th January, 2021 and realized rainfall on 7th January, 2021 and possibility for cloudy weather condition till 13th January 2021, there is possibility of incidence of downy mildew and powdery mildew diseases in cucumber, snake gourd, bottle gourd, red pumpkin, ridge gourd, bitter gourd, water melon cucurbitaceous vegetables, if incidence of downy mildew is noticed, remove and destroy infected leaves and spray Mancozeb 75% WP @ 25 gm or Coper oxychloride 50%WP @ 20 gms per 10 liters of water during clear weather at an interval of 10 to 15 days and for control of powdery mildew disease spray Carbendazim 10 gm or Hexaconazole 5%EC @ 5 ml per 10 liter of water during clear weather at an interval of 10 to 15 days. |
| <p>This Agro Advisory Bulletin (AAB) is prepared and published with the consultation and recommendation of SMS committees of “Gramin Krishi Mausam Sewa (GKMS)” Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli. For more information contact nearby SAU research station or Agriculture officers of Agriculture Department, Maharashtra state.</p> | | |