



Weather Based Agromet Advisory Bulletin
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Year 4, No: - 277_2022/Fri

Time: 3.30 PM

Date: 08th April 2022

| Last week weather summary (03.04.2022 to 07.04.2022) | | | | | Weather parameters | Weather forecast (09.04.2022 to 13.04.2022) | | | | |
|---|------|------|------|------|-----------------------|--|----------------|------|----------------|----------------|
| 03 | 04 | 05 | 06 | 07 | Date | 09 | 10 | 11 | 12 | 13 |
| 0.0 | 0.0 | 0.0 | 0.5 | 0 | Rainfall (mm) | 3 | 4 | 1 | 0 | 0 |
| 34.0 | 35.0 | 34.8 | 33.4 | 34.0 | Max. Temp. (°C) | 34 | 33 | 33 | 34 | 34 |
| 24.5 | 24.0 | 24.0 | 25.8 | 23.4 | Min. Temp. (°C) | 26 | 25 | 25 | 25 | 25 |
| 91 | 85 | 84 | 90 | 82 | Max. RH (%) | 89 | 88 | 75 | 74 | 80 |
| 53 | 52 | 64 | 56 | 56 | Min. RH (%) | 47 | 52 | 50 | 34 | 31 |
| 3.5 | 3.7 | 3.9 | 6.2 | 4.6 | Wind Speed(km/h) | 7.6 | 7.7 | 8.5 | 9.1 | 7.5 |
| | | | | | Wind direction (°) | West-Southwest | West-Southwest | West | West-Northwest | West-Southwest |
| | | | | | Cloud cover (Octa) | 6 | 8 | 5 | 2 | 6 |

Old Goa station rainfall (mm) in the last week

0.5 mm

Rainfall (mm) from 01/01/2022 to till dated

0.8 mm

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| Weather Summary/ Alert | <ul style="list-style-type: none"> Light rain/ Thundershowers very likely at isolated places on 8th, 9th and 10th April, 2022 Weather is very likely to be dry on 11th and 12th April 2022 Maximum & minimum temperatures are likely to be around 34°C & 26°C respectively | |
| Extended range forecast | <p>Week 1 (Apr 8th to Apr 14th)</p> <ul style="list-style-type: none"> Rainfall amount is very likely to be large excess over the district Maximum temperature is likely to be above normal Minimum temperature is likely to be normal <p>Week 2 (Apr 15th to Apr 21st)</p> <ul style="list-style-type: none"> Rainfall amount is very likely to be large deficient over the district Maximum temperature is likely to be normal Minimum temperature is likely to be normal | |
| General advisory | Thunderstorm accompanied with lightning & wind speeds around 40km/h very likely at isolated places on 08th April 2022. Hence precautions should be taken to avoid damages caused by lightning. Use damini app for lightning alerts | |
| SMS | Due to forecast of Light rain/ Thundershowers on 8th, 9th and 10th April, 2022, farmers are advised to harvest the matured pods and take precautions while drying the harvested grains of cowpea | |
| Crop | Stage/Pest/ Disease | Advisory |
| Rabi paddy | Flowering to grain filling | <ul style="list-style-type: none"> Maintain the water level in the paddy fields To control gundhi bug - Egg masses, nymph and adults can be collected (hand or using hand nets) and destroyed. Removal of grasses near the paddy fields To control leaf folder in rabi paddy, hence early clipping of infested |

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| | | leaf tips along with removal of other weeds is recommended. Foliar sprays with Chlorpyriphos 2.5 ml/litre is recommended |
| Cowpea/ Alsando | Harvesting | <ul style="list-style-type: none"> • Due to forecast of Light rain/ Thundershowers on 8th, 9th and 10th April, 2022, farmers are advised to harvest the matured pods and take precautions while drying the harvested grains of cowpea |
| Groundnut | Pod development Sucking pests | <ul style="list-style-type: none"> • To control the aphids, thrips and leaf miners spraying of spinosad @ 0.2 ml/litre of water can be done or apply NSKE 5% (neem seed kernel extract) • Yellow sticky traps can be kept in the field for better monitoring of these sucking pests |
| Chilli | Maturity to harvesting Sucking pests | <ul style="list-style-type: none"> • Due to forecast of Light rain/ Thundershowers on 8th, 9th and 10th April, 2022, farmers are advised to harvest the matured pods and take precautions while drying red chillies • To control aphids and whiteflies spraying of Imidacloprid @ 0.3ml per litre of water can be done • Yellow sticky traps can be placed in the field for better monitoring of sucking pests • To control anthracnose spraying of Carbendazim or Mancozeb @ 2g/litre of water can be done |
| Mango | Fruit flies Anthracnose | <ul style="list-style-type: none"> • Due to forecast of light rain/ Thundershowers at isolated places on 8th, 9th and 10th and dry weather for subsequent 2 days irrigation can be continued for nursery seedlings/young plants • Considering the possibility of gusty winds staking should be given to the young plants • Keep the orchard clean, by collecting all fallen fruits and plant debris • Covering the mango fruits on tree, 15 days prior to harvest with news or brown paper bags can control the fruit rot which is more common during transit and storage • Possibility of occurrence of anthracnose. Hence spraying of Carbendazim @ 2 g per 1 liter of water is recommended. Spraying should be done 15 days prior to harvesting • Treat harvested fruits with hot water for 1 hr at 48^o C to kill the fruit flies eggs present inside • Install at least 10 Methyl Eugenol (0.1% ie., about 0.3 ml) para pheromone traps per ha with nuvan to control fruit flies |
| Cashew | Tea mosquito bug | <ul style="list-style-type: none"> • Due to forecast of light rain/ Thundershowers at isolated places on 8th, 9th and 10th and dry weather for subsequent 2 days irrigation can be continued for nursery seedlings/young plants • Considering the possibility of gusty winds staking should be given to the young plants • Take control measures against Tea mosquito bug by apply neem-based insecticides • Take control measures against Cashew Stem and Root Borer (CSRB). If the incidence is noticed, remove the grubs from the holes |

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| | | with the help of 15 mm chisel and apply Chloropyriphos 20 EC @ 5 ml per liter of water on the stem (swabbing) |
| Coconut | Coconut mite White flies | <ul style="list-style-type: none"> • Due to forecast of light rain/ Thundershowers at isolated places on on 8th, 9th and 10th and dry weather for subsequent 2 days irrigation can be continued for nursery seedlings/young plants • Considering the possibility of gusty winds staking should be given to the young plants • If termite infestation is noted in the nursery drenching with chlorpyriphos (2ml chlorpyriphos in one litre of water) should be done • To control mites, spraying of 2% neem-garlic emulsion or azadirachtin 10000 ppm @0.004% is recommended • To control whiteflies, application of 1% starch solution on leaflets to flake out the sooty moulds • In severe cases, spray neem oil 0.5% and no insecticide is recommended • Installation of yellow sticky traps on the palm trunk to trap adult whiteflies • The topmost leaf axils may be filled with powdered neem cake @ 250 g + fine sand (250g) per palm to control the rhinoceros beetles |
| Arecanut | | <ul style="list-style-type: none"> • Due to forecast of light rain/ Thundershowers at isolated places on on 8th, 9th and 10th and dry weather for subsequent 2 days irrigation can be continued for nursery seedlings/young plants • Considering the possibility of gusty winds staking should be given to the young plants |
| Livestock | | <ul style="list-style-type: none"> • Due to forecast of Thundershowers, keep the animals indoor • Provide plenty of cool water mixed with minerals for drinking and shower the animals with cold water two to three times in a day • Provide one lemon, 100 gm jaggery and 50g salt in drinking water to the animals during hot weather sun light |
| Poultry | | <ul style="list-style-type: none"> • Provide adequate ventilation suitably in humid climates as birds cannot sweat. Position fans to optimise wind speed if possible. • Reduce stocking densities or provide more floor space/bird. |

Source of Weather Forecast :- Regional Meteorological Centre (RMC), Mumbai
Meteorological Centre (MC), Goa

Members of Agro Advisory Committee of ICAR CCARI, Goa

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