



AAS, Jorhat Unit

(Prepared Based on District wise Weather Forecast received from RMC, Guwahati)

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**Integrated Agromet Advisory Service Bulletin for the District of  
Dibrugarh**

(Period 18<sup>th</sup> January to 22<sup>nd</sup> January, 2012)

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Weather summary of the preceding week (11.01.12 – 17.01.12)		Weather forecast valid from 18 <sup>th</sup> January to 22 <sup>nd</sup> January, 2012	
Not Available		Partly cloudy to cloudy sky will prevail during this week. 5 mm rainfall is predicted in this week. Mainly South easterly wind with a speed of 4.0 to 6.0 kmph is expected. Maximum temperature is predicted as 16,18,20,19 & 21°C and minimum as 5,5,5,4 & 3°C on 18 <sup>th</sup> , 19 <sup>th</sup> , 20 <sup>th</sup> , 21 <sup>st</sup> and 22 <sup>nd</sup> January, 2012 respectively. Morning and evening relative humidity will be around 90,88,87,86 & 76% and 50,55,48,54 & 39% on 18 <sup>th</sup> , 19 <sup>th</sup> , 20 <sup>th</sup> , 21 <sup>st</sup> and 22 <sup>nd</sup> January, 2012 respectively.	
<b>Agromet advisory for the coming week:</b> Based on the above climatic conditions, the agromet advisories for the farmers are as follows-			
Main Crops	Stage	Pest/Diseases	Agromet Advisories
Boro paddy	Transplanting & seedling	-	Around 5 cm of standing water in the field should be maintained 2-3 DAT to 7-10 days before harvest. Application of Urea as 1 <sup>st</sup> split dose should be given after 20 DAT & another one is given after 40 DAT. Two weeding viz, 20 & 40 DAT should be applied just after fertilizer application. Irrigation should be stopped as rainfall was occurring in the last week.
Wheat	Seedling		Two irrigations of 6 cm depth each is to be given in wheat crop. One at CRI stage (25-30 days after sowing) and the another one at heading stage (70-75 days after sowing). Irrigation should be avoided when ground water table remains within 50cm of the root zone. Irrigation should be stopped as rainfall was occurring in the last week.
Rapeseed mustard	& Flowering and siliqua formation	Aphid/Saw fly	Farmers are advised to apply Endosulfan @2ml per lit. of water in toria field during afternoon hours to control aphid and saw fly. Irrigation at flowering or at early siliqua formation stage helps to increase the yield.
Potato	Stolon and tuber formation/ development stage	Late blight	Due to rainfall, the blight attack of potato may appear in the field. For controlling the late blight of Potato, spray Mancozeb 75% a.i. (2.5g/l) at an interval of 12 days. It may also be sprayed as prophylactic measure. Earthing up of potatoes is to be done at stolon formation stage, just before first irrigation. Depending upon the soil moisture status and availability of irrigation facility, farmers are advised to follow the 2 <sup>nd</sup> irrigation at tuber formation stage (60 DAS) and 3 <sup>rd</sup> irrigation at tuber development stage (80 DAS). Care should be taken that there is no submergence at the ridges at the time of irrigation.
Cole crops	transplanting to main field, vegetative, maturity and harvesting	Leaf eating caterpillars	Along with top dressing of fertilizers apply dry compost in ring method at 25 days interval. Wipe out plants affected by Bacterial wilt and drench root zone of unaffected plants with mixture of 1gm Hing + 5 gm Turmeric powder in 10 litre water. Spray Malathion 50 EC @ 1.5 ml/litre to protect the crop from leaf eating caterpillars. Do not plant brinjal and tomato nearby.
Rabi pulses like lentil, rajmah, lathyrus	Flowering, pod formation stage	-	Earthing up in rajmah field should be followed immediately after weeding. One light irrigation at pod filling stage helps to increase yield of lentil. In case of rajmah, irrigation should be given at flowering and pod formation stages.
Sugarcane	Earthing up		In sugarcane field at this time 2 <sup>nd</sup> earthing up should be followed.
Animal care (poultry)		Ranikhet disease	Artificial heating through lighting of electric bulb at poultry house during night time may protect the birds from fall of night temperature and reduce the incidence of mortality. Vaccination to control the <i>ranikhet</i> disease of poultry may be done during this period.
Fishery		Bacterial disease	Apply following chemicals to protect the fish population against various bacterial diseases prevalent in winter season - ✓ Potash @ 4-5 mg/lit of water ✓ Sukrena WS @ 1 lit per bigha of water ✓ Lime in required doses.
Suggestion	Contact nearby SAU Scientists or State Agril Staff or KVK staff for measures against adverse conditions		

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