



Impact Based forecast for Agriculture & Agro-met Advisory for the State of Arunachal Pradesh

05th July 2025

**For the date of
(05th July 2025)
issued by**

Meteorological Centre, Itanagar, Arunachal Pradesh

INDIA METEOROLOGICAL DEPARTMENT

in collaboration with

AMFU, BASAR, ICAR A.P. Centre

<https://mausam.imd.gov.in/itanagar/>

Impact based forecast (IBF) for Agriculture for Anjaw, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

05-07-2025 **Thunderstorm with lightening and heavy rain very likely at isolated places.**

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Anjaw	Finger millet	Sowing/ nursery stage	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Delay sowing and transplantation till forecast of favorable weather Maintain proper drainage around the nursery bed and already sown field.
	Vegetables (Okra, Chilli, Beans, cucumber etc)	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss.
	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth Soil nutrient loss and leaching, affecting seedling vigor and recovery 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Kiwi/ Apple	Flowering/ Fruiting	<ul style="list-style-type: none"> Heavy rain associated with thunderstorm may cause fruit and flower drop. Excess water and strong winds may cause immature fruits to fall or crack Thunderstorms and wind can snap tender shoots or loaded branches. 	<ul style="list-style-type: none"> Ensure proper drainage and field aeration to avoid waterlogging and high humidity Support weak branches with stakes or tying to prevent breakage from wind Avoid insecticide spraying and fertilizer applications
	Soybean	Flowering/ Fruiting	<ul style="list-style-type: none"> Flooding and submergence Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Harvest mature crops immediately and shift to proper covered shelter. Improve field drainage to prevent waterlogging/flooding.

	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> • Damp and muddy conditions cause hoof infections and respiratory issues • Shelter damage leads to exposure to cold and injury • Flooding contaminates water and feed sources, risking animal health • Thunderstorm and lightning may cause serious injury and death. 	<ul style="list-style-type: none"> • Confine animals/birds in their shelter away from iron poles or machinery. • Keep livestock/poultry in well-drained, elevated shelters • Repair and reinforce shelters before heavy rains • Provide clean, uncontaminated water and dry feed storage. • Keep animals away from big trees or electric poles.
--	-----------------------	------------	--	--

Impact based forecast (IBF) for Agriculture for East Kameng, Arunachal Pradesh
(based on the forecast issued on 05-07-2025)
Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025

05-07-2025	<ul style="list-style-type: none"> Thunderstorm with lightening and heavy rain very likely at isolated places
-------------------	--

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
East Kameng	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

Impact based forecast (IBF) for Agriculture for East Siang, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

09-07-2025	<ul style="list-style-type: none"> Heavy rain very likely at isolated places
------------	---

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
East Siang	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

Impact based forecast (IBF) for Agriculture for Leparada, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

06-07-2025	<ul style="list-style-type: none"> Thunderstorm with lightening and heavy rain very likely at isolated places
08-07-2025	<ul style="list-style-type: none"> Heavy rain very likely at isolated places

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Leparada	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

Impact based forecast (IBF) for Agriculture for Lohit, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh

District Level Forecast and warning issued by MC, Itanagar on 05-07-2025

05-07-2025	• Thunderstorm with lightening and heavy rain very likely at isolated places
06-07-2025	• Thunderstorm with lightening and heavy rain very likely at isolated places
08-07-2025	• Heavy rain very likely at isolated places

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Lohit	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

			<ul style="list-style-type: none"> • Death due to lightening and flood 	
	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.

Impact based forecast (IBF) for Agriculture for Longding, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

08-07-2025	<ul style="list-style-type: none"> Heavy rain very likely at isolated places
------------	---

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Longding	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

Impact based forecast (IBF) for Agriculture for Lower Dibang Valley, Arunachal Pradesh (based on the forecast issued on 05-07-2025)
Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025

05-07-2025	<ul style="list-style-type: none"> Thunderstorm with lightening and heavy rain very likely at isolated places
-------------------	--

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Lower Dibang Valley	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

**Impact based forecast (IBF) for Agriculture for Lower Subansiri, Arunachal Pradesh
(based on the forecast issued on 05-07-2025)**

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

08-07-2025	Heavy rain very likely at isolated places.
-------------------	---

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Lower Subansiri	Finger millet	Sowing/ nursery stage	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Delay sowing and transplantation till forecast of favorable weather Maintain proper drainage around the nursery bed and already sown field.
	Vegetables (Okra, Chilli, Beans, cucumber etc)	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss.
	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth Soil nutrient loss and leaching, affecting seedling vigor and recovery 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Kiwi/ Apple	Flowering/ Fruiting	<ul style="list-style-type: none"> Heavy rain associated with thunderstorm may cause fruit and flower drop. Excess water and strong winds may cause immature fruits to fall or crack Thunderstorms and wind can snap tender shoots or loaded branches. 	<ul style="list-style-type: none"> Ensure proper drainage and field aeration to avoid waterlogging and high humidity Support weak branches with stakes or tying to prevent breakage from wind Avoid insecticide spraying and fertilizer applications
	Soybean	Flowering/ Fruiting	<ul style="list-style-type: none"> Flooding and submergence Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Harvest mature crops immediately and shift to proper covered shelter. Improve field drainage to prevent waterlogging/flooding.

	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> • Damp and muddy conditions cause hoof infections and respiratory issues • Shelter damage leads to exposure to cold and injury • Flooding contaminates water and feed sources, risking animal health • Thunderstorm and lightning may cause serious injury and death. 	<ul style="list-style-type: none"> • Confine animals/birds in their shelter away from iron poles or machinery. • Keep livestock/poultry in well-drained, elevated shelters • Repair and reinforce shelters before heavy rains • Provide clean, uncontaminated water and dry feed storage. • Keep animals away from big trees or electric poles.
--	-----------------------	------------	--	--

Impact based forecast (IBF) for Agriculture for Namsai, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

08-07-2025	<ul style="list-style-type: none"> • Heavy rain very likely at isolated places
09-07-2025	<ul style="list-style-type: none"> • Heavy rain very likely at isolated places

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Namsai	Paddy	Transplantation	<ul style="list-style-type: none"> • Seedling damage or uprooting due to strong water flow and flooding • Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> • Ensure proper drainage channels to avoid flooding or submergence of seedlings • Strengthen bunds to prevent field erosion and seedling washout • Postpone fresh transplantation in lowland
	Soybean	Flowering/ Fruiting	<ul style="list-style-type: none"> • Flooding of field causing damage to standing crop • Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> • Immediate harvesting of mature crop and shift to covered shelter. • Maintain proper drainage in the field to avoid waterlogging/flooding • Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> • Flower and fruit drop due to excess moisture and rain impact • Waterlogging stress causing stunted growth and possible root rot • Flooding and submergence causing total damage 	<ul style="list-style-type: none"> • Ensure proper field drainage by creating channels or ridges to prevent water stagnation • Stake or support plants to reduce lodging and physical damage • Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff • If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> • Damp and muddy conditions cause hoof infections and respiratory issues • Shelter damage leads to exposure to cold and injury • Flooding contaminates water and feed sources, risking animal health • Death due to lightening and flood 	<ul style="list-style-type: none"> • Keep livestock/poultry in well-drained, elevated shelters • Repair and reinforce shelters before heavy rains • Provide clean, uncontaminated water and dry feed storage. • Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

Impact based forecast (IBF) for Agriculture for Papumpare, Arunachal Pradesh
(based on the forecast issued on 05-07-2025)
Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025

05-07-2025	• Thunderstorm with lightening and heavy rain very likely at isolated places
06-07-2025	• Thunderstorm with lightening and heavy rain very likely at isolated places
08-07-2025	• Heavy rain very likely at isolated places
09-07-2025	• Heavy rain very likely at isolated places

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Papumpare	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage.

			risking animal health <ul style="list-style-type: none"> • Death due to lightening and flood 	<ul style="list-style-type: none"> • Keep animals away from metal objects and away from water sources.
	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.

Impact based forecast (IBF) for Agriculture for Tirap, Arunachal Pradesh (based on the forecast issued on 05-07-2025)

**Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh
District Level Forecast and warning issued by MC, Itanagar on 05-07-2025**

08-07-2025	<ul style="list-style-type: none"> Heavy rain very likely at isolated places
------------	---

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
Tirap	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding of field causing damage to standing crop Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Immediate harvesting of mature crop and shift to covered shelter. Maintain proper drainage in the field to avoid waterlogging/flooding Provide proper support to plants.
	Chilli/ Okra and other vegetables	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> Damp and muddy conditions cause hoof infections and respiratory issues Shelter damage leads to exposure to cold and injury Flooding contaminates water and feed sources, risking animal health Death due to lightening and flood 	<ul style="list-style-type: none"> Keep livestock/poultry in well-drained, elevated shelters Repair and reinforce shelters before heavy rains Provide clean, uncontaminated water and dry feed storage. Keep animals away from metal objects and away from water sources.

	Fishery	All stages	<ul style="list-style-type: none"> • Heavy rain may cause overflow of ponds, leading to loss of fish. • Inflow of muddy or polluted water may reduce oxygen levels and deteriorate water quality. 	<ul style="list-style-type: none"> • Strengthen pond embankments and install fine-mesh screens at inlets and outlets to prevent fish escape. • Apply lime (as per recommended dose) to maintain pH balance and improve water quality. • Ensure emergency aeration methods (like splashing or using aerators) are ready in case of low oxygen levels.
--	---------	------------	---	---

**Impact based forecast (IBF) for Agriculture for West Kameng, Arunachal Pradesh
(based on the forecast issued on 05-07-2025)**

Issued by AMFU, Basar, ICAR A.P. Centre, Arunachal Pradesh

District Level Forecast and warning issued by MC, Itanagar on 05-07-2025

05-07-2025	Thunderstorm with lightening and heavy rain very likely at isolated places.
07-07-2025	Thunderstorm with lightening and heavy rain very likely at isolated places.
08-07-2025	Heavy rain very likely at isolated places.

IBF & Agromet Advisories based on the forecast issued on 05-07-2025

District	Crop	Stage	Likely Impact on crop	Advisory
West Kameng	Finger millet	Sowing/ nursery stage	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth 	<ul style="list-style-type: none"> Delay sowing and transplantation till forecast of favorable weather Maintain proper drainage around the nursery bed and already sown field.
	Vegetables (Okra, Chilli, Beans, cucumber etc)	Flowering and fruiting	<ul style="list-style-type: none"> Flower and fruit drop due to excess moisture and rain impact Waterlogging stress causing stunted growth and possible root rot Flooding and submergence causing total damage 	<ul style="list-style-type: none"> Ensure proper field drainage by creating channels or ridges to prevent water stagnation Stake or support plants to reduce lodging and physical damage Avoid fertilizer or pesticide application just before rain to prevent wastage and runoff If flooding is likely, harvest mature produce early to avoid total loss.
	Paddy	Transplantation	<ul style="list-style-type: none"> Seedling damage or uprooting due to strong water flow and flooding Submergence leading to poor establishment and delayed growth Soil nutrient loss and leaching, affecting seedling vigor and recovery 	<ul style="list-style-type: none"> Ensure proper drainage channels to avoid flooding or submergence of seedlings Strengthen bunds to prevent field erosion and seedling washout Postpone fresh transplantation in lowland
	Kiwi/ Apple	Flowering/ Fruiting	<ul style="list-style-type: none"> Heavy rain associated with thunderstorm may cause fruit and flower drop. Excess water and strong winds may cause immature fruits to fall or crack Thunderstorms and wind can snap tender shoots or loaded branches. 	<ul style="list-style-type: none"> Ensure proper drainage and field aeration to avoid waterlogging and high humidity Support weak branches with stakes or tying to prevent breakage from wind Avoid insecticide spraying and fertilizer applications
	Soybean	Fowering/ Fruiting	<ul style="list-style-type: none"> Flooding and submargence Flower and pod drop due to water stress and physical damage 	<ul style="list-style-type: none"> Harvest mature crops immediately and shift to proper covered shelter.

				<ul style="list-style-type: none"> • Improve field drainage to prevent waterlogging/flooding.
	Livestock/ Poultry	All stages	<ul style="list-style-type: none"> • Damp and muddy conditions cause hoof infections and respiratory issues • Shelter damage leads to exposure to cold and injury • Flooding contaminates water and feed sources, risking animal health • Thunderstorm and lightning may cause serious injury and death. 	<ul style="list-style-type: none"> • Confine animals/birds in their shelter away from iron poles or machinery. • Keep livestock/poultry in well-drained, elevated shelters • Repair and reinforce shelters before heavy rains • Provide clean, uncontaminated water and dry feed storage. • Keep animals away from big trees or electric poles.