



SAMPOORNA FASAL KAWACH Policy Schedule

Agriculture Insurance Company of India

Contents

Policy Schedule	3
Scope of Cover	5
Definitions	5
1. Maximum Temperature	5
2. Minimum Temperature	5
3. Temperature Range	5
4. Rainfall	5
5. Wind Speed	5
6. Bright Sunshine Hour	5
7. Relative Humidity	5
8. High Temperature	5
9. Temperature Range Deviation	5
10. Low Temperature	6
11. Frost	6
12. Excess Rainfall	6
13. Wind Speed Deviation	6
14. Bright Sunshine Hour (BSH) Deviation	6
15. Relative Humidity Deviation	6
16. Reference Weather Station (RWS)	6
17. Reference Period	6
18. Derived Indices	7
Sum Insured	8
Exclusions	8
I. Main Exclusions	8
II. General Exceptions	8
Claim Procedure	9
Claim Documentation	9
General Conditions	9
Franchise:	11
Notices	11
Customer Service	12
Grievances	12
Agreed Bank Clause	122

Policy Schedule

Agriculture Insurance Company of India Limited (“AIC”), having received a Proposal and the premium from the Proposer named in the Schedule referred to herein below, and the said Proposal and Declaration together with any statement, report or other document leading to the issue of this Policy and referred to therein having been accepted and agreed to by AIC and the Proposer as the basis of this contract do, by this Policy agree, in consideration of and subject to the due receipt of the subsequent premiums, as set out in the Schedule with all its parts, and further, subject to the terms and conditions contained in this Policy, as set out in the Schedule with all its parts that on proof to the satisfaction of AIC of the compensation having become payable as set out in the Schedule to the title of the said person or persons claiming payment or upon the happening of an event / events upon which one or more benefits become payable under this Policy, the Sum Insured/appropriate benefit will be paid by AIC.

Name of the Insured	:																							
Address	:																							
Bank Account No.	:																							
Name and Address of the branch	:																							
Proposal Date	:																							
Crop & Variety cultivated	:																							
Details of area to be insured (Location, Survey No. etc.)	:																							
Extent of area proposed for Insurance	:																							
Date of Sowing	:																							
Expected Date of Harvesting	:																							
Reference Weather Station	:																							
Choice of coverage & Period of Insurance (For details of period, triggers and payouts refer the technical document Annexure) Term sheet as submitted by the proposer – A sample Term sheet is provided below		<table border="1"> <thead> <tr> <th>Cover Type</th> <th>Select the choice of cover (Yes/No)</th> </tr> </thead> <tbody> <tr> <td>1. Rainfall cover</td> <td></td> </tr> <tr> <td>2. Temperature cover</td> <td></td> </tr> <tr> <td>3. Humidity covers</td> <td></td> </tr> <tr> <td>4. Sunshine Hours</td> <td></td> </tr> <tr> <td>5. Chilling requirement</td> <td></td> </tr> <tr> <td>6. High Wind speed</td> <td></td> </tr> <tr> <td>7. Pest-Disease congenial climate</td> <td></td> </tr> <tr> <td>8. Crop Health Factor</td> <td></td> </tr> <tr> <td>9. Crop Failure Cover</td> <td></td> </tr> <tr> <td>10. Localized Perils Cover</td> <td></td> </tr> </tbody> </table>	Cover Type	Select the choice of cover (Yes/No)	1. Rainfall cover		2. Temperature cover		3. Humidity covers		4. Sunshine Hours		5. Chilling requirement		6. High Wind speed		7. Pest-Disease congenial climate		8. Crop Health Factor		9. Crop Failure Cover		10. Localized Perils Cover	
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Period/Phase	16-Jul to 5-Sep			
Number of Consecutive dry days (CDD) (*)			Pay-out (in Rs.)	
STRIKE I (>=)	15 days		5000	
STRIKE II (>=)	20 days		10000	
STRIKE III (>=)	25 days		20000	
Exit	40 days		50000	
<i>Total Maximum pay-out: Rs. 50000</i>				
(*) Dry day is a day having daily rainfall less than 2.5 mm				
Coverage options	:	Option 1	Option 2	Option...
Sum Insured (Rs.)	:			
Premium (Rs.)	:			
Total Sum Insured (Rs.)	:			
Total Premium (Rs.)	:			
Add: Service Tax @.....%	:			
Gross Premium (Rs.)	:			

Signed for and on behalf of the Agriculture Insurance Company of India Limited, at _____ on this date _____.

Authorized Signatory

Scope of Cover

AICIL hereby agree, subject to the terms, conditions and exclusions herein contained, or otherwise expressed herein, to compensate, in the manner specified in the Schedule, against any significant deviation in the specified Index as stated therein, within the specified geographical location and specified time period, subject to a maximum of the Sum Insured stated under each parameter stated in the Schedule of this Policy.

Definitions

1. Maximum Temperature

Maximum Temperature shall mean the highest temperature (° C) recorded for a day at the reference weather station (as defined hereinafter).

2. Minimum Temperature

Minimum Temperature shall mean the lowest temperature (° C) recorded for a day at the reference weather station.

3. Temperature Range

'Temperature Range' is the difference between the Maximum and Minimum Temperatures recorded on a given day at the reference weather station.

4. Rainfall

Rainfall shall mean the daily rainfall (mm / cm) recorded at the reference weather station.

5. Wind Speed

Wind speed shall mean the average wind speed for a day (km / hour or miles/ hour) recorded at the reference weather station.

6. Bright Sunshine Hour

The number of hours of bright sun shines per day as measured at the reference weather station.

7. Relative Humidity

Relative humidity is the amount of water vapor present in the atmosphere expressed as the percentage of maximum that could be present at the same temperature.

8. High Temperature

"High Temperature" shall mean-

Maximum Temperature (° C) recorded at the reference weather station above the trigger level consecutively for a specific no. of days during the reference period.

Or

The sum of deviations in daily actual maximum temperature recorded at the reference weather station above the trigger level during the reference period or for different months during the reference period.

9. Temperature Range Deviation

The daily "Temperature Range Deviation" is the sum of absolute deviations (to be specified for each individual policy), exceeding the trigger value, in daily temperature range from the

normal range of the day during the reference period or for different months during the reference period.

10. Low Temperature

“Low Temperature” shall mean-

Daily Minimum Temperature (° C) recorded at the reference weather station below the trigger level consecutively for a specific no. of days during the reference period.

Or

The sum of deviations in daily actual minimum temperature recorded at the reference weather station below the trigger level during the reference period or for different months during the reference period.

11. Frost

“Frost” is the condition when minimum temperature falls below 4° C in a day. Frost shall mean the sum of deviations (deviations calculated month wise or for the entire period) in daily actual minimum temperature below 4° C recorded at the reference weather station during the reference period.

12. Excess Rainfall

“Excess Rainfall” shall mean the actual rainfall in excess of the trigger value (calculated on daily / weekly/ monthly basis) subject to capping (as wherein applicable) recorded at the reference weather station during the reference period.

13. Wind Speed Deviation

“Wind Speed Deviation” is the sum of positive deviations (calculated for the reference period) in actual wind speed, (subjected to caps fixed) recorded at the reference weather station exceeding the threshold trigger levels.

14. Bright Sunshine Hour (BSH) Deviation

Bright Sunshine Hour shall mean the actual period of sunshine hour (daily / weekly / monthly/ for the entire reference period) recorded at the reference weather station below the trigger levels.

15. Relative Humidity Deviation

Relative Humidity Deviation shall mean the actual Relative Humidity recorded at the reference weather station above / below (to be specified separately for each policy) the trigger level specified.

16. Reference Weather Station (RWS)

“Reference Weather Station” shall mean the India Meteorological Department’s (IMD) weather station (or stations set up by departments of State Government, Research Institute, Universities or other independent weather stations set up private data providers) to record various weather parameters (to be specified for each individual policy).

17. Reference Period

Reference Period shall be the period for which the insurance shall be in force for a weather parameter.

18. Derived Indices

Vegetation indices derived from multispectral remote sensing data are one of the primary sources of information for operational monitoring of earth's land cover (Gilbert et al., 2002; Baig et al., 2014). The applications of these indices have ranged from a simple leaf level study to global vegetation cover assessment (Viña et al., 2011). Vegetation indices have been aimed at enhancing the vegetation signature while minimizing the soil background effects (Jackson and Huete, 1991).

The principle behind this is the high absorption of green healthy vegetation in the red wavelength due to the leaf pigments such as chlorophyll and high reflectance of vegetation due to internal leaf structure in NIR wavelength of the electromagnetic spectrum.

On the other hand, unhealthy or sparse vegetation reflects more in red wavelength than healthy vegetation. Barren land and soil reflect moderately in both the red and NIR wavelengths (Holme et al., 1987).

a. Normalised Difference Vegetation Index (NDVI)

NDVI is a numerical indicator that uses red and NIR bands of remote sensing data to assess whether the land cover includes live and green vegetation or not. NDVI is a measure of (the level of) greenness and biomass of vegetation and for that matter of plant health. High NDVI values indicate green and healthy vegetation, while low values signify little or stressed vegetation.

b. Leaf Area Index (LAI)

It is defined as the ratio of one-sided leaf area per unit of ground area (m^2/m^2). LAI characterizes plant canopy structure and gives an idea of the amount of biomass available in a field.

c. Normalised Difference Water Index (NDWI)

The Normalized Difference Water Index (NDWI) is a remote sensing derived index estimating the leaf water content at canopy level. It is derived from the Near-Infrared (NIR) and Short-Wave Infrared (SWIR) reflectance channels.

d. Soil Adjusted Vegetation Index (SAVI)

The soil-adjusted vegetation index was developed as a modification of the Normalized Difference Vegetation Index to correct for the influence of soil brightness when vegetative cover is low. The SAVI is structured similar to the NDVI but with the addition of a "soil brightness" correction factor.

e. Normalised Difference Red Edge (NDRE)

NDRE is an index that can only be formulated when the Red edge band is available in a sensor. It is sensitive to chlorophyll content in leaves (how green a leaf appears), variability in leaf area, and soil background effects. High values of NDRE represent higher levels of leaf chlorophyll content than lower values.

f. Chlorophyll Absorption Ratio Index (CARI)

It is a spectral index i.e. mathematical combination of reflectance at the visible and NIR bands, including vegetation index, fluorescence index, and trilateral index.

g. Environmental Vegetation Index (EVI)

The enhanced vegetation index (EVI) was developed as an alternative vegetation index to address some of the limitations of the NDVI. The EVI was specifically developed to be

more sensitive to changes in areas having high biomass (a serious shortcoming of NDVI), reduce the influence of atmospheric conditions on vegetation index values, and correct for canopy background signals

Sum Insured

“Sum Insured” means and denotes the amount of cover available under each parameter as stated in the Schedule. This is the maximum that AIC will pay under the policy. The maximum amount payable under various sections will be specified separately.

The weather parameters described above may not be applicable to all crops. Specific weather parameters shall be applicable for each crop separately. Trigger levels, caps and period for each parameter and for each crop shall be specified separately.

Exclusions

I. Main Exclusions

Agriculture Insurance Company of India Limited (AIC) shall not be able to make any payment under this policy in connection with or in respect of any expense whatsoever incurred by any insured in connection with or in respect of any loss, howsoever caused, other than on account of any other peril other than those perils / events covered under the different parameters of the policy.

The insurance does not cover-

1. Loss by theft of any kind, including theft during or after the occurrence of any insured peril.
2. Earthquake, Volcanic eruption or other convulsions of nature other than those specifically covered by this insurance.
3. Damage or loss due to
4. Excess or deficiency of nutrients either in soil or by application
5. Willful negligence of insured and/or his employees or anyone acting on their behalf
6. Human action, birds, locust, rodents, pest attacks
7. Loss or damage to fertilizer, manures, pesticides and insecticides stored in the insured’s agricultural fields.
8. Loss of capital investment/inputs like land cost, loss or damage to structures supporting the insured crop, irrigation systems, agricultural equipment’s and implements.
9. Any loss or damage whilst the crop is in transit or storage.

II. General Exceptions

The company shall not be liable in respect of:

1. Loss or damage liability or expenses whether direct or indirect occasioned by happening through or arising from any consequences of war invasion act of foreign enemy hostilities (whether war be declared or not) civil war rebellion, revolution insurrection military or usurped power or civil commotion or loot or pillage in connection herewith.

2. Consequential loss of any kind or description.
3. (a) Loss or damage directly or indirectly caused by arising from or in consequence of or contributed to by nuclear weapons material.
(b) This insurance does not cover loss of damage directly or indirectly caused by or arising from or in consequence of or contributed to by ionizing radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.

Claim Procedure

Claims are automated; and will be settled on weather data recorded at RWS and Derived Indices values assessed from satellite imagery for the period specified. Claims when become payable, will be paid at a uniform rate to all the insured growers in the specified geographical area growing the insured crop. Claims will be directly credited to the Bank account of the insured grower, as specified in the proposal form.

Claim Documentation

At the time of settling claims the insured shall be required to furnish one or more of the following documents to AIC:

1. Copy of Cover Note / Policy
2. Copy of Confirmation Certificate
3. Proof of insurable interest: Land record Proof / Pattadar Pass Book / Area Sown Certificate, etc.

General Conditions

1. In no case whatsoever shall AIC be liable for any loss or damage after the expiration of 12 months from the time period as specified for lodging of the claim of the loss or damage unless the claim is the subject of pending action or arbitration; it being expressly agreed and declared that if AIC shall disclaim liability for any claim hereunder and such claim shall not within 12 calendar months from the date of the disclaimer have been made the subject matter of a suit in a court of law then the claim shall for all purposes be deemed to have been abandoned and shall not thereafter be recoverable hereunder.
2. During the period of this policy, the insured should possess all rights with regard to the agricultural land and the crop cultivated as specified by the insured in the Schedule to the policy. The insured shall provide to AIC such title deeds and other documents as may be required by AIC for verification of his/her interest over the insured property. The due observance and fulfillment of the above shall be a condition precedent for settlement of any claim under this policy.

3. The Policy shall be null and void and no benefit shall be payable in the event of untrue or incorrect statements, misrepresentation, mis-description or on non-disclosure of any material particular in the proposal form, personal statement, declaration and connected documents, or any material information having been withheld, or a claim being fraudulent or any fraudulent means or devices being used by the Insured or any one acting on his behalf to obtain any benefit under this Policy.

4. The Policy and the Schedule shall be read together and any word or expression to which a specific meaning has been attached in any part of this Policy or of the Schedule shall bear the same meaning wherever it may appear. The due observance and fulfillment of the terms, conditions and endorsement of this Policy in so far as they relate to anything to be done or complied with by the Insured, shall be a condition precedent to any liability of AIC to make any payment under this Policy.

5. Any of the circumstances in relation to these conditions coming to the knowledge of any official of AIC shall not be the notice to or be held to bind or prejudicially affect AIC notwithstanding subsequent acceptance of any premium. AIC shall not be bound to notice or be affected by any notice of any trust, charge, lien, assignment or other dealing with or relating to this Policy but the receipt of the Insured or his legal personal representative shall in all cases be an effectual discharge to AIC.

6. Any special provisions subject to which this Policy has been entered into and endorsed in the Policy or in any separate instrument shall be deemed to be part of this Policy and shall have effect accordingly.

7. If any claim is in any respect fraudulent, or if any false statement, or declaration is made or used in support thereof, or if any fraudulent means or devices are used by the Insured or anyone acting on his behalf to obtain any benefit under this Policy, or if a claim is made and rejected and no court action or suit is commenced within twelve months after such rejection or, in case of arbitration taking place as provided therein, within twelve (12) calendar months after the Arbitrator or Arbitrators have made their award, all benefits under this Policy shall be forfeited.

8. Any dispute concerning the interpretation of the terms, conditions, limitations and/or exclusions contained herein is understood and agreed to by both the Insured and AIC to be subject to Indian Law. Each party agrees to submit to the exclusive jurisdiction of the High Court of New Delhi and to comply with all requirements necessary to give such Court the jurisdiction. All matters arising hereunder shall be determined in accordance with the law and practice of such Court.

9. The Company may cancel this Policy by sending Seven days' notice by Registered Letter to the Insured at his last known address and in such event will return to the Insured the Premium paid, less the pro-rata portion thereof, for the period of Policy has been in force or the Policy may be cancelled at any time by the Insured on Seven days' notice and (provided no claim has arisen during the current period of Insurance), the Insured shall be entitled to a return of premium, less

premium at the Company's short period rates for the period the Policy has been in force. The short period premium rates shall be 50% for first month, 75% for first two months and full premium thereafter. The short period premium rates shall be applicable for insurance cover of two or more months of duration.

10.If any dispute or difference shall arise as to the quantum to be paid under this Policy (liability being otherwise admitted) such difference shall independently of all other questions be referred to the decision of a sole arbitrator to be appointed in writing by the parties to the dispute/difference, or if they cannot agree upon a single arbitrator within 30 days of any party invoking arbitration, the same shall be referred to a panel of three arbitrators, comprising of two arbitrators, one to be appointed by each of the parties to the dispute/difference and the third arbitrator to be appointed by such two arbitrators. Arbitration shall be conducted under and in accordance with the provisions of the [Indian] Arbitration and Conciliation Act, 1996.

11.It is clearly agreed and understood that no difference or dispute shall be referable to arbitration, as hereinbefore provided, if AIC has disputed or not accepted liability under or in respect of this Policy.

12.It is hereby expressly stipulated and declared that it shall be a condition precedent to any right of action or suit upon this Policy that the award by such arbitrator/ arbitrators of the amount of the loss or damage shall be first obtained.

13.This insurance shall cease to attach, if the interest in the subject matter of Insurance passes from the Insured to anyone otherwise than by "WILL" or by operation of law.

Franchise:

Any claims over and above the "Gross premium or Rs.500/- which is lesser" per claim per policy only will be eligible for payment.

Notices

Any notice, direction or instruction given under this Policy shall be in writing and delivered by hand, post, or facsimile to:

(i) In case of the Insured, at the address specified in the Schedule.

(ii) In case of **Agriculture Insurance Company of India Limited:**

HEAD OFFICE:	REGIONAL OFFICE (.....):
<p>5th Floor, Plate B& C, Office Block 1 East Kidwai Nagar, New Delhi- 110023</p> <p>E-mail: aicho@aicofindia.com</p> <p>Website :www.aicofindia.org</p>	

Notice and instructions will be deemed served 7 days after posting or immediately upon receipt in the case of hand delivery, facsimile or e-mail.

Customer Service

If at any time the Insured requires any clarification or assistance, the Insured may contact the offices of AIC at the address specified, during normal business hours.

Grievances

In case the Insured is aggrieved in any way, the Insured may contact AIC at the specified address, during normal business hours. A Grievance may be communicated by the Complainant to the Company (GRO) in writing, through post, e-mail, fax, personal submission or through AIC's online Grievance Portal

Head Office	Designated Grievance Redressal Officers	Contact No.
Plate B & C, 5th Floor, Block 1, East Kidwai Nagar, New Delhi - 110023 E-Mail:- aicho@aicofindia.com	Ms. M. Rajeshwari Singh General Manager & Chief Grievance Redressal Officer (CGRO)- Appellate Authority Dr. Ashok Yadav Chief Manager & Grievance Redressal Officer (GRO) E-Mail : fasalbima@aicofindia.com	(+91 11)24604404 (+91 11)24604422

Agreed Bank Clause

It is hereby declared and agreed: -

- (a) That upon any monies becoming payable under this policy the same shall be paid by AIC to the Bank and such part of any monies so paid as may relate to the interests of other parties Insured hereunder shall be received by the Bank as Agents for such other parties.
- (b) That the receipts of the Bank shall be complete discharge of AIC therefore and shall be binding on all the parties insured hereunder.
- (c) That if and whenever any notice shall be required to be given or other communication shall be required to be made by AIC to the Insured or any of them in any matter arising under or in connection with this policy such notice or other communication shall be deemed to have been sufficiently given or made if given or made to the Bank.
- (d) That any adjustment, settlement, compromise or reference to arbitration in connection with any dispute between AIC and the Insured or any of them arising under or in connection with this policy if made by the Bank shall be valid and binding on all parties Insured hereunder but not so as to impair rights of the Bank to recover the full amount of any claim it may have on other parties Insured hereunder.
- (e) It is further agreed that whenever AIC shall pay the Bank any sum in respect of loss or damage under this policy and shall claim that as to the Mortgagor or owner no liability therefore existed, AIC shall become legally subrogated to all the rights of the Bank to the extent of such

payments but not so as to impair the right of the bank to recover the full amount of any claim it may have on such Mortgagor or Owner or any other party or parties insured hereunder or from any securities or funds available.

DETAILS OF GROWERS/FARMS INSURED UNDER SAMPOORNA FASAL KAWACH

(To be filled up in order of District, Block & Gram Panchayat as far as possible)

Attached to and forming part of Policy / Cover Note No.:

Choice of Insurance cover :

Cover Type	Select the choice of cover (Yes/No)
1. Rainfall cover	
2. Temperature cover	
3. Humidity covers	
4. Sunshine Hours	
5. Chilling requirement	

Cover Type	Select the choice of cover (Yes/No)
6. High Wind speed	
7. Pest-Disease congenial climate	
8. Crop Health Factor	
9. Crop Failure Cover	
10. Localized Perils Cover	

Crop to be insured:

SI No	Name & Address of the Farmer	Description of the Insured Field				Area in Acres	Date of Sowing	Expected date of harvesting	Sum Insured (Rs.)	Premium (Rs.)	S. T. @- ---- % (Rs.)	Gross Premium (Rs.)	Bank Name, Branch and Account No.)
		District	Block/ Tehsil	Village	Survey No & Plot no.								

(Attach additional sheets if necessary)