

DEPARTMENT OF AGRICULTURE

“Arunachal Millet and Buckwheat Mission in
collaboration with KVKs”

Deputy Director (Planning)
Govt. of Arunachal Pradesh
Itanagar

Vetted

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Arunachal Millet and Buckwheat in collaboration with KVKs

1. Introduction:

Millet and Buckwheat missions are crucial initiatives aimed at promoting sustainable agriculture and enhancing food security in Arunachal Pradesh. These missions, in collaboration with Krishi Vigyan Kendras (KVKs) and State Agriculture Department, are designed to not only increase the production of these vital crops but also to improve the livelihoods of farmers in the region.

The launch of these missions signifies a significant step towards diversifying crops, reducing dependency on traditional crops, and boosting agricultural productivity. By partnering with KVKs, which play a pivotal role in disseminating agricultural technologies and practices to farmers, these missions can effectively reach and benefit a larger number of farmers in Arunachal Pradesh.

This comprehensive scheme will serve as a framework for the cultivation of millet and buckwheat with the active participation of farmers as the primary beneficiaries and the technical support of KVKs and the Department of Agriculture. The cost norms provided can be used as a guide for budgeting and resource allocation, ensuring the effective implementation of the project.

2. Objectives:

- i) To increase the production and productivity of millets and buckwheat in the target regions.
- ii) To promote diversification of cropping systems and improve the livelihood and food security of the farming communities.
- iii) To strengthen the farmer-KVK linkage for effective technology dissemination and adoption.
- iv) To empower small and marginal farmers by providing access to necessary inputs, technical knowledge, and market linkages.
- v) To strengthen the millet value chain and improve the socio-economic status of the participating farmers.

3. Period of the project:

- i) The duration of this project will be for a period of 2 years in Mission mode as per fund provision made available by the state.
- ii) In the first year, six districts will be covered under this project. Upon its success new districts will be covered in the subsequent years.
- iii) After the completion of this project, it will be taken up under the normal departmental plan.

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Criteria for selection of Districts:

Six Districts of Arunachal Pradesh with established KVKs and potential for achieving high APY (Area, Production & Yield) on Millets (Finger Millet, Foxtail Millet etc) & Buckwheat has been identified and will be covered under this

project, focusing mainly on area expansion, post-harvest technology and market support. These districts are:

- i) Tirap : Millet
- ii) Longding : Millet
- iii) Upper Siang : Millet
- iv) Tawang : Millet
- v) East Siang : Buck wheat
- vi) Lower Dibang Valley : Buck wheat

5. Eligible Beneficiaries:

- i) The Scheme can be applied by individual farmers as well as SHGs/FPOs/NGOs.
- ii) For area expansion, ceiling Limit for individual farmer will be up to 2.0 Ha. & for groups shall be up to 5.0 Ha.
- iii) The final selection of the beneficiaries will be by the DLIC.
- iv) PRIs shall be involved in selection of beneficiaries/ farmers at the Panchayat level.
- v) The farmers should be willing to contribute 10% of the total project cost to Govt.

6. Key Components:

i) Technical Backstopping by KVKs and Farmer's involvement:

Throughout the implementation of this scheme, the active involvement of farmers is crucial. KVKs will engage with local farmers, provide training and demonstrations on the recommended cultivation practices, and facilitate access to quality inputs and resources. The KVKs should also provide technical backstopping by:

- a) Engage KVKs to provide comprehensive technical support, including crop-specific package of practices, soil testing, and pest and disease management.
- b) Establish demonstration plots at KVK centers and selected farmer fields to showcase the performance of improved varieties and cultivation practices.
- c) Facilitate regular interactions and field visits between KVK scientists and participating farmers.
- d) Establish market linkages and assist with value addition activities - Assisting in the marketing and value addition of the harvested produce.
- e) Conduct impact assessments and provide feedback to the farmers and policymakers.

ii) Farmer Outreach and Capacity Building:

- a) Organize awareness campaigns and training programs for farmers on the benefits and cultivation practices of millets and buckwheat.
- b) Conduct field demonstrations and exposure visits to showcase successful farmer models and best practices.
- c) Provide training to farmers on post-harvest processing, value addition, and market linkages.

iii) Input Support and Subsidies for area expansion, production & productivity:

- a. The scale of finance/ unit cost for cultivation of Millet & Buckwheat shall be as per ANKY guidelines.

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- b. The expenditure to be incurred in this project will be one-time for a beneficiary and **non-recurring** in nature.

iv) Trainings:

Training of Trainers/ Extension functionaries/ Farmers play a crucial role for dissemination of improved crop production technology to farmers. The training shall be imparted by Agriculture Department/ KVKs / SAMETI etc. A sum of Rs. 15,000/- (Fifteen thousand) only per training will be available under the scheme. There will be 50 participants in each training session. The item-wise breakup of training for one day is given as under:

Item	Rate (Rs.)	Amount (in Rs.)
Honorarium (2 resources)	@ Rs. 1500 per person /session	Rs.3000/-
Training Material and Stationery	Rs.500/ session	Rs.2000/-
Refreshments	Rs.150/ head for 50 persons	Rs.7500/-
Contingency, Transport etc	Lumpsum	Rs. 2500/-
	Total	Rs.15,000

v) Funding Pattern and Subsidy Support:

The scale of finance/ unit cost for cultivation of Millet & Buckwheat shall be as approved under ANKY guidelines as follows:

a) Millet (Finger millet/ Foxtail millet) and Buck wheat:

Sl. No	Name of crop	Cost of seeds	Land preparation	Crop management		Wages & fence with locally available material		Per ha (in Rs)
				INM	IPM	from scheme	Beneficiary contribution	
1	Finger millet	5000	4000	8000	5000	2400	2600	26,000
2	Fox tail millet	7000	4000	11000	7000	3500	3500	35,000
3	Buckwheat	7000	4000	11000	7000	3500	3500	35,000

Pattern of Assistance shall be as follows:

- i) The beneficiaries under the scheme will be eligible for subsidy from Government of Arunachal Pradesh as follows:

Sl. No	Particular	Share in Project Cost	Remark
1	Beneficiary	Minimum 10%	The beneficiary contribution to be deposited in the account of Project Implementing Agency (PIA) in form of cash.
2	Subsidy from GoArP	Maximum 90%	The Subsidy amount is to be released along with the beneficiary contribution to the suppliers/ dealers after completion of the work as one time payment.

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1. The commitment by the State Government will be to release subsidy through State Department of Agriculture, subject to the condition that the project is approved by the DLIC.
2. The Unit Cost in respect of the field based or area expansion activities involve a large component of own or hired labor by the farmer/ project holder. The same is to be reckoned towards Beneficiary contribution to the extent of minimum 10% which will be released back to the beneficiary after completion of the project.

7. Scheme Implementing Agency:

- i) At State HQ Level
 - a) Directorate of Agriculture
- ii) At District level (DLIC):
 - 1) District agriculture Officer
 - 2) Senior Scientist & head of KVKs
 - 3) Agronomist
 - 4) District Training Officer
 - 5) Farm Manager

8. Implementation Approach:

- i) Identify the target regions based on the agro-climatic suitability and existing cropping patterns.
- ii) Engage with local government bodies, agricultural extension departments, and farmer organizations to ensure effective implementation and outreach.
- iii) Collaborate with KVKs to leverage their expertise and established networks within the farming communities.
- iv) Develop partnerships with private sector players, such as input suppliers, processors, and marketers, to strengthen the value chain.
- v) Ensure the active participation of women and youth farmers to promote gender equity and intergenerational knowledge transfer.
- vi) Integrate the scheme with existing government programs and schemes to optimize resource utilization and create synergies.

9. Market Linkages and Value Addition:

- i) Assist farmers in establishing direct market linkages with local traders, processing units, and consumer cooperatives in collaboration with APAMB (Arunachal Pradesh Agriculture Marketing Board)/ APMCs.
- ii) Promote the development of small-scale processing units and value-added products to enhance the income of farmers.
- iii) Organize farmer-buyer interactions and facilitate contract farming arrangements.

10. Monitoring & Evaluation:

- i) Develop a robust monitoring and evaluation framework to track the progress and impact of the scheme.
- ii) At State Level, the Director Agriculture will constitute a committee and monitor the scheme.
- iii) At District level, a monitoring Committee shall be constituted by the District Agriculture Officer under the Chairmanship of the Deputy Commissioner or his representatives to monitor the project.

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iv) The impact evaluation study shall be conducted by the KVKs of the State which will cover the following **outcome measurement data points** viz:

- a) **Yield:** Measure the quantity of millet and buckwheat harvested per unit area (e.g., kg/ha) to assess productivity. In this regard, crop cutting survey will be conducted, involving sampling and measurement of crop yields in specific areas to estimate crop production accurately.
- b) **Pest and Disease Incidence:** Record the occurrence and severity of pests and diseases, along with the effectiveness of management practices.
- c) **Economic Analysis:** Calculate the cost of cultivation, gross returns, and net profit per hectare (**cost: benefit analysis**) to assess the economic viability of the project.
- d) **Farmer Adoption:** Assess the willingness and ability of farmers to adopt improved millet and buckwheat cultivation practices or varieties.

By tracking these parameters, the pilot project can provide valuable insights into the **feasibility, profitability, and sustainability** of millet and buckwheat cultivation under the tested conditions.

Outcome indicators and formula:

Sl. No	Indicator	Formula
1.	% Increase in Cultivated Area	$\frac{\text{Area in current year (ha)} - \text{Base year area (ha)}}{\text{Base year area (ha)}} \times 100$
2.	% Increase in Production	$\frac{\text{Production in current year (MT)} - \text{Base year production (MT)}}{\text{Base year production (MT)}} \times 100$
3.	Yield per hectare (Productivity)	$\frac{\text{Total production (MT)}}{\text{Total cultivated area (ha)}}$
4.	Adoption Rate of Improved Varieties	$\frac{\text{No. of farmers using improved seeds}}{\text{Total Target farmers}} \times 100$
5.	Women Participation Rate	$\frac{\text{No. of women farmers/processors}}{\text{Total beneficiaries}} \times 100$
6.	Reduction in Post-Harvest Losses (%)	$\frac{\text{Loss before} - \text{Loss after}}{\text{Loss before}} \times 100$
7.	% Increase in Farmer Income	$\frac{\text{Average annual income after} - \text{Before}}{\text{Before}} \times 100$
8.	Benefit-Cost Ratio	$\frac{\text{Gross Returns}}{\text{Total Costs}}$

The successful implementation of this scheme will require the active participation and coordination of the KVK, state agricultural departments, millet and buckwheat farmer communities, and other stakeholders. Regular monitoring, evaluation, and knowledge sharing will be crucial for ensuring the long-term sustainability and scalability of the millet and buckwheat cultivation program.

By implementing this comprehensive scheme, the cultivation of millets and buckwheat can be significantly enhanced, leading to improved food security, income generation, and resilience of the participating farming communities.

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ANNEXURE -A
APPLICATION FORMAT

1. Name of the Scheme : Arunachal Millet and Buckwheat Mission
2. Name of Beneficiary : _____
3. Father / Husband Name : _____
4. Village /Town : _____
5. Circle. : _____
6. District : _____
7. Mobile No. : _____
8. ST Certificate No. & Date : _____
9. ADHAAR Card No. : _____
10. Bank Account No. : _____
(For Group of Farmers under One cluster, document required from Team leader, All required documents to be enclosed)
11. LPC/any land documents Order No. & Date : _____
(A copy of Land ownership document to be enclosed. This Will include LPC/ any Land Documents dully Certified by HGB /GB / PRI and countersigned by the local administration along with a certified copy of the Sketch Map)
12. Total Area of land under cultivation : _____ Ha.
13. Name of Cluster Area/location with geo-reference : _____
14. Approx. Perimeter in KM to be fenced/covered : _____
15. Educational Qualification/ Training/ Experience, if any : _____
16. Total No.of beneficiaries, in case of group of farmers in one cluster : _____

(Signature of the Beneficiary /authorized representative with Date)

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1. Recommendation of the Selection Committee (Put \checkmark tick marks)

- Fit and recommended
 Not viable
 Not within the Guidelines

2. Remarks of Deputy Commissioner :
.....
.....

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Signature of the DC

ANNEXURE- B

**Format for land availability certificate for individual farmer for subsidy/
assistance under Arunachal Millet & Buckwheat Mission during 2025-26.**

**AGRICULTURE LAND AVAILABILITY CERTIFICATE
(For Individual farmer)**

Part -1

(To be filled up and signed by the applicant)

**This is to certify that the following farmer has applied/been selected for
“Arunachal Millet and Buckwheat Mission during 2025-26”.**

- ✓ Name of the farmer Applicant :
- ✓ Father” /Husband’s Name :
- ✓ Contact no. of applicant :
- ✓ Address of the applicant :
 - (i) Town/Village :
 - (ii). CD Block :
 - (iii). District :
- ✓ Bank account No. :
- ✓ Name of Scheme proposed :
- ✓ Enclosed any two of the following identity cards :
 - i. Aadhar card (Compulsory)
 - ii. PAN Card/Election card/ST certificate.

Signature of the Applicant

Name :
Place :
District :
Date :

Part-II

(Land verification by HGB/Panchayat members)

This is to certify that following Agriculture land belonging to the applicant been verified and found as below:

1. Name of Applicant :
2. Details of land verified
 - (i) Village :
 - (ii) Agricultural Land verified
 - Name of village :
 - Location of Land :

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Govt. of Arunachal Pradesh
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Total area verified :

Verified and signed by

(i) HGB/ GB
Sri/smty.-----

(ii) Chairperson Gram panchayat:

Shri/smty -----
Name of Gram Panchayat.

Part-III

(Verification by ADO/ AFA)

This is to certify that the Land certified above by HGB/GB/Chairperson GP has been verified and found correct.

Name and Signature of ADO /AFA -----

(AFA can also verify. Where there is no ADO Posted)

Part-IV

(To be certified by concerned Administrative Officer EAC/CO)

This is to certify that Sri/Smty-----son/ wife of-----
-----possess a land about -----Ha/ acre at village-----under
CD Block-----in District-----.....Arunachal Pradesh.

This certificate is valid for above mentioned scheme only and not valid for any other scheme or purpose.

Name and signature of EAC/CO :

Name of the Circle :

District :

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