



# **PERFORMANCE AGREEMENT**

**BETWEEN**

**NATIONAL CENTRE FOR ORGANIC AGRICULTURE  
YUSIPANG**

**AND**

**DEPARTMENT OF AGRICULTURE (DoA), MINISTRY OF  
AGRICULTURE AND FORESTS (MoAF)**

**(July 1, 2021 – June 30, 2022)**

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**Preamble**

The Performance Agreement is entered into between the National Centre for Organic Agriculture-Yusipang and Department of Agriculture (DoA), MoAF.

The objectives of this Performance Agreement are:

- a) To establish clarity and consensus about annual priorities for the Department of Agriculture consistent with the 12<sup>th</sup> Five Year Plan of the Ministry, and Government's other priorities;
- b) To provide an objective and fair basis for evaluating the overall performance of the National Centre for Organic Agriculture-Yusipang at the end of the financial year

The Performance Agreement represents an important accountability mechanism for inculcating a performance-based culture at all levels of government.

**THEREFORE**, the parties hereto agree as follows:

## **Section 1: Vision, Mission and Objectives Vision**

A self-reliant, resilient and sustainable agriculture food system.

### **Mission**

Achieve food and nutrition security, agricultural transformation through innovative and sustainable technologies, diversified and competitive economic/production options, inclusive and sustainable policies and programs.

### **Objectives**

- 1) To increase crop production for enhancing food self-sufficiency, income and nutrition security
- 2) To generate and promote climate-resilient agriculture technologies
- 3) To promote organic farming for sustainable agriculture, safe food, and environment conservation
- 4) To develop functional farm infrastructures and facilities (irrigation channel, farm roads, post-harvest facilities, etc.)
- 5) To promote agriculture enterprise development
- 6) To enhance effective and efficient delivery of agricultural services

## Section 2: Objectives, Success Indicators & Target

Objective	Action	Success Indicator	Unit	Weight	Excellent [100%]	Very Good [90%]	Good [80%]	Fair [70%]	Poor [60%]
To increase crop production for enhancing food self-sufficiency, income and nutrition security	Other cereal production enhanced	Quinoa Promotion	Acres	1	24	21.6	19.2	16.8	14.4
		Upscaling Quinoa production in the country	Mt	1	249.3	224.37	199.44	174.5	149.58
	Cereal production enhanced	Basic Seed Production of Paddy	Kg	3	500	450	400	350	300
	Horticulture Production Enhanced	Intensification of new potato varieties	Kg	2	17000	15300	13600	11900	10200
		Promotion of Late-blight resistant and nutrient-dense potato varieties	Kg	2.5	3000	2700	2400	2100	1800
		Promote commercial Vegetable production sites in the region	No.	3	2	1	0	0	0
		Basic Seed multiplication of newly released potato Varieties	Mt	2	6	5.4	4.8	4.2	3.6
		Promote Winter Vegetable Production	Acres	3	10	9	8	7	6
To enhance effective and efficient delivery of agricultural services	Awareness on improved agricultural technologies enhanced	Demonstration and basic seed maintenance of released potato varieties	No.	2.5	4	3	2	1	0
		Farmers' capacity development on potato production	No.	2	400	360	320	300	280
		Collection and establishment of MAP germplasm in the herb garden	No.	2	25	23	20	17	15
		Demonstration and maintenance of temperate fruit germplasm	No.	2	5	4	3	2	1
		Demonstrate and create awareness on organic/bio-fertilizer for organic soil fertility management including vermicomposting technology	No.	2	33	28	26	23	19
		Demonstration of different compost technologies	No.	1.5	3	2	1	0	0
		Demonstrate Bio-Pesticide and botanical extracts formulation for pest and diseases management	No.	2	23	21	18	16	14
		Establish floriculture and amenity landscape block in the center	No.	2	2	1	0	0	0
	Agriculture research conducted	Conduct study on vermi-compost technologies to assess different raw materials	No.	3	1	0	0	0	0
		Conduct Minimum tillage trial as part of soil fertility and nutrient management research	No.	2	1	0	0	0	0

		Evaluation of quinoa production technologies	No.	3	4	3	2	1	1
		Conduct trials on improved production and management practices of fruits and Nuts	No.	2	1	0	0	0	0
		Collection and Evaluation of indigenous vegetable varieties of beans and chilli	No.	3	2	1	0	0	0
		Evaluation of off-season vegetable	No.	2	5	4	3	2	1
		Yield gap analysis of apple in Bhutan	No.	1.5	1	0	0	0	0
		Evaluate efficacy of Bio-fertilizer on MAPs for nutrient management	No.	1.5	1	0	0	0	0
		Conduct floriculture and amenity landscape research on magnolia	No.	1	1	0	0	0	0
		Evaluate new potato varieties through multi-location trials at Yusipang, Khangma and Bumthang under organic and conventional management	No.	2	4	3	2	1	0
		Conduct multi-location trial on imported potato varieties from Nepal at Yusipang, Khangma and Bumthang	No.	2	4	3	2	1	0
		Evaluation of high-altitude rice technologies	No.	3	4	3	2	1	0
	Agriculture Technologies Generated	Release high yielding vegetable varieties through VRC/TRC	No.	3	1	0	0	0	0
		Develop Potato knowledge management product	No.	1.5	1	0	0	0	0
		Generate PoP for plant protection and nutrient management of soil	No.	2	1	0	0	0	0
	Enhanced adoption of agriculture technologies	Promote protected vegetable cultivation	Acres	2	1.5	1.35	1.2	1.05	0.9
		Promote T-Yangku cultivation technologies	Timeline	1	Feb, 22	Mar, 22	Apr, 22	May, 22	June, 22
		Promote MAP sustainable harvest package	Timeline	1.5	Sept, 21	Oct, 21	Nov, 21	Dec, 21	Jan, 21
To generate and promote climate resilient agriculture technologies	Climate smart technologies released and adopted	Evaluation of crops under Hydroponics system as climate resilient technologies	No.	2	4	3	2	1	0
To promote organic farming for sustainable agriculture, safe food, and environment conservation	Organic Agriculture Promoted	Area under organic agriculture	Acres	3	10080	9072	8064	7056	6048
		Area of land certified for organic agriculture production	Acres	2	5000	4500	4000	3500	3000

		Individuals, FGs and Coops registered under LOAS for production and marketing increased.	No.	2	1500	2700	2400	2100	1800
		Organic products certified for domestic market	No.	3	14	10	9	8	7
		Organic agriculture technologies generated, packaged and promoted	No.	2	2	1	0	0	0
		Stakeholders trained (individual, farmers group, cooperatives, enterprises) in-country	No.	2.5	100	90	80	70	60
		Timely monitoring and reporting of Flagship program	Timeline	2	27th of Every Month	28th of Every Month	29th of Every Month	30th of Every Month	31st of Every Month
To enhance effective and efficient delivery of agricultural services	Agriculture service delivery facilities established/improved	Construction of Training Hall cum Laboratory	Percentage	3	100	90	80	70	60
	Annual Report/Annual Highlight published/Strategies	Produce Gender Disaggregated report	No.	1	1	0	0	0	0
		Budget Utilization	Percent	2	95	90	85	80	75
		Dzongkhag Language Promotion	Timeline	1	May 21	Jun 21	Jul 21	Aug 21	Sep 21
		Published research articles in BJA, national or international Journals	No.	3	4	3	2	1	0
		Publish annual report of the Centre	Timeline	2	July 1st Week	July 2nd week	July 3rd week	July 4th Week	Aug 1st Week
<b>100</b>									

**Section 3: Trend values of success indicators**

Objective	Action	Success Indicator	Unit	Actual Values [FY 2018-19]	Target Values [FY 2019-20]	Projected Values [FY 2020-21]	Projected Values [FY 2021-22]	Projected Values [FY 2022-23]
To increase crop production for enhancing food self-sufficiency, income and nutrition security	Other cereal production enhanced	Quinoa Promotion	Acres	18	20	22	24	25
		Upscaling Quinoa production in the country	MT	64	126	188	249.3	311.03
	Cereal production enhanced	Basic seed production of paddy	Kg	600	400	500	500	500
		Intensification of new potato varieties	Kg	20000	8,000	1,000	17,000	18,000
		Promotion of late-blight resistant and nutrient-dense potato varieties	Kg	2000	2,000	2,000	3,000	4,000
		Promote commercial Vegetable production sites in the region	No.	0	0	5	2	0
		Basic seed multiplication of newly released potato varieties	MT	7	6	6	6	5
		Promote Winter Vegetable Production	Acres	0	0	10	10	10
To enhance effective and efficient delivery of agriculture services	Awareness on improved agriculture technologies enhanced	Demonstration and basic seed maintenance of released potato varieties	No.	2	2	1	1	1
		Farmers' capacity development on potato production	No.	0	300	400	200	300
		Collection and establishment of MAP germplasm in the herb garden	No.	20	24	5	25	26
		Demonstration and maintenance of temperate fruit germplasm	No.	11	0	0	5	0
		Demonstrate and create awareness on organic/bio-fertilizer for organic soil fertility management including vermicomposting technology	No.	0	0	4+5=9	33	33
		Demonstration of efficacy of different compost technologies	No.	0	0	0	3	0
		Demonstrate Bio-Pesticide and botanical extracts formulation for pest and diseases management	No.	0	0	9	23	23
		Established floriculture and amenity landscape block in the center	No.	0	0	0	1	0
	Agriculture research conducted	Conduct study on vermi-compost technologies to assess different raw materials	No.	0	0	1	1	2
		Conduct zero/minimum tillage trial as part of soil fertility and nutrient management research	No.	0	0	4	0	0
		Evaluation of quinoa production technologies	No.	4	3	4	4	3
		Conduct trials on improved production and management practices of fruits and Nuts	No.	0	0	1	1	0
		Collection and evaluation of indigenous vegetable varieties of beans and chilli	No.	1	1	1	1	0
		Evaluation of off-season vegetable	No.	0	0	0	5	5
		Yield gap analysis of apple in Bhutan	No.	0	0	0	1	0
		Evaluate efficacy of Bio-fertilizer on MAPs for nutrient management	No.	0	0	1	1	0
		Conduct floriculture and amenity landscape research on magnolia	No.	0	0	0	1	0



		Evaluation of new potato varieties through multi-location at Yusipang, Khangma and Bumthang	No.	0	4	2	4	0
		Conduct multi-location trial on imported potato varieties from Nepal at Yusipang, Khangma and Bumthang	No.	0	0	4	0	0
		Evaluation of high-altitude rice technologies	No.	4	4	4	4	3
	Agriculture Technologies Generated	Release high yielding vegetable varieties through VRC/TRC	No.	1	1	1	1	1
		Develop Potato knowledge management product	No.	1	1	1	1	1
		Generate PoP for plant protection and nutrient management of soil	No.	0	0	2	1	1
	Enhanced adoption of agriculture technologies	Promote protected vegetable cultivation	Acres	0	2	0	1.5	1.5
		Promote T-Yangku cultivation technologies	No.	0	1	1	1	0
		Promote MAP sustainable harvest package	No.	0	0	0	1	0
To generate and promote climate resilient agriculture technologies	Climate smart technologies released and adopted	Evaluation of crop under Hydroponic system as climate resilient technologies	No.	0	0	0	1	1
To promote organic farming for sustainable agriculture, safe food and environment conservation	Organic Agriculture Promoted	Area under organic agriculture	Acres	2	8146.2	7060	10080	13728
		Area of land certified for organic agriculture production	Acres	2	2344.97	3000(655.39)	5000	9666
		Individuals, FGs and Coops registered under LOAS for production and marketing increased	No.	2	505	1000	1500	2782
		Organic products certified for domestic market	No.	2	0	12	14	16
		Organic agriculture technologies generated, packaged and promoted	No.	2	0	1	2	3
		Stakeholders trained (individual, farmers group, cooperatives, enterprises) in-country	No.	1	68	100	200	300
		Timely monitoring and reporting of Flagship program	Timeline	1.5	27th of Every Month	27th of Every Month	27th of Every Month	27th of Every Month
To enhance effective and efficient delivery of agricultural services	Agriculture service delivery facilities established/improved	Construction of Training Hall cum Laboratory	Percent	2	NA	June, 2020	NA	NA
	Annual Report/Annual Highlight published/Strategies	Gender Disaggregated data	No.	1	1	1	1	1
		Budget Utilization	Percent	>95%	>95%	>95%	>95%	>95%
		Dzongkhag Language Promotion	No.	1	1	1	1	1
		Published research articles in BJA, national or international Journals	No.	0	0	3	3	3
		Publish annual report of the Centre	Timeline	1	1	1	1	1

#### Section 4: Definition of Success Indicators

Success Indicator	Description	Data Collection Methodology	Data Collection Frequency	Data Source
Quinoa Promotion	This SI measures the area under quinoa promoted by NCOA Yusipang, Bajo, Wengkhar & Samteling in collaboration with highland Dzongkhags	Report submitted by ARDCs (, Bajo, Wengkhar) & NCOA-Yusipang	Half Yearly	Quinoa Commodity Highlights
Upscaling Quinoa production in the country	This SI measures the Quantity of Quinoa Produced and Reported in Annual Agriculture statistics by National Quinoa Coordinator	Annual Agriculture Statistics	Annual	Agriculture Statistics
Basic seed production of paddy	This SI measures the quantity of basic seed of high-altitude rice varieties produced by NCOA for variety maintenance and to supply to NSC for multiplication	Field report	Annual	Annual Report
Intensification of new potato varieties	The SI measures quantity of seed supplied for promotion of new potato varieties (Yusimaap) through seeds support.	Field report	Annually	Annual Report
Promotion of late-blight resistant and nutrient-dense potato varieties	The SI measures the promotion of late blight resistant potato varieties (Yusimaap and NKK) in late blight affected areas.	Field report	Annual	Annual Report
Promote commercial Vegetable production sites in the region	This SI measures the locations where commercial Vegetable production is promoted in the region	Field report	Annual	Annual Report
Basic Seed multiplication of newly released potato Varieties	The SI measures the production of 6 MT of newly released cultivars through demonstration and seed village approach in potato growing Dzongkhags.	Field report	Annual	Annual Report
Promote Winter Vegetable Production	This SI measures the area brought under commercial winter vegetable production through seeds, seedlings and input support with technical guidance to Dzongkhags for Potential Crops	Field report	Annual	Annual Report
Demonstration and basic seed maintenance of released potato varieties	The SI measures the demonstration trials and basic seed maintenance of 4 released varieties (Yusi Maap, NKK, Khangma Kaap, Desiree)	Field report	Annual	Annual Report
Farmers' capacity development on potato production	The SI measures the number by which 400 farmers will be trained on improved package of practices on potato production to support DOA's target of 61,780 MT	Field report	Annual	Annual Report
Collection and establishment of MAP germplasm in the herb garden	The SI measure the collection of 5 new herbs or medicinal plants and maintained in the herb garden (No Budget)	Field report	Annual	Annual Report
Demonstration and maintenance of temperate fruit germplasm	The SI measures the number of varieties add to the exiting germplasm collection	Field report	Annual	Horticulture Program, Yusipang
Demonstrate and create awareness on organic/bio-fertilizer for organic soil fertility management including vermicomposting technology	This SI measure the numbers of demonstration and awareness on organic/bio-fertilizer for organic soil fertility management including vermicomposting technology in NOFP sites	Field report	Semi-Annually	Field Reports and Annual reports
Demonstration of different compost technologies	The SI measures the number of demonstrations on different composting technology	Field report	Semi-Annually	Field Reports and Annual reports
Demonstrate Bio-Pesticide and botanical extracts formulation for pest and diseases management	This SI measure the number of households covered for demonstration of Bio-Pesticide and botanical extracts for pest and diseases management in two sites.	Field report	Semi-Annually	Field Reports and Annual reports
Established floriculture and amenity landscape block in the center	The SI measure the number of floriculture block established on station	Field report	Annual	Annual Report
Conduct study on vermi compost technologies to assess different raw materials	This SI Measure the trial established on vermicomposting assessing 4 different types of raw materials.	Field report	Semi-Annually	Field Reports and Annual reports

Conduct Minimum tillage trial as part of soil fertility and nutrient management research	This SI Measure the long-term minimum tillage trial with different treatments established at NCOA.	Field report	Semi-Annually	Field Reports and Annual reports
Evaluation of quinoa production technologies	The SI measures the 4 diff. trials undertaken to evaluate different quinoa production technologies.	Field report	Annual	Annual Report
Conduct trials on improved production and management practices of fruits and Nuts	The SI measures the number of trials established on improved production and management practices on fruits and nuts	Field report	Annual	Horticulture Program, Yusipang
Collection and Evaluation of indigenous vegetable varieties of beans and chilli	This SI measures the numbers of indigenous crops for which indigenous varieties are collected and evaluated	Field report	Annual	Horticulture Program, Yusipang
Evaluation of off-season vegetable	The SI measures the number of vegetable varieties evaluation initiated during off season on on-station in double layer poly-house.	Field report	Annual	Horticulture Program, Yusipang
Yield gap analysis of apple in Bhutan	The SI measure the survey undertaken on yield gap analysis of apple.	Field report	Annual	Horticulture Program, Yusipang
Evaluate efficacy of Bio-fertilizer on MAPs for nutrient management	The SI measures the trial established to study efficacy of organic manure for nutrient management on MAPs	Field report and annual report	Annual	Horticulture Program, Yusipang
Conduct floriculture and amenity landscape research on magnolia	The SI measure the research undertaken on the propagation method on Magnolia	Field report and annual report	Annual	Horticulture Program, Yusipang
Evaluate new potato varieties through multi-location trials at Yusipang, Khangma and Bumthang under organic and conventional management	The SI measures the 4 multilocation trials established for selection of heat and drought tolerant potato germplasm under organic and conventional management	Field report	Annual	Annual Report
Conduct multi-location trial on imported potato varieties from Nepal at Yusipang, Khangma and Bumthang	The SI measures 4 observation trials completed and reported by timeline	Field report	Annual	Annual Report
Evaluation of high-altitude rice technologies	The SI measures the number of different trials established to evaluate high altitude rice technologies	Field report	Annual	Annual Report
Release high yielding vegetable varieties through VRC/TRC	This SI measures the number of release proposal submitted to VRC	Field report	Annual	Horticulture Program, Yusipang, VRC
Develop Potato knowledge management product	The SI measures the number of POP on potato production produced as extension material.	Poster/brochure	Annual	Annual Report
Generate PoP for plant protection and nutrient management of soil	This SI Measure the numbers of POP generated for plant protection and nutrient management	Field report	Semi-Annually	Field Reports and Annual reports
Promote protected vegetable cultivation	The SI measures the area brought under protected vegetable cultivation through supply of fabricated poly houses, low-cost shelters, seeds, seedling, training and demonstration	Field report	Annual	Horticulture Program, Yusipang
Promote T-Yangku cultivation technologies	The SI measure the timeline by which T-Yangku cultivation technology is promoted.	Field report	Annual	Horticulture Program, Yusipang
Promote MAP sustainable harvest package	The SI measures the timeline by which training of farmers on sustainable harvest package is conducted	Field report	Annual	Horticulture Program, Yusipang
Evaluation of crops under Hydroponics system as climate resilient technologies	This SI Measure the crops evaluated under Hydroponic system as climate resilient technology	Field report	Annual	Horticulture Program, Yusipang
Area under organic agriculture	This SI measures the cumulative total land registered with NCOA for organic production.	Progress report	Monthly/Quarterly	Annual Report, Admin. Data.
Area of land certified for organic agriculture production	This SI measures the cumulative total registered land monitored and inspected for LOAS and third-party certification.	Progress report, Field report	Monthly/Quarterly	Annual Report, Admin. Data.
Individuals, FGs and Coops registered under LOAS for production and marketing increased.	This SI measures the cumulative numbers of organic operators engaged in value chain.	Progress report, Field report,	Monthly/Quarterly	Annual Report, Admin. Data.
Organic products certified for domestic market	This SI measures the cumulative total number of products certified under LOAS for domestic market.	Progress report, Field report,	Monthly/Quarterly	Annual Report, Admin. Data.

Organic agriculture technologies generated, packaged and promoted	The SI measures the timeline by which organic solutions is packaged and promoted by NCOA.	Progress report, Field report,	Monthly/Quarterly	Annual Report, Admin. Data.
Stakeholders trained (individual, farmers group, cooperatives, enterprises) in-country	This SI measures the total number of farmers, FG/Cooperatives and other stakeholders trained on organic farming and management.	Progress report, Field report,	Monthly/Quarterly	Annual Report, Admin. Data.
Timely monitoring and reporting of Flagship program	This SI measures the timely submission of Monthly Flagship implementation reports & end year report to the NOFP-CU	Office Records	Monthly	Admin Data
Construction of Training Hall cum Laboratory	This SI measures of the percentage the expenditure and physical progress made on construction of training hall & laboratory.	Progress report, Field report,	Monthly/Quarterly	Admin. Data.
Produce Gender Disaggregated report	The SI measures the report on the gender disaggregated data for FSAPP, GEF and RMS project activities	Field report	Annual	Annual Report
Budget Utilization	The SI measure the percent of budget utilization by the end of FY	Accounts Statement/Exp. Statement	Biannual	EPEMS
Dzongkhag Language Promotion	The SI measure timeline of different activates conducted on the Dzongkhag National Language Promotion in the center	Field report	Annual	Annual Report
Published research articles in BJA, national or international Journals	The SI measures the numbers of technical papers published in BJA, national or international journals	Report	Annually	BJA
Publish annual report of the Centre	The SI measures the timeline by which Annual Report is Published	Sectors Report	Annually	Published Annual Report

**Section 5: Requirements from other Departments & Secretariat Divisions**

Organization Name	Success Indicator	Requirement from the Organization	Justification for the Requirement	Requirement detail	Impact (If Not Met)
Dzongkhags and other ARDCs	Quinoa Promotion	Data on the area of quinoa cultivation in Highland Agriculture Promotion	M & E, and progress reporting	Data collection, mentoring, technical guidance to growers, and seed supplied	Target will not be achieved.
ARDC Bajo, Samtenling, Wengkharr, FML, and Agriculture Sector of 20 Dzongkhags	Upscaling Quinoa production in the country	Implementation support, identification of area and farmers, production data	For promotion of quinoa in their regional mandate Dzongkhags	Identification of area, farmers, seed supply, implementation, monitoring & reporting, timely production data.	APA target will not be achieved
Dzongkhags/Gewogs	Promotion of late-blight resistant and nutrient-dense potato varieties	Seed distribution and beneficiary list from the Dzongkhags (Involvement of DAOs and Extension Agents)	Relevant gewogs selection based on production potential	Leasing with local government officials and farmers	Insufficient late blight and nutrient dense potato varieties for growers
	Promote commercial Vegetable production sites in the region	Implementation support, identification of area, mobilization of farmers and data	For promotion of vegetables production commercially in west regions	identification of area, farmers, seed supply, implementation, monitoring and reporting.	Not achieved
	Seed multiplication of newly released potato varieties	Identification of potential households in Dzongkhags, gewogs and liaise with farmers. Seed distribution, monitoring and production assessment	NPP is a national Programme and support from local government is essential for implementation	Participation of farmers, extension and tshogpas, gups and relevant officials	Unavailability of new varieties will hamper the production target of DoA (61,780 MT)
Dzongkhag and Gewogs	Promote Winter Vegetable Production	Implementation support, identification of area, mobilization of farmers and data	For promotion of vegetables production commercially in west regions	Identification of area, farmers, seed supply, implementation, monitoring and reporting.	Not achieved
Relevant Dzongkhags/geogs	Farmers' capacity development on potato production	Nomination of farmers for training to increase their production skills. Coordinate with local government for implementation.	Our stakeholders are farmers and they are based in relevant dzongkhags and gewogs	Nomination, coordination and support for implementation	New production skills will not be updated and will affect DoA's production target of 61,780 MT
Dzongkhags and NSSC	Demonstrate and create awareness on organic/bio-fertilizer for organic soil fertility management including vermicomposting technology	Technical staffs	Need technical guidance and support	Formulation expertise on Bio-Fertilizer and other guidance.	Not achieved
NPPC & Dzongkhags	Demonstration of different compost technologies	Technical staffs	Need technical guidance and support	Formulation expertise on Bio-pesticide and other guidance.	Not achieved
Dzongkhag/ Gewogs	Demonstrate Bio-Pesticide and botanical extracts formulation for pest and diseases management	Nomination of farmers for training to increase their production skills. Coordinate with local government for implementation.	Need technical guidance and support	Formulation expertise on Bio-pesticide and other guidance.	Not achieved
NSSC	Conduct study on vermi compost technologies to assess different raw materials	Technical staffs	Need technical guidance and support	construction details and estimates of worm bins. M&E and data collection and analysis	Not achieved
NSSC	Conduct Minimum tillage trial as part of soil fertility and nutrient management research	Technical staffs	Need technical guidance and support	construction details and estimates of worm bins. M&E and data collection and analysis	Not achieved
Dzongkhags/Gewogs	Collection and evaluate indigenous vegetable varieties	Need collaboration of DAOs or EAs in identifying the pure seeds of the indigenous beans and chilli varieties as well as for initiating on-farm trials.	Support from the Dzongkhag agriculture team is deemed necessary for successful implementation of the activity.	Collaboration and cooperation required from the dzongkhag	Production of local seeds to suit the organic production sites will be challenged.

HAA, Paro & Thimphu	Yield gap analysis of apple in Bhutan	support for field implementation	Identification of farmers to carry out the data collection	data, farmers and location	not achieved
Dzongkhags/Gewogs, NSC-Bumthang/ ARDSC- Khangma	Evaluate new potato varieties through multi-location trials at Yusipang, Khangma and Bumthang under organic and conventional management	Provide land and other resources as NPP does not have land in Bumthang and Khangma	NPP does not have land in Bumthang and Khangma	Land, Machinery, labour contribution	It will hinder the process of new variety generation
	Conduct multi-location on imported potato varieties from Nepal at Yusipang, Khangma and Bumthang	Provide land and other resources as NPP does not have land in Bumthang and Khangma and Chapcha	NPP does not have land in Bumthang, Khangma and Chapcha	Land, Machinery, labour contribution	It will hinder the process of new variety generation
NSSC, NBC	Evaluation of high-altitude rice technologies	collaboration in implementing the trial	It is NCT trial	Data collection, monitoring, technical guidance	Target will not be achieved.
Dzongkhags	Promote protected vegetable cultivation	Implementation support, identification of area, mobilization of farmers and data	For promotion of vegetables production commercially in west regions	identification of area, farmers, seed supply, implementation, monitoring and reporting.	Not achieved
HAA Dzongkhag	Promote T-Yangku cultivation technologies	support for field implementation	Identification of farmers or growers and data source	data, farmers and location	not achieved
All dzongkhags and ARDCs	Area under organic agriculture	Facilitate implementation including registration and certification, Progress reporting	Regionalization of NOFP activities led by ARDCs.	Facilitate the implementation, registration, monitoring, data collection, inspection, Data on area, household registered	Target will not be achieved.
All dzongkhags and ARDCs	Area of land certified for organic agriculture production	Facilitate implementation including certification, Progress reporting	Regionalization of NOFP activities led by ARDCs.	Facilitate the implementation, support the certification processes, monitoring, data collection, inspection, Data on area, household registered	Target will not be achieved.
All dzongkhags and ARDCs	Individuals, FGs and Coops registered under LOAS for production and marketing increased.	Facilitate implementation including registration and certification, Progress reporting	Regionalization of NOFP activities led by ARDCs.	Facilitate the implementation, registration, monitoring, data collection, inspection, Data on area, household registered	Target will not be achieved.
All dzongkhags and ARDCs	Organic products certified for domestic market	Facilitate implementation including certification, Progress reporting	Regionalization of NOFP activities led by Arcs.	Facilitate the implementation, support the certification processes, monitoring, data collection, inspection.	Target will not be achieved.
All dzongkhags and ARDCs	Stakeholders trained (individual, farmers group, cooperatives, enterprises) in-country	Facilitate the mobilization of the participants including logistics	Regionalization of NOFP activities led by ARDCs.	Mobilization of participants, logistics and resource.	Target will not be achieved.
4 dzongkhags	Timely monitoring and reporting of Flagship program	M & E, and progress reporting	The budget has been directly given to the dzongkhags from NOFP-CU	consolidated compiled reports	Target will not be achieved.
AED, DoA	Construction of Training Hall cum Laboratory	Technical support for implementation	AED provides the engineering services, M & E		Target will not be achieved.

**Whereas,**

I, Program Director, National Centre for Organic Agriculture (NCOA)-Yusipang, commit to the Director, Department of Agriculture (DoA), MoAF to deliver the results described in this Annual Performance Agreement.

We, Department of Agriculture, MoAF commit to the Program Director National Centre for Organic Agriculture (NCOA)-Yusipang to provide necessary support for the delivery of the results described in this Annual Performance Agreement.

**SIGNED:**

\_\_\_\_\_  
**DIRECTOR, DoA**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Wangda Dukpa**  
**CHIEF, ARED**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Tirtha Bdr. Katwal**  
**PROGRAM DIRECTOR**  
**NCOA-Yusipang**

\_\_\_\_\_  
**Date**