

Annual Report

(FY 2075/076 BS)



Government of Nepal
Ministry of Agriculture and Livestock Development
Department of Livestock Services
National Livestock Resource Management and Promotion Office
Cattle Genetic Resource Center

Jiri, Dolakha

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Taking measurements of Ryegrass



Chaffing grasses

Annual Report

(FY 2075/076 BS)

Achievements & Constraints Compared to FY 2074/075

- Total milk production increased by 34%
- Number of milking cows increased by 37.14%
- Productivity of cow increased by 14.14%
- Average milk production by the highest milking cows increased by 37.22%
- Age at first calving reduced to 11.07%
- Calving interval reduced to 21.34%
- Revenue increased by 37.47%
- Budget allocation reduced by 20.32 %

Prepared by

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Livestock Development Officer



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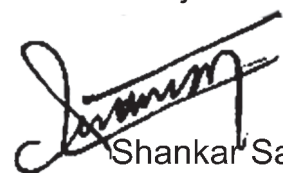
Preface

Livestock farming is an integral part of the Nepalese farming system which is supposed to be the backbone of the rural economy. Livestock is raised for income generation, social security, agricultural operations, and religious sentiments. The increasing demand for livestock products due to the increasing population as a result of better road linkage and transportation facilities has triggered initiation of commercialization process leading to increased production of milk, meat and their products. Feeding, breeding, health management, and market access are factors that are important for increasing livestock production and productivity. The farmers can manage all these inputs and services after receiving training and required inputs in an appropriate time frame.

The Cattle Genetic Resource Center Jiri is the genetic resource center of Jersey cattle with higher genetic values. Animal feed is one of the important components for increasing the productivity of livestock. In addition, the use of forages as animal feed reduces the cost of production of livestock products and makes farming more profitable. The center has been producing and distributing calves, piglets and forage seeds of Ryegrass (*Lolium perenne*) and Paspalum (*Paspalum dilatatum*) suitable for alpine areas such as Jiri.

The major activities performed by the center during the FY 2075/076 BS have been presented in this report and it has been expected to be useful for all those who are interested in livestock farming. I would like to apologize for the unintentional lacuna and mistakes in this report and expect to receive feedback for its improvement.

I would like to express special thanks to Mr. Shyam S. Yadav (Livestock Development Officer) for his endeavor to prepare the report in this form. Similarly, I express my sincere appreciation to Mr. Tek Narayan Paudel (Livestock Technician), Mr. Amar Bahadur Oli, (Livestock Technician), Mr. Ram Krishna Bhandari (Assistant Livestock Technician), Mr. Bal Kumar Dahal, (Assistant Livestock Technician) for their consistent effort on data compilation. I would like to thank all the office assistants for their hard work and co-operation for bringing this center to this shape and achieving the center's objectives.



Shankar Sah
Senior Livestock Development Officer

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Abbreviations

%	:	Per cent
±	:	Standard Deviation
Act.	:	Acting
AD	:	anno domini
AI	:	Artificial Insemination
BS	:	<i>Bikram Sambat</i>
CGRC	:	Cattle Genetic Resource Center
CLDP	:	Co-ordinated Livestock Development Program
CRU	:	Cattle Resource Unit
D	:	Duroc
DLSO	:	District Livestock Services Office
Freq.	:	Frequency
FY	:	Fiscal Year
Hec	:	Hectare
JMDP	:	Jiri Multiple Development Project
km	:	Kilometer
L	:	Landrace
LDF	:	Livestock Development Farm
Liv. Dev.	:	Livestock Development
masl	:	the meter above sea level
Mt	:	Mount
mt	:	metric ton
NARC	:	Nepal Agricultural Research Council
No.	:	Number
NRs	:	Nepalese Rupees
PARMU	:	Pasture and Rangeland Management Unit
SN	:	Serial Number
SNF	:	Solid Not Fat
ToR	:	Terms of reference
VDC	:	Village Development Committee
Y	:	Yorkshire

Introduction

The Jiri valley, known as Nepal's Switzerland and the gateway to Mt Everest, a small town having around 16,000 population is situated in the Dolakha district that is surrounded by Maali (Batase), Buldada, Cherdung and Tame hills from east, west, north, and south, respectively. It lies in the central part of the district and 55 km away from the district headquarters, Charikot as well as 188 km from the capital city of the country, Kathmandu.

The Cattle Genetic Resource Centre (CGRC) previously known as Livestock Development Farm is situated in the heart of the panoramic Jiri valley. The periphery of the center associates toward numbers four, five and six of the Jiri municipality. It has about 209 Hec of land consisting of 84 in Jiri and 125 in Khimtee, Gokulganga rural municipality (Table 1). It is situated at an altitude of 1935 masl and located between the latitude of 27°38' north and longitude of 84°14' east.

The climate here is mild and generally warm and temperate. In winter, there is much less rainfall than in summer. The climate here is classified as Cwb by the Köppen-Geiger system. In Jiri, the average annual temperature is 14.3°C. Precipitation averages 2142 mm. Between the driest and wettest months, the difference in precipitation is 573 mm (Table 2).

Historical background

The small valley of Jirels (Sherpa community) was in a tough living condition at the base of Mt Everest. A Swiss Geologist, locally considered as the first known arrival of a foreigner in Jiri, Dr. Toni Hagen came to Jiri via the road of Khadichaur in order to visit mountain base camp. During his trip, he stayed in a local house of the farmer where he found very warm hospitality behind poverty. His heartfelt behold of the farmers' poverty. He observed the occupation of people and realized the primitive ways of agriculture and livestock farming. He found this place similar to the Zurich city of Switzerland so he tried to establish a livestock farm in Jiri in order to upgrade the lifestyle of the local farmers. It is said that he took further initiation to establish the livestock farm.

The farm was established in the FY 2014/015 BS as the LDF Jiri under the financial and technical assistance of the Swiss government. It was later renamed as Jiri Agriculture Station. In the year 2018 BS the Agronomy, as well as the Horticulture Sections, was also included in this station. In order to extend the livestock farms activities intensively, a Cattle Breeding Section at Khimtee, Lahare VDC of Ramechhap district was established in the fiscal year 2019/020 BS. The late king Mahendra Bir Bikram Shah Dev inaugurated this Jiri Agriculture Station on Magh 23, 2020 BS.

Prior to the establishment of the farm, it was being used as the government's pastureland. On those days, the entire area of the farm was swampy. Latter on the Swiss technical experts improved and converted the area into cultivated land by constructing an open and underground drainage canal to run off the water. Possibly, these are the one and only sub-surface drainage system in Nepal.

Jiri River divides this center into two portions resulting in the eastern and the western mass.

Almost all the infrastructure lies in the eastern mass. However, the western mass contains most of the pasture land.

In the year 2024 BS, a veterinary unit was also established here in order to provide animal health services in this region. Later, in the FY 2026/027 BS, this unit was converted into Veterinary Hospital.

As these institutions were under different ministries, it was difficult to coordinate alone by Jiri Agriculture Station. Hence, to bring all the institutions under one umbrella, Jiri Multiple Development Project (JM DP) was established. It was guided by a board at apex bodies. The representatives of all the line ministries used to be the members of this board. Thinking the practical difficulties in coordinating all the line agencies then government in FY 2028/029 BS, decided to set all the components of the project independently who thereafter, had to be responsible to their respective ministries. After this decision, the chief of the Jiri Agriculture Station used to be the Chief Officer.

During the FY 2029/030 BS, the crop development component under the station was shifted to Kabhre VDC as an agricultural farm. After that, the Co-ordinated Livestock Development Program (CLDP) of Dolakha and Ramechhap districts was also established here in the FY 2037/038 BS. Again, the horticulture component of the station was shifted to Boch of Dolakha district in the FY 2042/043 BS. In the same way, the Veterinary Hospital of Dolakha district was sifted to Charikot and CLDP of Ramechhap to its district headquarters. Thus, all the sections of Jiri Agricultural Station were made independent in the FY 2042/043 BS and only LDF remained at Jiri and its branch under this at Khimtee.

Almost all infrastructures and buildings (26 out of 29); cattle shed, pig shed, hay store, office building, staff quarters were destroyed by the destructive earthquake in 2072 BS. Some of them have been waiting for renovation and new construction, and some of them are under construction. From past to reporting date about more than two and half dozen of the chiefs worked for this center (Table 3)

The government renamed the LDF as Cattle Genetic Resource Center (CGRC) Jiri from Asadh, 2075 BS with new terms of reference (ToR).

Objectives and Terms of Reference (ToR) of the center

The center lies under the central government of Nepal to conserve, promote, utilize and improve the cattle genetically at the national level in the country. In addition, it has the mandate of adapting and transferring of improved technologies related to cattle development to increase productivity. The center has the following objectives and ToR;

Objectives

- Develop, expand and manage the cattle nucleus herds at the national level.
- Develop, adapt and transfer the latest appropriate technologies developed at a national

and international level related to cattle development.

- Adapt and transfer forage and pasture development related technologies for the alpine area.
- Conserve, promote and utilize the genetic resource of the cattle.

Terms of Reference (ToR)

- Establish and manage the nucleus and multiplier herds of cows nationally.
- Developing Bull-Mother by choosing pure breed/best cattle.
- Maintaining the purity of different breeds of cows.
- Develop and expand technologies that enhance cattle productivity.
- Improving breeds through certified bulls, proven sire by producing high-quality cows and bulls through embryo production and transplantation.
- Develop and expand the Test and Proven bulls through the latest developed technologies of animal breeding, including progeny testing.
- Conduct outreach resource development programs using the latest cattle development techniques.
- Supporting the management of genetic biodiversity at the national level by conserving, promoting and utilizing in-situ and ex-situ cows of local breeds.
- Collaborate with the Nepal Agricultural Research Council (NARC), Universities and national as well as international institutions, research stations for expanding technology related to cattle development.
- Cooperate with the local and regional level in coordination with National Livestock Resource Management and Promotion Office on issues related to cattle development.
- Conduct programs including on-site behavioral training and seminars for capacity enhancement in various aspects of dairy farming at the national level.
- Perform the recording, statistical analysis and publishing activities of the cattle.
- Follow and expand the latest animal feed technologies at the national level.
- Developing and expanding varieties of warm and humid grasses.
- Manage herds of exotic breeds of pig regularly at the center.

Major components

There are three major components of the center; Cattle Resource Unit, Pasture and Rangeland Management and financial as well as an administrative unit. In addition, a nucleus herd of exotic breeds of pig has been maintained.

Cattle Resource Unit (CRU)

It is one of the major research and production center for Jersey cattle. It was earlier Brown Swiss cattle farm and later the farm introduced Jersey nucleus herd from the FY 2057/058 BS. The crossbred breeding bulls were distributed through the different District Livestock Service Offices (DLSOs) to the farmers in dairy cattle pocket areas. Those bulls were used for genetic improvement of the cattle



through natural breeding in the areas where AI service was not available. The female calves were kept as a replacement stock and the males were used as breeding bulls.

Stock details and mortality

The regular health inspection, drenching, vaccination were administrated to the cows during the FY 2075/076. In addition, serum, blood collection and examination, teat dipping of cows were also done for checking health conditions as well to prevent the possible health hazards. Special attention was paid to the highest-risk cows, including frequent observation of animals during the periparturient period.

During the FY 2075/076, on average, about 102 cattle were reared at the center ranging from 79 to 122. Out of these large males ranging from two to three and female 57 to 75. Similarly, the number of small males and females ranging from one to twenty-five and 17 to 55 (Table 4) respectively. During the FY 2075/76, altogether 33 (two aborted) cows had given birth to their calves. Some of them were kept for replacement of stock especially female and remaining was auctioned; 13 cows, 5 heifers and 24 he-calves in Mangsir 2075.

During the last FY, ten cattle died, out of these ones from the cows (1.33%) and remaining were from the small group; male and female calves 6.54 and 5.05 percent respectively. The average calves' mortality was recorded 29.03 percent in FY 2075/76 (Table 6). The average mortality of the cattle at the center was recorded by 3.67% (Table 5). During the rainy season there was higher mortality of the calves.

The center has been providing AI service to the cows. During the last FY, about 175 cows were inseminated artificially (Table 7). The center has also breeding bulls at Jiri as well as at Khimtee. The bulls had served to 79 cows (Jiri 19 and Khimtee 60). Similarly, the center has also a younger buffalo-bull that replaced the old one.

Milk production at the center

The monthly average milk production was 198.8 ± 43.9 liter, $n = 465$, ranging from 132.9 to 258.4 liter (Table 8). Similarly, the daily milk production from the highest yielder cows was recorded

17.7 ranging from 12.0 to 17.7 liter. There was lower milk production in Bhadra to Paush thereafter it was increased up to Jestha. (Figure 2). In total, about 34% of increment was found in milk production in FY 2075/76 compared to FY 2074/75.

During FY 2075/076, the number of milking cows increased by 37.14 % from 45.05 % to 61.78 % compared to FY 2074/75. On average out of 62.8 (Table 4) large female stocks, about 38.8 (61.78%) cows (Table 8) were at milking stage in FY 2075/076 while it was only 34.42 (45.05%) out of 76.4 in FY 2074.075.

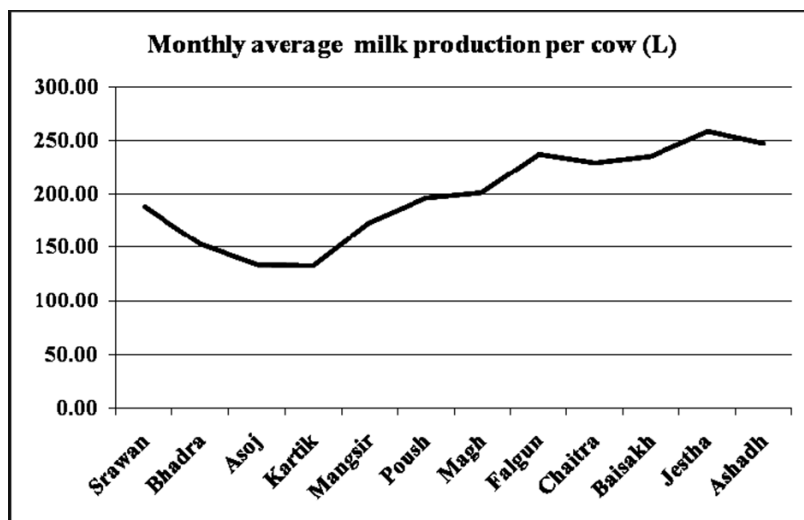


Figure 2 Monthly average milk production

Technical parameters of the cow

Data of the last FY was analyzed to get technical parameters which include age at first calving and calving interval. The data shows the average age at first calving was recorded 32.21 ± 9.64 , month ($n = 9$), which was lower (11.07%) compared to the FY 2074/75 (36.22 ± 9.38 , $n = 12$) months (Table 9). Similarly, the maximum and minimum age at first calving were 45.20 and 19.30 respectively (Table 9).

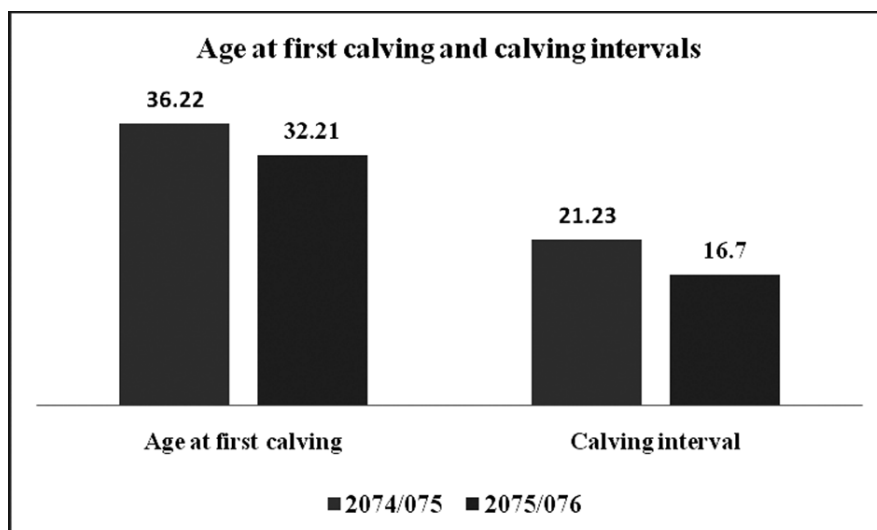


Figure 3 Age at first calving and calving intervals

The average calving interval was recorded 16.70 ± 3.46 months, $n = 24$ (Table 10), which was lower (21.34%) compared to the FY 2074/75 (21.23 ± 6.28 , $n = 24$) months. Similarly, the maximum and minimum calving intervals were recorded 26.50 and 12.60 respectively (Table 10).

Milk analysis at the center

The Ultrasonic Milk Analyzer was used to analyze the milk of the cows at the center. About 226 milk samples were collected and analyzed. The average fat ($4.28 \pm 0.84\%$), SNF ($9.72 \pm 0.44\%$), protein ($3.53 \pm 0.16\%$), lactose ($5.32 \pm 0.24\%$) and salt ($0.75 \pm 0.05\%$) followed by pH (6.59 ± 0.02) were found.

Cattle outreach program

The center has been launching outreach programs in Dolakha and Ramechhap districts. In FY 2074/75 altogether 75 cows were distributed in the outreach areas in partial grant with supporting activities; cow rearing training, distribution of forage seeds and saplings of annual as well as perennial grasses, drenching, vaccination, insurance of the cows, visit and tour of the farmers including some extent of supports in improvement of cowshed. The support was continued in FY 2075/76 in terms of drenching, vaccination as well as providing training and seeds and saplings of forage and fodder trees.

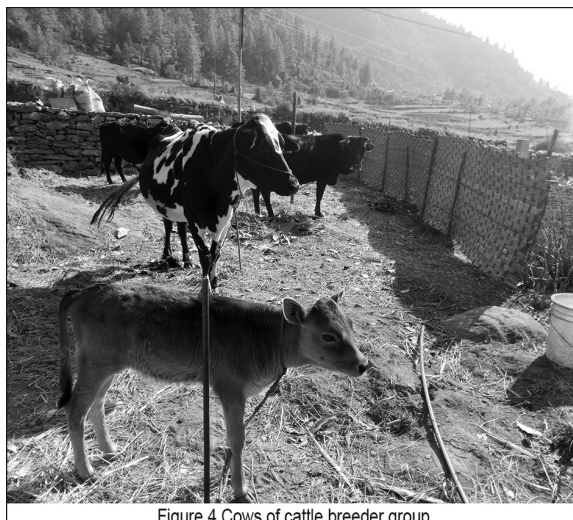


Figure 4 Cows of cattle breeder group

A. Hariyali Dhaule Cattle Breeder Group, Gokulganga-1, Garjyang, Ramechhap

The group was formed on 2073/06/11 BS with 25 members. Out of these male and female members are 13 and 12 respectively. In the FY 2073/74 partial grant was made for buying and distributing of the 25 milking Jersey cow and its crossbreds to the farmers with the supporting activities. Two cows died after a few months in FY 2074/75. In addition, one cow died in FY 2075/76. In the last FY 2075/76, a follow-up program was conducted with some activities; distribution of forage seeds and sapling of annual and perennial grasses including saplings of fodder, drenching, and vaccination, etc. The group had total NRs 1,20,000.00 saving fund in FY 2075/76.

B. Seti Devi Cattle Breeder Group, Dhunge, Jiri, Dolakha

The group was formed on 2074/04/10 BS with 25 members. Out of these male and female members are 10 and 15 respectively. In FY 2074/75 partial grant was made in the process of buying and distribution of the 25 milking Jersey cow and its crossbreds to the farmers with the supporting activities; distribution of forage seeds and fodder saplings, drenching, vaccination, etc. One cow died after a few months of distribution and another was sold due to anoestrous problem. In the last FY 2075/76, follow-up program was conducted with some activities; distribution of forage seeds and sapling of annual and perennial grasses including saplings of fodder, drenching, and vaccination, etc. The group had NRs 55000.00 saving funds in FY 2075/76. The fund has been mobilizing within the group member at the rate of 18% of interest annually.

C. Mathillo Sikri Tatha Chepte Cattle Breeder Group, Sikri, Jiri 6 and 7, Dolakha

The group was formed in the FY 2074/75 with 25 members. Out of these male and female members are 20 and 5 respectively. In FY 2074/75 partial grant was made in the process of buying and distribution of 25 milking Jersey cow and its crossbreds to the farmers with the supporting activities; distribution of forage seeds and fodder saplings, drenching, vaccination,

etc. The supporting activities were also continued to the FY 2075/76. A cow died in FY 2075/76. The group had NRs 42500.00 saving funds in FY 2075/76. The fund has been mobilizing within the group member at the rate of 18% annually.

D. Jireswory Cattle Breeder Group, Kune, Jiri -4, Dolakha

The group was formed in the FY 2074/75 with 25 members. Out of these male and female members are 7 and 18 respectively. In FY 2074/75 partial grant was made in the process of buying and distribution of 25 milking Jersey cow and its crossbreds to the farmers with the supporting activities; distribution of forage seeds and fodder saplings, drenching, vaccination, etc. These supporting activities were continued to the FY 2075/76. Two cows died after a few months of distribution in FY 2074/75. The group had NRs 15000.00 saving funds in FY 2075/76. The fund has been mobilizing within the group members at the rate of 12% annually.

Milk production in the outreach

The data shows the highest average monthly milk production was in Garjyang, Ramechhap followed by Sikri. The production in Garyang and Sikri was recorded 153.51, $n = 193$ and 149.85, $n = 227$ respectively. Similarly, in Dhunge and Kune it was recorded 144.05, $n = 227$ and 126.93, $n = 230$ respectively (Table 11). The daily average milk production in Garjyang, Sikri, Dhunge, and Kune was recorded 5.12 ($n = 193$), 4.99 ($n = 227$), 4.80 ($n = 213$) and 4.23 ($n = 193$) respectively (Table 11). Maximum daily milk production by individual cow was recorded 14.47, 13.43, 12.00 and 12.00 liter in Garjyang, Sikri, Dhunge and Kune respectively (Table 12).

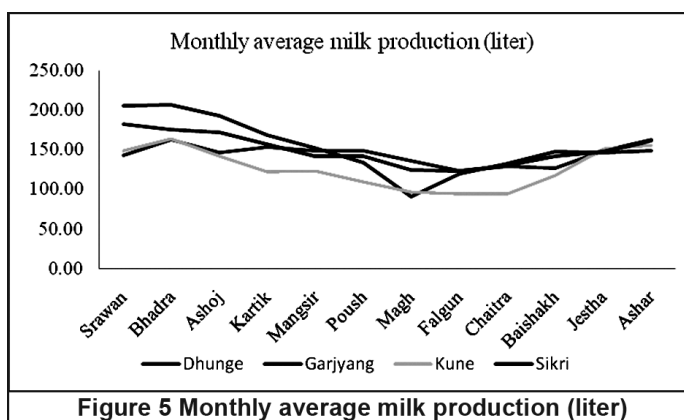


Figure 5 Monthly average milk production (liter)

Nucleus herd of exotic breeds of pig

A nucleus herd of an exotic breed of pigs has been maintaining that consists up pure line of Landrace (L) and Yorkshire (Y). In addition, the center has been producing crossbreeds of these breeds. The produced piglets are being distributed to the farmers. There has been a higher demand for L and Y piglets among the farmers of Dolakha, and Ramechhap districts.



Figure 6 Pigs at the center

Stock details of pig

In Asar 2076 BS, there were 48 pigs. Out of these 10 were pure line breeds; Landrace (6), Yorkshire (2) and Duroc (2) and remaining were its crossbreds (38) at the center (Table 13).

During the FY 2075/76 on average monthly about 38 pigs were reared ranging from 18 to 57. Out of these 14 to 17 were sows and 2 to 3 were boars. The average male piglets at the center were recorded 9 ranging from 1 to 18. Similarly, the average female piglets were about 15 ranging from 2 to 23 on a monthly time basis (Table 14).

Production, distribution, and mortality

During the last FY, altogether 212 piglets were born. Out of these 41 (19.3%) piglets died, among these 21 (21.9%) were male and 20 (17.2%) were female (Table 16).

Technical parameters of pig

During the last FY 2075/76, the age at first farrowing was 269.00 ± 53.19 , $n = 4$ (Table 17) ranging from 314 to 418 days. Similarly, the average farrowing intervals were 219.07 ± 56.53 , $n = 14$ ranging from 155 to 330 days (Table 18). The average litter size was recorded 8.15 (4.46 female and 3.9 male) at the center

Pig outreach program

Nigale Pig Breeder Group, Jiri -8, Dolakha

The group was formed in the FY 2073/74 with 25 members. It had NRs 15000.00 saving fund in the last FY. Distribution of 27 piglets (25 female and 2 male) was made in FY 2074/75. Full grant was made in the process of buying and distribution these piglets to the farmers with the supporting activities; drenching, vaccination, and training. The follow up with drenching, vaccination and 3-days pig rearing training supports were provided during the FY 2075/76.

Dumariya Pig Breeder Group, Dumariya -1, Sunsari

The group was formed in the FY 2075/76 with 15 members. Distribution of 32 piglets (30 female and 2 male) was made during the FY 2075/76. Full grant was made for the distribution of those piglets to the farmers with the supporting activities; drenching, vaccination, and training, etc.

Pasture and Rangeland Management Unit (PARMU)

The center has around 30 (20 in Jiri and 10 in Khimtee) Hec of cultivated forage area and 120 (39 in Jiri and 81 in Khimtee) permanent pasture land for cattle grazing (Table 1). Mainly the permanent pasture grass is constituted by Ryegrass (*Lolium perenne*), Paspalum (*Paspalum dilatatum*), Kikuyu (*Pennisetum clandestinum*), White clover (*Trifolium repens*), Dubo (*Cynolondactylon*) and other local grasses. The cultivated forages were Oat (*Avena sativa*), Maize (*Zea mays*), Setaria (*Setaria speculata*) and Napier (*Pennisetum*



Figure 7 Ryegrass at the center

perpureum). During the last FY 2075/76, about 402 kg of forage seeds were produced. Out of this, Ryegrass (*Lolium perenne*) and Paspalum (*Paspalum dilatatum*) were 52.0 and 350 kg (Table 19) respectively. About 259 (26 Ryegrass and 233 Paspalum) kg were distributed to the farmer.

All around the year cattle are left in the pasture for grazing for 7 to 8 hours a day. Cattle are being provided green (chaffed) grasses in the evening through the cut and carry system. After cutting, the green grasses were being stored for one night for wilting to remove the dews and moisture content associated with the grass. During winter the dry season, from Mangsir to Baisakh, almost for remaining six months of the year, the cattle were fed with hay and maize silage mixed, in addition to green fodder of Oat and Vetch. In addition, concentrate ration was also provided to the cattle during the day time. During the last FY Hydroponics fodder was produced and fed to the cows. Special cares were given to the calves, milking and pregnant animals in all the seasons of the year.

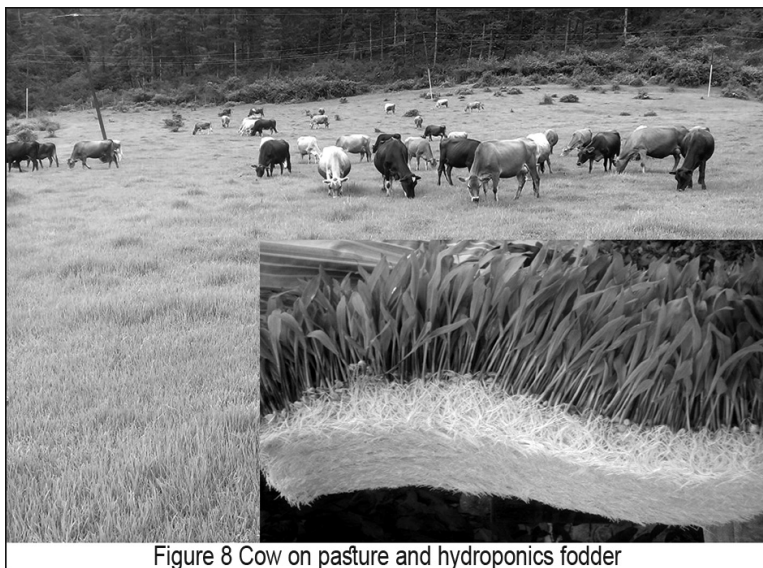


Figure 8 Cow on pasture and hydroponics fodder

Hydroponics forage production

The Center has a Hydroponics Fodder Production Machine to demonstrate the technology and overcome the feed deficit condition of the center during the lean period. Capacity of the machine is about 500 kg forage production daily. It was started to operate from the FY 2075/76 and about 146 mt forage was produced from the wheat and maize. The produced forage was fed to milking and pregnant cows. The impact of hydroponics forage on milking cows is under observation. Initially, positive impact was seen in terms of quantity and quality of milk; however it is still under study to

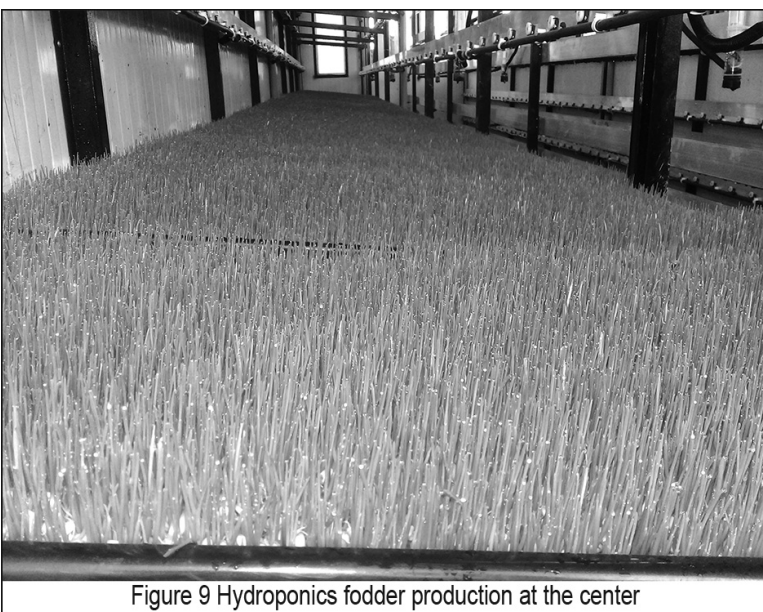


Figure 9 Hydroponics fodder production at the center

get conclusion on the basis of obtained data.

Major annual activities and achievements

The center had 89.8 and 310.74 lakh budget for the FY 2075/76 under the budget heading of capital expenditure and recurrent budget. Under the capital program, an incomplete building and drainage were completed. In addition, the center's gate and washrooms for the workers were built (Table 20). Under the recurrent budget, self-sufficiencies in milk, self-sufficiency in meat programs were launched and nucleus herds of the cattle and pig were maintained.



Figure 10 Newly built office building at the center

Four cow breeder groups were mobilized (one formed) with supporting activities; drenching, vaccination, treatment, distribution of forage seeds and saplings as well as cow rearing training.

Similarly, pig breeder groups were mobilized (one formed). Altogether 32 piglets (2 male and 30 female) were distributed in full grant with supporting activities; pig rearing training, drenching, vaccination and treatment (Table 20) under the self-sufficiency in meat.

During the FY 2075/76, physical and financial progress was 99.30 and 95.31 percent against the approved target (Table 20). Some outputs of the FY 2075/76 are given below;

- Altogether 402 kg of forage seeds (Ryegrass 52 and Paspalum 350) were produced and about 259 (26 Ryegrass and 233 Paspalum) kg were distributed to the farmer.
- About 100 and 150 mt of hay and silage were made and fed to the cows.
- 31 calves and 209 piglets were produced and 148 piglets were distributed to the farmers.
- 4 cattle breeder groups were mobilized and one formed.
- 32 piglets (2 male and 30 female) were distributed in full grant to the pig breeder group.

The center has tools and equipment to achieve the targets. Some of them had been waiting for repairing and most of them are in good condition (Table 21).

Achievements and Constraints Compared to FY 2074/075

- About 34% of milk production increased compared to FY 2074/075 due to improvement in managerial and technical aspects.
- The number of milking cows increased by 37.14% from 45.05 to 61.78%.
- The productivity of the cows increased by 14.14% from 5.73 to 6.54 liter average milk production per cow per day at the center.
- Average milk production increased by 37.22% from 10.56 to 14.49 liter per day per cow by the highest milking cow at the center.
- The age at first calving reduced by 11.07% from 36.22 to 32.21 months.
- The calving interval reduced by 21.34% from 21.23 to 16.7 months.
- Revenue increased by 37.47% from 43.74 to 60.14 lakh.
- Budget (capital) allocation decreased by 27.29% from 123.51 to 89.8 lakh
- Budget (recurrent) allocation decreased by 18.05% from 379.43 to 310.94 lakh
- Overall budget allocation decreased by 20.32% from 502.94 to 400.74 lakh
- Unused Hydroponics Fodder Production Machine was operated and produced about 146 mt of forage from the wheat and maize grain.

Training

A two-week applied and residential training for cattle breeders was conducted in FY 2075/76; from Jestha 12 to 26, 2076 at the center. There were six participants (five males and one female.) The participants were from Dolakha and Ramechhap districts (Table 22). Similarly, a two-week applied and residential training for pig breeders was conducted in FY 2075/76; from Jestha 19 to Ashadh 01, 2076 at the center. There were six participants (four males and two females.) The participants were from Dolakha and Sunsari districts (Table 23).

Revenue collection

The farm has been collecting revenue from selling milk, piglets, manure and forage seeds (Table 24). During the last FY 2075/76, about 60.14 lakh was collected (Table 25). Milk selling had had the highest share (75.22%) followed by selling piglets (8.45%). The price of liter milk ranged from NRs. 46.00 to 52.13 according to norms of Dolkha Dairy Uddhyog Limited, Charikot, Dolakha and tender rate. Similarly, the price of piglets ranged from NRs. 3500.00 to 4500.00 on the basis of the age of the piglets (Table 26).

Human resources

During the last FY 2075/76, the farm had 10 permanent personnel. Out of this 9 personnel had worked for the center and the remaining post was vacant (Table 27). In addition, 9 cows (7 for Jiri and 2 for Khimtee) and 2 pig attendants were contracted to carry out the regular work at the center.

Problems

- Encroachment of farmland by the neighbors as well as other organizations
- Lack of chilling vat to store the produced milk.
- Lack of building and sheds for the existing stock.
- Lack of fencing in Khimtee as well as Jiri.
- No provision of incentives for the staff working round the clock.
- Most of the physical infrastructure was destroyed by an earthquake so very difficult to manage the cattle and pig in a temporary shelter even to the staff also.
- Old drainages are not working properly in the pasture land.

Attempts made to solve the problems

- Request for installing chilling vat, overtime allowances, construction of building activities were asked to discuss and asked to support in solving these problems from the concerning.
- Surface and underground drainage have been repaired and attention has been paid for the regular maintenance to prevent them from future damaged.
- Recruitment of a few seasonal workers.
- Reconstruction of a few physical facilities.

List of Tables

Table 1 Farm land area.

S.N.	Description	Land (Hac)			Remarks
		Jiri	Khimtee	Total	
1	Office, shed other buildings and road	6	4	10	
2	Forest, river and streams	19	30	49	
3	Cultivated forage area	20	10	30	
4	Seasonal and permanent pasture land	39	81	120	
	Total	84	125	209	

Table 2 Weather of Jiri.

Particular	Months											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Avg. Temperature (°C)	7	8.3	12.2	15.8	17.2	19.3	19.5	19.4	18.1	15.8	11.1	7.8
Min. Temperature (°C)	0.5	1.5	5.3	9.7	11.9	15.7	16.5	16.1	14.4	11	5.1	1.1
Max. Temperature (°C)	13.6	15.1	19.2	22	22.6	22.9	22.6	22.7	21.8	20.6	17.1	14.5
Avg. Temperature (°F)	44.6	46.9	54.0	60.4	63.0	66.7	67.1	66.9	64.6	60.4	52.0	46.0
Min. Temperature (°F)	32.9	34.7	41.5	49.5	53.4	60.3	61.7	61.0	57.9	51.8	41.2	34.0
Max. Temperature (°F)	56.5	59.2	66.6	71.6	72.7	73.2	72.7	72.9	71.2	69.1	62.8	58.1
Precipitation / Rainfall (mm)	16	9	31	71	157	365	577	515	300	88	9	4

Table 3 List of the chiefs.

SN	Name	Post	Period	Remarks
1	Mr. Jain Munsch	Joint Manager	2015-2020	
2	Mr. Prayag Dutta Tiwari	Chief Officer	2018-2024	
3	Dr. Heramba Raj Rajbhandari	General Manager	2022-2024	
4	Mr. Asta Dhoj Joshi	Chief Officer	2024-2026	
5	Mr. Iswari Raj Regmi	Chief Officer	2026-2028	
6	Mr. Shankar Bahadur Adhikari	Act. Chief Officer	2028-2030	
7	Mr. Ram Chandra Gupta	Chief Officer	2031-2031	
8	Mr. Ram Milan Upadhyay	Act. Chief Officer	2032-2038	
9	Mr. Shankar Bahadur Adhikari	Act. Chief Officer	2038-2038	
10	Mr. Shatrughan Lal Pradhan	Act. Chief Officer	2038-2041	
11	Mr. Dala Ram Pradhan	Act. Chief Officer	2041-2041	
12	Mr. Renu Bahadur K.C.	Act. Chief Officer	2041-2042	
13	Mr. Ram Milan Upadhyay	Act. Chief Officer	2042-2042	
14	Mr. Renu Bahadur K.C.	For Chief Officer	2042-2045	

SN	Name	Post	Period	Remarks
15	Mr. Yogendra Raut	Act. Liv. Dev. Officer	2045-2048	
16	Mr. Nathu Prasad Chaudhary	Liv. Dev. Officer	2048-2049	
17	Mr. Parsanna Kumar Koirala	Liv. Dev. Officer	2049-2049	
18	Mr. Sudarsan Prasad Regmi	Liv. Dev. Officer	2050-2050	
19	Mr. Mani Kumar Shrestha	Liv. Dev. Officer	2051-2052	
20	Mr. Yadunath Sharma	Liv. Dev. Officer	2052-2055	
21	Mr. Sudarsan Prasad Regmi	Liv. Dev. Officer	2055-2059	
22	Mr. Gyan Bahadur Thapa	Liv. Dev. Officer	2059-2062	
23	Mr. Chhabilal Adhikari	Liv. Dev. Officer	2062-2062	
24	Dr. Dinesh Prasad Parajuli	Senior Liv. Dev. Officer	2062-2063	
25	Mr. Chhabilal Adhikari	Liv. Dev. Officer	2063-2066	
26	Dr. Narayan Prasad Sharma	Senior Liv. Dev. Officer	2066-2068	
27	Mr. Tanka Kumar Shrestha	Liv. Dev. Officer	2068-2068	
28	Mr. Purna Prasad Manandhar	Senior Liv. Dev. Officer	2068-2069	
29	Dr. Dharma Raj Giri	Liv. Dev. Officer	2069-2070	
30	Dr. Sudhir Kumar Singh	Senior Liv. Dev. Officer	2070-2072	
31	Mr. Gana Bahadur Jirel	Act. Liv. Dev. Officer	2072- 2075	
32	Mr. Shankar Sah	Senior Liv. Dev. Officer	2075 Bhadra	to date

Table 4 Stock details of cattle.

SN	Month	Stock detail 2075 Srawan to 2076 Ashadh				Total	Remarks
		Large		Small			
		Male	Female	Male	Female		
1	Shrawan	3	73	23	17	116	
2	Bhadra	3	75	22	19	119	
3	Ashoj	3	75	25	19	122	
4	Kartik	3	75	24	19	121	
5	Magsir	2	57	1	19	79	Auctioned
6	Paush	2	57	1	20	80	
7	Magh	2	57	3	23	85	
8	Falgun	2	57	3	25	87	
9	Chaitra	2	57	3	27	89	
10	Baishakh	2	57	4	27	90	
11	Jestha	2	57	4	55	118	Heifer bought
12	Ashadh	2	57	4	55	118	
Average stock		2.3	62.8	9.8	27.1	102.0	

Table 5 Number of the dead cattle at the center.

SN	Month	Number of the dead cattle					% of the dead cattle				
		Large		Small		Total	Large		Small		Total
		Male	Female	Male	Female		Male	Female	Male	Female	
1	Shrawan			1	1	2			4.35	5.88	1.72
2	Bhadra		1	3	1	5		1.33	13.64	5.26	4.20
3	Ashoj			1		1			4.00		0.82
4	Kartik			1		1			4.17		0.83
5	Magsir										
6	Poush										
7	Magh										
8	Falgun				1	1				4.00	1.15
9	Chaitra										
10	Baishakh										
11	Jestha										
12	Ashar										
Sum			1.0	6.0	3.0	10.0	Average	1.33	6.54	5.05	1.74
Aggregate average mortality											3.67

Table 6 Trend of the calf production and survival rate at center.

S.N.	FY	Male	Female	Total	No. of dead calves	Mortality (%)	Remarks
1	2061/062	9	4	13	2	15.38	
2	2062/063	6	5	11	1	9.09	
3	2063/064	16	12	28	3	10.71	
4	2064/065	10	12	22	1	4.55	
5	2065/066	14	16	30	3	10.00	
6	2066/067	14	8	22	0	0.00	
7	2067/068	25	7	32	0	0.00	
8	2068/069	21	20	41	5	12.2	
9	2069/070	8	11	19	2	10.53	
10	2070/071	16	16	32	2	6.25	*Shrawan (2), Bhadra (4), Asoj (1), Kartik (1) and Falgun (1)
11	2071/072	8	15	23	2	8.70	
12	2072/073	21	24	45	7	15.56	
13	2073/074	10	9	19	2	10.53	
14	2074/075	23	26	49	4	8.16	
15	2075/076	12	19	31	9*	29.03	

Table 7 Trend of production and distribution of calves and bull as well as AI service.

SN	Descriptions	FY (unit in number)									
		66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76
1	Calves production	22	32	41	19	32	23	45	20	49	31
2	Bull distributions	4	24	11	5	15	7	4	1	1	
3	AI Service	287	291	241	262	228	220	134	230	180	175

Table 8 Milk production at the center.

SN	Month	Total milk production (L)	No. of milking cows (n)	Monthly average milk production (L)	Average daily milk production /day/cow	Daily milk production from the highest yielder cow	Name of the highest milking cow	Remarks
1	Srawan	8084.50	43.0	188.0	6.06	15.0	Furki	
2	Bhadra	6729.50	44.0	152.9	4.93	14.0	Furki	
3	Asoj	6102.50	45.7	133.5	4.31	12.5	Furki	
4	Kartik	5794.00	43.6	132.9	4.58	12.0	Resmi	
5	Mangsir	5801.50	33.5	173.2	5.97	13.0	Resmi	
6	Poush	6677.50	34.1	195.8	6.53	13.5	Niruta	
7	Magh	6708.50	33.4	200.9	6.93	13.5	Sarita	
8	Falgun	7987.00	33.7	237.0	7.90	14.0	Sarita	
9	Chaitra	8862.20	38.6	229.6	7.65	14.5	Soniya	
10	Baisakh	9581.00	40.7	235.4	7.59	16.7	Furki	
11	Jestha	9820.50	38.0	258.4	8.08	17.7	Furki	
12	Ashadh	9243.00	37.3	247.8	7.99	17.5	Furki	
Average		7615.98	38.8	198.8	6.54	14.49		
SD		1497.61	4.54	43.90	1.37	1.89		
Maximum		9820.50	45.70	258.43	8.08	17.70		
Mnimum		5794.00	33.40	132.89	4.31	12.00		

Note: The highest milk production/yield was obtained from the different cows in the different months

Table 9 Age at first calving at the center.

SN	Tag No.	Name	Date of birth BS	Date of birth (AD)	First calving	Calving date BS	Calving date (AD)	Month	Remarks
1	22284	Indravati	02/10/2072	2016/1/16	921.00	11/04/2075	2018/7/27	30.70	
2	22241	Sajana	03/11/2072	2016/2/15	891.00	13/04/2075	2018/7/29	29.70	
3	22202	Trishna	19/12/2071	2015/4/2	1221.00	23/04/2075	2018/8/8	40.70	
4	22271	Nabina	27/10/2073	2017/2/9	579.00	29/05/2075	2018/9/14	19.30	
5	22283	Ramita	27/10/2073	2017/2/9	732.00	29/10/2075	2019/2/12	22.00	
6	22215	Soniya	12/06/2072	2015/9/29	1248.00	12/11/2075	2019/2/24	41.60	
7	22208	Nikita*	14/03/2072	2015/6/29	1356.00	30/11/2075	2019/3/14	45.20	
8	9950	Tamana	08/10/2072	2016/1/22	1151.00	03/12/2075	2019/3/17	38.37	
9	22290	Utisa	31/02/2074	2017/6/14	671.00	03/01/2076	2019/4/16	22.37	
Average (days)					974.44	Month		32.21	
Median (days)					921.00	Month		30.70	
Satandard deviation (days)					280.50	Month		9.64	
Minimum (days)					579.00	Month		19.30	
Maximum (days)					1356.00	Month		45.20	

Table 10 Calving intervals at the center.

SN	Tag No.	Name	Date of Preceding Calving BS	Date of Preceding Calving AD	Calving Interval	Calving date BS	Calving date (AD)	Parity	Month
1	2697	Rakhi	07/01/2074	2017/4/20	478.00	30/04/2075	2018/8/15	4	15.93
2	9834	Samjhna	08/04/2074	2017/7/23	389.00	02/05/2075	2018/8/18	5	12.97
3	22278 (9912)	Kusum Kh	15/04/2074	2017/7/30	383.00	03/05/2075	2018/8/19	2	12.77
4	105	Kusum	23/11/2073	2017/3/6	526.00	03/05/2075	2018/8/19	3	17.53
5	9932	Indira	18/04/2074	2017/8/2	402.00	25/05/2075	2018/9/10	4	13.40
6	22263	Kumari	28/12/2073	2017/4/10	530.00	11/06/2075	2018/9/27	2	17.67
7	9801	Kandu	12/04/2074	2017/7/27	432.00	18/06/2075	2018/10/4	5	14.40
8	244	Reshmi	15/05/2074	2017/8/31	404.00	23/06/2075	2018/10/9	3	13.47
9	101	Mahima	24/04/2074	2017/8/8	433.00	01/07/2075	2018/10/18	2	14.43
10	22001	Karishma	02/02/2074	2017/5/16	543.00	30/07/2075	2018/11/16	4	18.10
11	9841	Kunti	22/07/2074	2017/11/8	415.00	10/09/2075	2018/12/25	4	13.83
12	22010	Kritika *	12/02/2074	2017/5/26	587.00	22/09/2075	2019/1/6	2	19.53
13	235	Bimali	04/05/2074	2017/8/20	526.00	12/10/2075	2019/1/26	3	17.53
14	9817	Sarita	18/04/2074	2017/8/2	545.00	15/10/2075	2019/1/29	4	18.17
15	22285	Phurki	23/09/2074	2018/1/7	390.00	18/10/2075	2019/2/1	6	13.00
16	22637	Bindeswori	20/07/2074	2017/11/6	462.00	25/10/2075	2019/2/8	5	15.40
17	102	Tashi	20/06/2074	2017/10/6	524.00	26/11/2075	2019/3/10	3	17.47

SN	Tag No.	Name	Date of Preceding Calving BS	Date of Preceding Calving AD	Calving Interval	Calving date BS	Calving date (AD)	Parity	Month
18	104	Lila kumari	06/05/2074	2017/8/22	585.00	12/12/2075	2019/3/26	3	19.50
19	108	Usha	05/12/2074	2018/3/19	378.00	18/12/2075	2019/4/1	3	12.60
20	22206	Sakira	04/04/2074	2017/7/19	602.00	27/11/2075	2019/3/11	2	20.07
21	22273	Tara	30/11/2074	2018/3/14	448.00	21/02/2076	2019/6/4	9	14.93
22	22255	Kariya	29/04/2074	2017/8/13	678.00	07/03/2076	2019/6/22	6	22.60
23	22274	Mandakini	01/08/2074	2017/11/17	572.00	24/02/2076	2019/6/7	5	19.07
24	22217	Shakuntala	19/01/2074	2017/5/2	795.00	24/03/2076	2019/7/9	8	26.50
Average (days)				501.13	Month				16.70
Median (days)				501.00	Month				16.70
Standard deviation (days)				103.95	Month				3.46
Minimum (days)				378.00	Month				12.60
Maximum (days)				795.00	Month				26.50

Table 11 Monthly average milk production in outreach.

Month	Cattle Breeder Groups at (milk in liter)				Remarks
	Dhunge	Garjyang	Kune	Sikri	
Srawan	143.33 (15)	205.59 (16)	149.15 (20)	182.06 (18)	
Bhadra	162.65 (17)	206.74 (17)	164.00 (19)	175.50 (18)	
Ashoj	146.18 (17)	192.97 (18)	142.06 (18)	171.89 (19)	
Kartik	153.82 (17)	168.24 (17)	122.95 (20)	156.67 (21)	
Mangsir	148.33 (15)	151.88 (16)	123.38 (21)	141.80 (20)	
Poush	148.26 (19)	133.71 (17)	109.71(21)	141.84 (19)	
Magh	136.39 (18)	90.31(16)	97.20 (20)	124.21(19)	
Falgun	123.06 (18)	119.06 (16)	95.24 (21)	123.42 (19)	
Chaitra	128.53 (17)	131.88 (16)	94.71 (17)	130.63 (16)	
Baishakh	127.11(19)	146.79 (14)	117.37 (19)	141.47(17)	
Jestha	148.67(21)	146.00 (15)	151.47(17)	147.00(20)	
Ashadh	162.25 (20)	149.00 (15)	155.88(17)	161.67(21)	
Monthly average	144.05 (213)	153.51 (193)	126.93 (230)	149.85 (227)	
SD	13.01	35.01	25.01	19.77	
Daily average	4.80	5.12	4.23	4.99	

Table 12 Maximum monthly milk production by the individual cow in outreach.

Month	Maximum milk production (liter) at				Remarks
	Dhunge	Garjyang	Kune	Sikri	
Srawan	210	434	320	360	
Bhadra	300	434	360	360	
Ashoj	360	434	270	403	
Kartik	360	360	240	360	
Mangsir	300	290	220	300	
Poush	300	240	210	290	
Magh	250	132	170	270	
Falgun	240	300	175	240	
Chaitra	215	400	160	230	
Baishakh	210	360	250	280	
Jestha	240	380	360	310	
Ashadh	240	375	350	315	
Maximum (monthly)	360.00	434.00	360.00	403.00	
Maximum (daily)	12.00	14.47	12.00	13.43	
Monthly average of maximum	268.75	344.92	257.08	309.83	
Daily average of maximum	8.96	11.50	8.57	10.33	

Table 13 Breed wise stock details.

SN	Particular	Breed wise stock detail in Asar 2076						Remarks
		Landrace (L)	Yorkshire (Y)	LY	DLY	Durock (D)	Total	
1	Sow	2		9	3		14	
2	Gilt	2		5		2	9	
3	Boar	1	1				2	
4	Piglet	1	1	10	11		23	
	Total	6	2	24	14	2	48	

Table 14 Stock details of pig.

SN	Month	Stock detail 2075/76					Remarks
		Large		Small		Total	
		Male	Female	Male	Female		
1	Shrawan	3	17	1	21	42	
2	Bhadra	3	17	17	20	57	
3	Asoj	3	17		5	25	
4	Kartik	3	17	7	8	35	
5	Magsir	2	14	1	6	23	

SN	Month	Stock detail 2075/76					Remarks
		Large		Small		Total	
		Male	Female	Male	Female		
6	Paush	2	14	6	5	27	
7	Magh	2	14	18	23	57	
8	Falgun	2	14		2	18	
9	Chaitra	2	14	2	3	21	
10	Baishakh	2	14	4	4	24	
11	Jestha	2	14	9	12	37	
12	Ashadh	2	14	13	19	48	
Average		2.3	14.8	9.4	14.6	37.9	

Table 15 Production and distribution of piglets.

S.N.	Descriptions	FY (unit in number)									
		66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76
1	Production	237	342	206	191	210	210	161	154	152	209
2	Distribution	234	294	205	101	190	168	180	81	150	148

Table 16 The number of dead piglets.

S.N.	Month	No. of piglets						Percentage of dead		
		Born			Dead			Male	Female	Total
		Male	Female	Total	Male	Female	Total			
1	Shrawan									
2	Bhadra	23	21	44	6	1	7	26.1	4.8	15.9
3	Asoj	1	4	5		1	1	0	25.0	20.0
4	Kartik	8	10	18	1	2	3	12.5	20.0	16.7
5	Magsir	2	6	8	1		1	50	0.0	12.5
6	Paush	8	6	14	2	1	3	25	16.7	21.4
7	Magh	21	29	50	3	6	9	14.3	20.7	18.0
8	Falgun	2	3	5		1	1	0	33.3	20.0
9	Chaitra	6	4	10	4	1	5	66.7	25.0	50.0
10	Baishakh	5	8	13	1	2	3	20	25.0	23.1
11	Jestha	11	15	26	2	2	4	18.2	13.3	15.4
12	Ashadh	9	10	19	1	3	4	11.1	30.0	21.1
Total/Average		96	116	212	21	20	41	21.9	17.2	19.3

Table 17 Age at first farrowing.

SN	Tag No.	Date of birth BS	Date of birth AD	Age at first farrowing	Calving date BS	Calving date AD	Remarks
1	493	2074/07/17	2017/11/3	314.00	2075/05/27	2018/09/12	

SN	Tag No.	Date of birth BS	Date of birth AD	Age at first farrowing	Calving date BS	Calving date AD	Remarks
2	495	2074/07/17	2017/11/3	333.00	2075/06/15	2018/10/1	
3	497	2074/07/16	2017/11/2	418.00	2075/09/07	2018/12/22	
4	496	2074/08/16	2017/12/2	411.00	2075/10/01	2019/01/15	
Average (days)				369.00	Month	12.30	
Standard deviation (days)				53.19	Month	1.77	
Minimum (days)				314.00	Month	10.47	
Maximum (days)				418.00	Month	13.93	

Table 18 Farrowing interval.

SN	Tag No.	Previous farrowing date BS	Previous farrowing date AD	Farrowing interval	Farrowing date BS	Farrowing date AD	Parity	Remarks
1	885	2075/05/04	2018/08/20	176.00	2075/10/27	2019/02/10		
2	885	2074/09/12	2017/12/27	234.00	2075/05/04	2018/08/20		
3	884	2075/05/10	2018/08/26	156.00	2075/10/13	2019/01/27		
4	884	2074/10/01	2018/01/15	221.00	2075/05/10	2018/08/26		
5	883	2075/05/16	2018/09/1	156.00	2075/10/19	2019/02/2		
6	883	2074/07/17	2017/11/3	303.00	2075/05/16	2018/09/1		
7	493	2075/05/27	2018/09/12	158.00	2075/11/01	2019/02/13		
8	494	2075/01/04	2018/04/17	298.00	2075/10/29	2019/02/12		
9	894	2074/08/08	2017/11/24	295.00	2075/05/30	2018/09/15		
10	892	2074/11/11	2018/02/23	246.00	2075/07/15	2018/11/1		
11	886	2074/09/08	2017/12/23	183.00	2075/03/10	2018/06/24		
12	425	2075/02/16	2018/05/30	155.00	2075/07/21	2018/11/7		
13	177	2075/01/25	2018/05/8	270.00	2075/10/22	2019/02/5		
14	460	2075/02/01	2018/05/15	216.00	2075/09/05	2018/12/20		
Average			Days	219.07	Month	7.30		
Standard deviation			Days	56.53	Month	1.88		
Maximum			Days	303.00	Month	10.10		
Minimum			Days	155.00	Month	5.17		

Table 19 Details of forage seed production and distribution.

S.N.	Forage seeds	FY (unit in kg)									
		66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76
1	Production	213	348	288	252	270	280	300	305	258	402
2	Distribution	213	348	288	252	270	280	300	220	258	259

Table 20 Activities (target and achievement).

Activities	Unit	Target			Achievement	Remarks
		Quantity	Weightage	Budget NRs(Lakh)	Quantity	
1. Capital budget						
Construction of incomplete cow shed at Jiri	No.	1.0	10.73	43.00	1.0	
Construction of office gate at Jiri	No.	1.0	1.12	4.50	1.0	
Construction of wash/bath rooms at Jiri	No.	1.0	1.00	4.00	1.0	
Construction of washrooms and solar fitting at Jiri farm	No.	1.0	2.45	9.80	1.0	
Drainage construction at Jiri	No.	1.0	6.24	25.00	1.0	
Construction of wash/bath rooms at Khimti	No.	1.0	0.87	3.50	1.0	
2. Recurrent expenditure						
Computer training	Freq.	2	0.15	0.6	2	
Farm day celebration	Freq.	1	0.12	0.5	1	
Milk day celebration	Freq.	1	0.12	0.5	1	
Interaction with Farm Sudhar Samitee and farmers	Freq.	1	0.12	0.5	1	
Heifer (Sexed semen) purchase for nucleus herd maintenance	No.	27	6.14	27	26	
Management of Jersey nucleus herd	No.	125	17.47	70	25	
Calf production	No.	25	2.18	8.75	25	
Bull, he-heifer rearing / keeping	No.	50	2.50	10	50	
Heifer rearing for replacement	No.	50	2.50	10	50	
Green grass production	Hec.	15	2.00	8	15	
Hay making	mt.	100	0.87	3.5	100	
Silage making	mt.	100	0.62	2.5	100	
Piglets production	No.	230	1.15	4.6	212	
Piglets purchase for replacement	No.	6	0.25	1.02	6	
Silage making at Khimti	mt.	50	1.21	4.85	50	
Pig rearing	No.	18	2.25	9	18	
2A Milk self-sufficiency program						
2-week applied and residential training for cattle farmers	Freq.	1	0.87	3.5	1	
3-day cattle management training	Freq.	1	0.75	3	1	
Breeder group formation & mobilization	No.	2	0.15	0.6	2	
Follow-up program of the breeder group	No.	3	1.25	5	3	

Activities	Unit	Target			Achievement	Remarks
		Quantity	Weightage	Budget NRs(Lakh)	Quantity	
Drenching, vaccination and treatment services	Freq.	2	0.5	2	2	
Purchase of seeds and other materials for hydroponic operation and forage production	Freq.	3	3.24	13	3	
AI services	No.	200	0.5	2	200	
Seed collection of Ryegrass	kg	300	0.37	1.5	300	
Seed collection of Paspalam grass	kg	400	0.5	2	400	
Plantation of fodder at Jiri farm	Hec.	2	1	4	2	
Removing shrubs and other unwanted plants from pasture land	Freq.	1	0.75	3	1	
Management of cattle & buffalo Bull at Khimtee farm	No.	3	0.75	3	3	
Publication annual report	Freq.	1	0.12	0.5	1	
Publication of brochure, leaflet for production at low cost of pig and cow	Freq.	1	0.25	1	1	
Website update	Freq.	1	0.17	0.7	1	
Farm observation and visit to cow breeder group	Freq.	1	0.75	3	1	
Farm day celebration	Freq.	1	0.1	0.5		
2B Meat self-sufficiency program						
2-week applied and residential training for pig raisers	Freq.	1	0.87	3.5	1	
Pig keeping and management training (3 days)	Freq.	1	0.75	3	1	
Group formation and mobilization	No.	1	1	4	1	
Follow-up program of pig breeder group in Eastern Regio	Freq.	2	0.5	2	2	
Drenching, vaccination and treatment services	Freq.	2	0.37	1.5	2	
Farm observation visit of pig breeder group	Freq.	1	0.5	2	1	
Purchase of pig for replacement	No.	1	0.1	0.03	1	
Physical progress 99.30 %			Financial progress 95.31 %			

Table 21 Major tools, equipment and their status including other assets.

S.N.	Particular	Unit	Quantity	Condition	Remarks
1	Motorcycle	No.	3	1 Repairable 2 good	
2	Tata sumo motor	No.	1	Repairable	
3	Guest room	No.	1	Good	
4	Staff canteen	No.	1	Repairable	
5	Motor garage	No.	1	Repairable	
6	Silo pit	No.	3	1 Good 2 Repairable	
7	Chaff cutter machine	No.	2	Good	
8	Computer set	No.	7	Good	
9	Power sprayer	No.	1	Good	
10	Metal detector	No.	1	Good	
11	Tractor	No.	2	Good	
12	Generator	No.	2	Good	
13	Milking machine	Set	2	Good	
14	Centrifuge machine	No.	1	Good	
15	Fax machine	No.	1	Good	
16	Photocopy machine	No.	3	Good	
17	STM phone line	No.	1	Good	
18	Canon Camera	No.	2	Good	
19	Laptop	No.	4	Good	
20	Refrigerator	No.	2	Good	
21	Lacto scan (milk analyzer)	No.	1	Good	
22	Liquid Nitrogen container	No.	4	Good	
23	Multimedia projector	No.	1	Good	
24	Binocular microscope	No.	2	Good	
25	Field water pump set	No.	1	Good	
26	Digital beam balance	No.	1	Good	
27	Solar water heater	No.	3	Good	
28	Solar light	Set	2	Good	
29	Hydroponic Machine	Set	1	Good	
30	Four-wheel pick up	No.	1	Good	
31	Cowshed with hay store	No.	1	Good	
32	Staff quarter	No.	2	Good	
33	Cow Shed	No.	2	Good	
34	Hay Store	No.	1	Good	
35	Watchmen quarter	No.	1	Good	
36	Manual hay binder	No.	1	Good	
37	Backfat thickness	No.	1	Good	
38	Pig PD machine	No.	1	Good	

S.N.	Particular	Unit	Quantity	Condition	Remarks
39	Water pump	No.	3	Good	
40	Burdizzo Castrator	No.	2	Good	
41	Gas heater	No.	2	Good	
42	Samsung Mobile J6	No.	1	Good	
43	UPS	No.	4	Good	

Table 22 List of two-week applied and residential training for cattle farmers.

SN	Name	Address	Remarks
1	Gunj Bahadur Kunwar	Jiri -5, Dhunge, Dolakha	
2	Tirtha Bahadur Khadka	Gokulganga -1 Garjyang, Ramechhap	
3	Anil Bhandari	Tamakoshi -3, Japhe, Dolakha	
4	Sharada Karki	Tamakoshi -3, Japhe, Dolakha	
5	Kanchha Bahadur Jirel	Jiri-7, Sikri, Dolakha	
6	Tika Jirel	Jiri -4 Ratmate, Dolakha	

Table 23 List of two-week applied and residential training for pig raisers.

SN	Name	Address	Remarks
1	Nima Tamang	Jiri -8, Dolakha	
2	Temba Sherpa	Jiri -8, Dolakha	
3	Nawaraj Tamang	Tamakoshi -3, Dolakha	
4	Achchhabati Chaudhary	Ramdhuni -1, Sunsari	
5	Manti Chaudhary	Ramdhuni -1, Sunsari	
6	Dev Narayan Chaudhary	Ramdhuni -1, Sunsari	

Table 24 Share of the revenue collection.

Particular	Revenue	Percent	Remarks
Milk	4523659	75.22	
Piglets	508000	8.45	
Cattle Auction	397500	6.61	
Cattle manure	198000	3.29	
Tender	174000	2.89	
Pig	90350	1.50	
Grass seeds	78975	1.31	
Miscellaneous	25005	0.42	
Pig manure	7000	0.12	
Sacks	8540	0.14	
AI	3000	0.25	
Total	6014029	100.00	

Table 25 Details of the yearly revenue collection.

Particular	FY (NRs in Lakh)										Remarks
	66/67	67/68	68/69	69/70	70/71	71/72	72/73	73/74	74/75	75/76	
Revenue	13.88	24.92	27.63	29.33	31.67	35.95	42.66	32.15	43.75	60.14	

Table 26 Price list of the products.

SN	Particular	Unit	Nrs.	Remarks
1	Cow milk	Liter	46 to 52.13	According to norms of Dolkha Dairy Uddhyog Limited, Charikot, Dolakha and tender rate.
2	Cattle manure	Trailer	4500	
3	Pig manure	Sac (50 kg)	250	
4	Piglets (30-45 days)	No.	3500	
5	Piglets (46-60 days)	No.	4000	
6	Piglets (61-90 days)	No.	4500	
7	Called pig	kg	130	Live weight
8	Seed of Ryegrass	kg	350	
9	Seed of Paspalum grass	kg	300	
10	Artificial Insemination in cow and buffalo	Freq.	25	
11	Sac	Pc	10	

Table 27 Human resource at the center.

S.N.	Post	Class	No. of Seats			Remarks
			Approved	Fulfilled	Vacant	
1	Senior Livestock Development Officer	G II	1	1		
2	Livestock Development Officer	G III	1	1		
3	Livestock Technician	NGI	2	2		
4	Assistant Livestock Technician	NGII	2	2		
5	Sub-accountant	NGII	1	1		
6	Driver	N GII	1		1	
7	Office Assistant		2	2		
Total			10	9	1	

ANNEX

Annex 1 Annual Program

वार्षिक विकास कार्यक्रम बजेट तर्जुमासँग सम्बन्धित आर्थिक प्रशासन नियम २०(१) बमोजिम फारम

बजेट फारम नं. ६६.६.१
रा.पो.आ/फारम नं. १
फारम नं. १/२

श. नं. २०६४/७६
बजेट उपवर्गिक नं. ३१११६८
संस्था : कृषि भूँसि व्यवस्था तथा सहकारी सञ्चालन
विभाग/ संस्था : पशुपन्छी विकास सञ्चालन
कार्यक्रम / आयोजनाको नाम : पशुपन्छी चेतन व्यवस्थापन तथा प्रवर्द्धन कार्यक्रम (गाई) (बा) वैज्ञानिक अनुबन्धित (सोत केन्द्र, सिरी)
स्थान (का) जिल्ला : दोलखा
अयोजना शुरू भएको मिति :
अयोजना पूरा हुने मिति :
आयोजना/ कार्यक्रमिय प्रमुखको नाम :

१० वार्षिक बजेट (रु): ४००.७४
क) आन्तरिक : १) नेपाल सरकार ४००.७४
२) स्थानीय विकास / संस्था : ०
३) जलसम्पत्तिले :
अनुदान रकम

११ आयोजनाको कुल लागत (रु):
क) आन्तरिक : १) नेपाल सरकार ४००.७४
२) स्थानीय विकास / संस्था : ०
३) जलसम्पत्तिले :
(बा) वैज्ञानिक

१२) गत आ ब सम्मको खर्च (रु) सोझै सुकाई तथा बसुला समेत
क) आन्तरिक १) नेपाल सरकार : ०
२) स्थानीय विकास / संस्था :
३) जलसम्पत्तिले :
(बा) वैज्ञानिक

१३) गत आ ब सम्मको खर्च (रु) सोझै सुकाई तथा बसुला समेत
क) आन्तरिक १) नेपाल सरकार : ०
२) स्थानीय विकास / संस्था :
३) जलसम्पत्तिले :
(बा) वैज्ञानिक

र. लाखमा

क्र. सं.	कार्यक्रम / विवरण	इकाई	आयोजनाको कुल निःशुल्कको			साथमा			आयोजनाको कुल निःशुल्कको			आयोजनाको कुल निःशुल्कको			आयोजनाको कुल निःशुल्कको			आयोजनाको कुल निःशुल्कको		
			परियोजना	भार	लागत	परियोजना	भार	लागत	परियोजना	भार	लागत	परियोजना	भार	लागत	परियोजना	भार	लागत	परियोजना	भार	लागत
			५	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७	१८	१९	२०	२१
१	अ) दुईगोल खर्च अन्तर्गत कार्यक्रमहरू	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
२	२.२.२.३.१० अनुगो कार्यलय भवन निर्माण (सर्वसाधारण कार्यलय प्रयोजन)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
३	२.२.२.३.१० सोलाङ उडान तथा वाट वाकस निर्माण (सिर्जना सुधार खर्च)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
४	२.२.२.३.१० वाट वाकस भूविज्ञान नाली निर्माण (सिर्जना सुधार खर्च)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
५	क) दुईगोल खर्च कार्यक्रमको नाम	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
६	आ) बजेट खर्च अन्तर्गत कार्यक्रमहरू	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
७	१.१.१.१ रा.प.दक्षिण (का.) (स्थानीय कार्यवाही)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
८	१.१.१.२ रा.प.दक्षिण (बा.) (स्थानीय कार्यवाही)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
९	१.१.१.३ रा.प.अर्ज.सम्पन (बा.) (स्थानीय कार्यवाही)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१०	१.१.१.४ रा.अ.दक्षिण (का.) (स्थानीय कार्यवाही)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
११	१.१.१.५ रा.प.अर्ज.दक्षिण (बा.) (स्थानीय कार्यवाही)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१२	१.१.१.६ का.स. पोषी श्रमि/स्थानीय कार्यवाही	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१३	१.१.१.७ ह.स.या. वृत्तिय/स्थानीय कार्यवाही	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१४	१.१.१.८ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१५	१.१.१.९ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१६	१.१.१.१० स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१७	१.१.१.११ अतिरिक्त समय भन्दा (अतिरिक्त समय भन्दा)	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१८	१.१.१.१२ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
१९	१.१.१.१३ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
२०	१.१.१.१४ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
२१	१.१.१.१५ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१
२२	१.१.१.१६ स्थानीय अन्तःस्थानीय भन्दा	संख्या	०	०	०	१	१	१	१	१	१	१	१	१	१	१	१	१	१	१

मिति २०७५/०५/३०

पान नं. १ / ४

वार्षिक विकास कार्यक्रम
बजेट तर्जुमासंग सम्बन्धित वार्षिक प्रशासन नियम २०(१) बमोजिम फारम

कार्यक्रम / क्रियाकलाप	आयोजनाको रूप दिनुपर्ने कार्यहरू			सम्पूर्ण कार्य सम्पन्न गरी आ. व. सम्मको			वार्षिक लक्ष्य			प्रथम वार्षिक			दोस्रो वार्षिक			तेस्रो वार्षिक			कैतिखन	
	परिमाण	भार	लागत	परिमाण	भार	लागत	परिमाण	भार	लागत	परिमाण	भार	लागत	परिमाण	भार	लागत	परिमाण	भार	लागत		
१. गोरु पौडी सेवारी साधन मर्मत(सेवारी साधन मर्मत)	३	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७	१८	१९	२०	२१	२२	
२. डुई पौडी सेवारी साधन मर्मत(सेवारी साधन मर्मत)																				
३. मोतीरी उपकरण मर्मत(सेवारी साधन मर्मत)																				
४. गोठ मर्मत(अन्य मर्मत)																				
५. सेवारी साधन तथा पशुको विमा(विमा सेवारी साधन)																				
६. कर्वालय मसालहरू समाप्त खर्च(कार्यालय मसालहरू समाप्त खर्च)																				
७. उपार्ज खर्च(उपार्ज खर्च)																				
८. हुलाक तथा कुटिन्त्यसका(उपार्ज खर्च)																				
९. पत्रपत्रिका तथा पुस्तक खर्च(उपार्ज खर्च)																				
१०. अन्न मासमान खर्च(अन्न मासमान खर्च)																				
११. ग्याँस(इन्धन, अन्य इन्धन)																				
१२. ग्यास मेटिडल																				
१३. सरसफाई सेवा कारार(सेवा कारार)																				
१४. कार्यालय सहयोगी कारार व्यक्ति कारार)																				
१५. सेवारी घासका कारार व्यक्ति कारार)																				
१६. इन्धन/तापनि(उद्यमशीलता, सेवारी मुलुक / सफाईकरण / सफाईकरण तथा क्षमता अभिवृद्धि तालिम)																				
१७. माछा पोषण पालन(अन्य)																				
१८. कार्यालय बिबरण/पत्रकारिता/कार्यालयको तालिम विविध खर्च(अन्य विविध खर्च)																				
१९. आत्मनिर्भर कार्यक्रम																				
२०. आन्तरिक व्यवहारिक र हस्त गार्डपलन तालिम(उद्यमशीलता, सेवारी मुलुक / सफाईकरण / सफाईकरण तथा क्षमता अभिवृद्धि तालिम)																				
२१. गार्डपलन व्यवस्थापन तालिम(उद्यमशीलता, सेवारी मुलुक / सफाईकरण / सफाईकरण तथा क्षमता अभिवृद्धि तालिम)																				
२२. विवर सम्पन्न गठन र संचालन(पत्र, उत्पादन)																				
२३. विवर सम्पन्न संचालन र पत्रोत्पादन(उत्पादन)																				
२४. कुटिन्त्य, क्यालिब्रेसन र औषधि उपचार सेवा(उत्पादन)																				
२५. सहयोगिता संचालन तथा उत्पादनको लागि विड भन्दा खर्च(पत्र, उत्पादन)																				
२६. कुटिन्त्य संचालन सेवा(उत्पादन)																				
२७. घासको विड उत्पादन(पत्र, उत्पादन)																				

वार्षिक विकास कार्यक्रम
बजेट तर्जुमासांग सम्बन्धित आर्थिक प्रशासन नियम २०(१) बमोजिम व फाराम

कार्यक्रम / क्रियाकलाप	आयोजनाको कुल क्रियाकलापको		सम्पूर्ण कार्य मध्ये तार आ. व. सम्मको		वार्षिक लक्ष्य		प्रथम त्रैमासिक		दोस्रो त्रैमासिक		तेस्रो त्रैमासिक		अभिव्यक्त					
	परिमाण	लागत	परिमाण	लागत	भार	बजेट	परिमाण	भार	परिमाण	भार	परिमाण	भार						
२	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७	१८	१९	२०	२१	२२
पर्यावरण धारको विड उत्पादन(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
जिरी फार्मा इलेवास विस्तार(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
चरन क्षेत्रमा अनाकसक झोडी पुटुपान हटाउने(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
खिन्नि गाई उपजम्न केन्द्रमा रागी साई पालन(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
वार्षिक पुस्तिका प्रकाशन(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
न्युनतम लागतमा गाई तथा बंगुर पालन सिपस्टेड बीमार प्रकाशन(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
कार्मिको विरोधी उपकरण उपकरण(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
गाई विरुद्ध म्याङ्कीको फार्म अन्तर्गत मरण(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
फार्म टिकारा(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
दुग्ध टिकारा(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
फार्म भुमार सफा तथा विमान सँग अन्तर्क्रिया(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
न्युनतमसम्म हडि व्यवस्थापनका लागि सेक्स सिमिन्ट जन्मेका कोली बण्डि (दुग्धको सफाई(पशु उत्पादन)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
जर्सी न्युनतमसम्म हडि व्यवस्थापन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
गाछगाछी उपकरण(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
साई वरु गाछ गाछी पालन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
सिन्टेसिन्ट गाछी पालन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
हिसो वीस उत्पादन (१५ हे मर्का ५ हे)(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
हे कनाउनी(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
साइलेज कनाउनी(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
हिसो वीस उत्पादन (१२ हे मर्का २.५ हे)(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
पाठ्याढी उत्पादन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
सिन्टेसिन्ट बंगुर खाँद र पालन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
खिन्नि गाई उपजम्न केन्द्रमा रागी साई पालन(अन्य)	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
कार्यालय सञ्चालन(अन्य)मृत्युङ्कन तथा कार्यक्रम कार्यालय	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
खिन्नि गाई उपजम्न केन्द्रमा चरन क्षेत्र विस्तार (अन्य)मृत्युङ्कन तथा कार्यक्रम कार्यालय	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
मृत्युङ्कन तथा कार्यक्रम कार्यालय	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
कार्यालय (अन्य)मृत्युङ्कन तथा कार्यक्रम कार्यालय	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०
खिन्नि गाई उपजम्न केन्द्रमा रागी साई पालन(अन्य)मृत्युङ्कन तथा कार्यक्रम कार्यालय	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०	०

बजेट फारम नं. ६.४.१
रा.व्य.आ.फारम १
पाना नं. १/२

वार्षिक विकास कार्यक्रम
बजेट तर्जुमासंग सम्बन्धित आर्थिक प्रशासन नियम २०(१) बमोजिमव फारम

कार्यक्रम / क्रियाकलाप	खर्च शीर्षक	इकाई	आयोजनाको मुल क्रियाकलापको		सम्पूर्ण कार्य मध्ये गत आ. व. सम्बन्धको		आर्थिक लक्ष्य		प्रथम चौमासिक		दुस्रो चौमासिक		तेस्रो चौमासिक		केन्द्रिय					
			भार	सागत	भार	सागत	परिमाण	शत	भार	शत	भार	शत	भार	शत		भार	शत			
२			५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	१७	१८	१९	२०	२१	२२
सूक्ष्म गन्धौन सेवा(आन्तरिक अमण)		पटक	०	०	०	०	०	०.१०	०.२७	१.१	३	०.०७	०.५	०.१२	३	०.०७	०.५	०.०७	०.३	
गन्धौ तथा तालिममा आग लिन(आन्तरिक अमण)		पटक	०	०	०	०	०	०.१५	०.१५	०.६	१	०.०४	०.१५	१	०.०४	०.१५	०.१५	०.०७	०.३	
गाइ चिडर सम्बन्धी फार्म अवलोकन अमण(आन्तरिक अमण)		पटक	०	०	०	०	३०	३०	०.२२	०.९	३	३०	०.२२	०.९	३	३०	०.२२	०.९	३	
वार्षिक पुस्तिका प्रकाशन(आन्तरिक अमण)		संख्या	०	०	०	०	१	१	०.०४	०.१५	१	०.०४	०.१५	१	०	०	०	०	०	
चिडर सम्बन्धी गठन र संचालन(आन्तरिक अमण)		पटक	०	०	०	०	१२	१२	०.०९	०.३६	६	०.०४	०.१८	६	०.०४	०.१८	६	०.०४	०.१८	
मा आलतिम्वर कार्यक्रम		पटक	०	०	०	०	१	१	०.७५	१६.२८	३	०	५.८५	३	०	१०.५३	३	०	०	
वंगुरु पालन तालिम (१ दिन)(उदयशोला, रोजगारी मुलक / सशक्तिकरण / सीप विकास तथा क्षमता अभिवृद्धि तालिम)		पटक	०	०	०	०	१	१	०.८७	३.५	०	०	१	०.८७	३.५	०	०	०	०	
आवधिक वंगुरु पालन व्यवहारिक र हस्त तालिम(उदयशोला, रोजगारी मुलक / सशक्तिकरण / सीप विकास तथा क्षमता अभिवृद्धि तालिम)		पटक	०	०	०	०	१	१	०.८७	३.५	०	०	१	०.८७	३.५	०	०	०	०	
वंगुरु चिडर सम्बन्धी गठन तथा संचालन(रा.उत्पादन)		संख्या	०	०	०	०	१	१	०	४	१	१	०.२५	१	०.२५	१	०	०	०	
पूर्वअवस्था वंगुरु चिडर सम्बन्धी फलोअप कार्यक्रम(रा.उत्पादन)		पटक	०	०	०	०	२	२	०.५	२	१	०.२५	१	०.२५	१	०.२५	१	०	०	
रक्तडिण्डा अनुगमन(पशु उत्पादन)		पटक	०	०	०	०	२	२	०.०५	०.२	१	०.०२	०.१	१	०.०२	०.१	१	०	०	
इन्टिक्वा, ह्याक्सिन्टिक्वा, औषधि उपचार सेवा(पशु उत्पादन)		पटक	०	०	०	०	२	२	०.३७	१.५	१	०.१९	०.७५	१	०.१९	०.७५	१	०	०	
वंगुरु चिडर सम्बन्धी फार्म अवलोकन अमण(रा. उत्पादन)		पटक	०	०	०	०	१	१	०.५	२	०	०	१	०.५	२	०	०	०	०	
रिन्सकन्ट वंगुरु चिडर र पालन(आन्तरिक अमण)		संख्या	०	०	०	०	१	१	०.०९	०.०३	०	०	१	०.०९	०.०३	०	०	०	०	
वंगुरु चिडर सम्बन्धी फार्म अवलोकन अमण(आन्तरिक अमण)		पटक	०	०	०	०	१	१	०.०९	०.०५	०	०	१	०.०९	०.०५	०	०	०	०	
वर्षे कार्यक्रमको जम्मा:																				
वर्षे																				
नाम, पद र दस्तखत :																				

प्रमाणित गरिने नाम, पद र दस्तखत:

मिति :

मिति :

Annex 2 Financial Details

आ.ब. २०७५/७६ को वार्षिक बजेट, निकास, र खर्च तथा राजस्व विवरण

बजेट शिर्षक नं. अनुसार

आयोजना/ कार्यक्रमको नाम: पशु पन्छी सात व्यवस्थापन तथा प्रबर्धन कार्यक्रम गाइ अनुवांशिक सात केन्द्र जिरी दालखा

बजेट उपशिर्षक नं. ३१२१६८

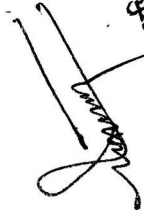
क्र.सं.	कार्यालयको नाम	बजेट उपशिर्षक नं.	तेस्रो चौमासिक विनियोजित बजेट रु	तेस्रो चौमासिक विनियोजित खर्च रु	वार्षिक विनियोजित बजेट रु	वार्षिक खर्च	खर्चको प्रतिशत वार्षिक तुलनामा	कैफियत
१	गाइ अनुवांशिक सात केन्द्र जिरी दालखा	३१२१६८- ३ (चालु)	८४०९०००	११०३९१४०.७	३१०९४००.००	३,०४,९४१४०.७	९८.०७	
		३१२१६८- ४ (पुर्जगत)	१५२६०००	७३४६६३४	८९८०००.००	७७,०३,३७९	८५.७८	
	जम्मा		९९,३५,०००	१,८३,८५,७७४.७	४००,७४	३,८१,९७५,९१०	९५.३१	

राजस्व विवरण

क्र.सं.	तेस्रो चौ राजस्व	वार्षिक राजस्व रु
१	रु. २१,३५,९२८.५	रु. ६०,१४,०२९

वेरजु विवरण

क्र.सं.	आ व २०७३/७४ सम्म नियमित	जम्मा वेरजु रु	कैफियत
	२४२२७४	२१८२२७४	सम्पत्तिको लागि प्रकृया अघि बढाइएको


 उपरि उल्लेखित राजस्व विवरण सत्य र सही छ



वार्षिक विकास कार्यक्रम

बजेट तर्जुमसंग सम्बन्धित आर्थिक प्रगति प्रतिवेदन २०१९। बजेट/वित्तिय फारम

- १०) वार्षिक बजेट (रु) ४००.७४
- क) आन्तरिक: १) नेपाल सरकार ४००.७४
- २) स्थानीय विकास/ संस्था: ०
- ३) जनसहभागिता: ०



स्थान: का) जिल्ला: दोलखा
 आयोजना शुरू भएको मिति: वि.सं.
 आयोजना पूरा भएको मिति: वि.सं.
 आयोजना/ कार्यालय प्रमुखको नाम: श्री शंकर साह

कार्यालय आयोजना: पशु पन्छी स्यात व्यवस्थापन तथा प्रबर्धन कार्यक्रम (गाइ अणुवैशिक स्यात केन्द्र चिदि बालखा)

ग) सटही दुर:
 वा) वैदेशिक: अनुदान
 वा) वैदेशिक:
 १२) गत आ.व सम्मको खर्च (रु) (सोपे भुक्तानी तथा वस्तुगत समेत)
 क) आन्तरिक १) नेपाल सरकार:
 २) स्थानीय विकास/ संस्था:
 ३) जनसहभागिता:
 (ख) वैदेशिक १) ऋण:

क्र.सं	कार्यक्रम/ विवरण	वर्ष	प्रकार	आयोजनाको कुल		सम्पन्न		प्रथम		दोस्रो		तेस्रो		वार्षिक		टिप्पणी
				परिमाण	लागत	परिमाण	लागत	परिमाण	बजेट	परिमाण	बजेट	परिमाण	बजेट	परिमाण	बजेट	
१	२	३	४	५	६	७	८	९	१०	११	१२	१३	१४	१५	१६	
६२२३०	अ) सुदूरपश्चिम क्षेत्र अन्तर्गतका कार्यक्रमहरू	२०१९	संस्था					१	३.५	१०						
	अधुना कार्यालय भवन निर्माण (सुदूरपश्चिम प्रदेश)		पटक													१०.७३
	कार्यालयको टेब निर्माण		पटक													१.९२
	नया गाई गोठमा सेवादायि निर्माण															१.९२
६२२३०	सोलाह जडान तथा वाटर वापरम निर्माण (सुदूरपश्चिम सुधार खर्च)	२०१९	संस्था					०	०.६२	३.२७						१
६२२३०	चान्द खर्कामा मुनिगत गाडी निर्माण (सुदूरपश्चिम सुधार खर्च)	२०१९	पटक					१	१.२५	५						१
	सिपनी बाख्राको लामा सेवादायि निर्माण		पटक					३	३.५							१
	का) सुदूरपश्चिम क्षेत्र अन्तर्गतका कार्यक्रमहरू															
	का) पावु खर्च अन्तर्गतका कार्यक्रमहरू															
६२२३५	राध कृतिव (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	२.१						१
६२२३६	राध कृतिव (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	१.५५						१
६२२३७	राध अन्न प्रथम (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	२.१९						१
६२२३८	राध अन्न द्वितीय (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	१.३६						१
६२२३९	राध अन्न तृतीय (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	२.७३						१
६२२४०	राध अन्न चतुर्थ (आ./स्वायी) कर्मचारी	२०१९	जना					४	४.५५	२.७३						१
६२२४१	हास चा तृतीय श्रेणी (स्वायी) कर्मचारी	२०१९	जना					०	०.३९	१.५५						१
६२२४२	हास चा तृतीय श्रेणी (स्वायी) कर्मचारी	२०१९	जना					१०	१०.७४	३.६६						१
६२२४३	स्वायी भन्ना (स्वायी) भन्ना	२०१९	संस्था					१०	१०.७४	३.६६						१
६२२४४	महंगी भन्ना (महंगी) भन्ना	२०१९	संस्था					१०	१०.७४	३.६६						१
६२२४५	अतिरिक्त समय भन्ना (अतिरिक्त समय भन्ना)	२०१९	संस्था					६	६.०५	३.६६						६
६२२४६	स्वायी कर्मचारीहरूको पोशाक भन्ना (पोशाकभन्ना)	२०१९	संस्था					४	४.०५	३.६६						४
६२२४७	हास महाकुल (हासको महाकुल)	२०१९	मिति					४	४.०५	३.६६						४
६२२४८	विद्युती महाकुल (विद्युती महाकुल)	२०१९	मिति					४	४.०५	३.६६						४
६२२४९	सिपनी तथा अन्य उपकरण सेवादायि (सिपनी महाकुल)	२०१९	मिति					२	२.०२	३.६६						२
६२२५०	देविकान महाकुल (देविकान महाकुल)	२०१९	मिति					२	२.०२	३.६६						२

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क्र.सं.	विवरण	प्रकार	मात्रा	दर	कुल	विवरण	प्रकार	मात्रा	दर	कुल	विवरण	प्रकार	मात्रा	दर	कुल
२२२२३	भित्रा/इन्टरनेट/वेबसाइट (सीवा, इन्टरनेट/वेबसाइट)		२२२२३	०.१५	३३३.४५										
२२२२४	मोटरसाइलको लागि (टोल/कार्यालयको इन्धन)		२२२२४	०.२५	५५५.००										
२२२२५	अन्य गिफ्त आउप ब्रेक आउप (कार्यालयको इन्धन)		२२२२५	०.०५	१०५.००										
२२२२६	ट्र्याक्टर/कार्यालयको इन्धन		२२२२६	०.३५	७३५.००										
२२२२७	घर पागे स्वारी साधन मर्मत (स्वारी साधन मर्मत)		२२२२७	०.३५	७३५.००										
२२२२८	दुक पागे स्वारी साधन मर्मत (स्वारी साधन मर्मत)		२२२२८	०.३५	७३५.००										
२२२२९	सम्पत्ती उपकरण मर्मत (स्वारी साधन मर्मत)		२२२२९	०.३५	७३५.००										
२२२३०	गोठ मर्मत (अन्य मर्मत)		२२२३०	०.३५	७३५.००										
२२२३१	स्वारी साधन तथा पुष्पको (विमा/बीमा स्वारी साधन)		२२२३१	०.३५	७३५.००										
२२२३२	कार्यालय मसल्ट सामान खर्च (कार्यालय मसल्ट सामान खर्च)		२२२३२	०.३५	७३५.००										
२२२३३	छापाई खर्च (छापाई खर्च)		२२२३३	०.३५	७३५.००										
२२२३४	हुलाक तथा कुनिसर सेवा (छापाई खर्च)		२२२३४	०.३५	७३५.००										
२२२३५	पत्रपत्रिका तथा प्रसूक खर्च (छापाई खर्च)		२२२३५	०.३५	७३५.००										
२२२३६	अन्य माससामान खर्च (अन्य माससामान खर्च)		२२२३६	०.३५	७३५.००										
२२२३७	म्यसि (दुपचन - अन्य प्रयोजन)		२२२३७	०.३५	७३५.००										
२२२३८	कै.जी.		२२२३८	०.३५	७३५.००										
२२२३९	सरसफाई सेवा करार (सेवा करार)		२२२३९	०.३५	७३५.००										
२२२४०	कार्यालय सहयोगी करार (व्यक्ति करार)		२२२४०	०.३५	७३५.००										
२२२४१	स्वारी चालक करार (व्यक्ति करार)		२२२४१	०.३५	७३५.००										
२२२४२	कम्प्युटर तालिम (उपकरण/सामान) / सवायिकरण (सीपा विकास तथा क्षमता अभिवृद्धि तालिम)		२२२४२	०.३५	७३५.००										
२२२४३	महत्त्वपूर्ण सामान (अन्य)		२२२४३	०.३५	७३५.००										
२२२४४	कार्यालय बजेट/अन्य प्रयोजन		२२२४४	०.३५	७३५.००										
२२२४५	उपभोग अन्तर्निहित कार्यक्रम		२२२४५	०.३५	७३५.००										
२२२४६	आवृत्तिय खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२४६	०.३५	७३५.००										
२२२४७	गार्ड/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२४७	०.३५	७३५.००										
२२२४८	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२४८	०.३५	७३५.००										
२२२४९	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२४९	०.३५	७३५.००										
२२२५०	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५०	०.३५	७३५.००										
२२२५१	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५१	०.३५	७३५.००										
२२२५२	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५२	०.३५	७३५.००										
२२२५३	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५३	०.३५	७३५.००										
२२२५४	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५४	०.३५	७३५.००										
२२२५५	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५५	०.३५	७३५.००										
२२२५६	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५६	०.३५	७३५.००										
२२२५७	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५७	०.३५	७३५.००										
२२२५८	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५८	०.३५	७३५.००										
२२२५९	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२५९	०.३५	७३५.००										
२२२६०	विद्युत सफाई/अन्य खर्च/संयोजक २ हप्ते गर्दा/अन्य तालिम (उपकरण/सामान) / सवायिकरण / सीपा विकास तथा क्षमता अभिवृद्धि तालिम		२२२६०	०.३५	७३५.००										

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<https://edolakha.com/news/>

गाईको दुध उत्पादन बढाउन जिरीमा जमरा प्रविधिको घाँस

10 months ago/Wednesday, February 6th, 2019



दुर्गा बस्नेत ।

जिरी (दोलखा), २३ माघ ।

दोलखाको पर्यटकीय नगरी जिरीमा रहेको गाई आनुवांशिक स्रोत केन्द्रले नेपालको सरकारी फार्महरूमा पहिलोपटक हरियो घाँस उत्पादनका लागि जमरा प्रविधि सुरु गरेको छ ।

केन्द्रले 'हाईड्रोपोनिक्स मिल्किंग मेसिन मिल्क एनालाइजर सोलार वाटर' सञ्चालनमा ल्याएसँगै नेपालमै पहिलो पटक हरियो घाँस उत्पादनका लागि जिरीमा जमरा प्रविधि सुरु भएको हो । सो मेसिन तीन वर्षदेखि जडान भए पनि यसअघि सञ्चालनमा आउन सकेको थिएन । सो मेसिनमार्फत एक किलो अन्नबाट एकसातामा ५ किलो जमरा उत्पादन गर्न सकिनेछ । गाई आनुवांशिक स्रोत केन्द्र जिरीले फार्म दिवसको अवसरमा चालु आर्थिक वर्षको ४ महिनाको प्रगति विवरण सार्वजनिक गर्दै यस्तो जानकारी गराएको हो ।

मेसिन जडान भएर हरियो घाँस उत्पादन भएसँगै दुध उत्पादनमा समेत बृद्धि भएको गाई आनुवांशिक स्रोत केन्द्र जिरीका प्रमुख शंकर शाहले जानकारी दिनुभयो । उहाँका अनुसार गत वर्षको चार महिनाको अवधिको तुलनामा चालु वर्ष गाईको दुध उत्पादनमा ४६ प्रतिशतले र उत्पादकत्वमा ३१ प्रतिशतले बृद्धि भएको छ । उत्पादनमा बृद्धि भएसँगै राजश्व समेत बढेको छ । गत वर्षको चार महिनाको तुलनामा चालु वर्षको सोही अवधिमा राजश्वमा २७ प्रतिशतले बृद्धि भएको केन्द्रले जनाएको छ ।



७९ वटा जर्सी क्रॉस गाई

आनुवांशिक स्रोत केन्द्र जिरीमा हाल ७९ वटा जर्सी क्रॉस जातका गाईहरू रहेका छन् । ती मध्ये ३७ वटा गाई दुधालु रहेको छ भने २० वटा गर्भिणी गाई तथा २ वटा साँढे र २० वटा बाछाबाच्छी रहेका छन् । जिरी बजार नजिक ८५ हेक्टर जमिनमा करिब ५६ वर्षअघि स्थापना गरिएका महत्त्वपूर्ण संरचना समेत रहेको आनुवांशिक स्रोत केन्द्रसँग कम्तीमा ५ सय गाई तथा सोही संख्यामा बंगुर पालन गर्न सक्ने क्षमता भएपनि हाल ७९ वटा गाई तथा १७ वटा पोथी र ३ वटा भाले गरी जम्मा २० वटा बंगुर मात्रै रहेका छन् । पर्यटकीय नगरी जिरीमा पशुविकास फार्मको रूपमा स्थापना भएको फार्म २०२० साल माघ २३ गते राजा महेन्द्रबाट समुद्धघाटन भई नेपाल सरकारको मातहतमा सञ्चालन भईरहेकाले सोही दिनलाई आधार मानेर यो वर्षबाट स्थापना दिवस मनाउन सुरु गरिएको हो ।

बाहिरी चहलपहल बढेको भन्दै असन्तुष्टि

दोलखाको पर्यटकीय नगरी जिरीमा स्थापना भएको गाई आनुवांशिक स्रोत केन्द्रले आज फार्म स्थापना दिवस मनाएको छ । केन्द्रले आज जिरीस्थित गाई आनुवांशिक स्रोत केन्द्रमा एक कार्यक्रमको आयोजना गरी फार्म दिवस मनाएको हो । कार्यक्रमको जिरी नगरपालिकाका मेयर टंक जिरिलले उद्घाटन गर्नुभयो । कार्यक्रममा उद्घाटन मन्तव्य व्यक्त गर्दै जिरी नगरपालिकाका प्रमुख जिरिलले जिरीमा सञ्चालित आनुवांशिक स्रोत केन्द्रमा बाहिरी चहलपहल बढेको भन्दै असन्तुष्टि व्यक्त गर्नुभयो ।



फार्म स्थापना दिवसमा कर्मचारीलाई सम्मान

कार्यक्रमको अवसरमा गाई आनुवांशिक स्रोत केन्द्रका पुर्य कर्मचारीहरू शेर बहादुर जिरिल, नर बहादुर जिरिल, धन बहादुर जिरिल, नेत्र बहादुर खत्री, दिल बहादुर खड्का, झण्ड बहादुर खड्का, छत्र बहादुर जिरिल, इन्द्र बहादुर जिरिल, केशर बहादुर जिरिल, चक्रमान जिरिल, अनराज कार्की लगायतलाई सम्मान गरीएको थियो । दिवसको अवसरमा जिरी नगरपालिका वडा नम्बर ५ मा रहेको दुंगे माथिमा सञ्चालन गरीएको नियन्ध प्रतियोगिताका विजेताहरूलाई पुरस्कार समेत वितरण गरीएको छ । प्रतियोगितामा प्रथम भएकी अन्जना जिरिल, द्वितिय भएकी सितामाया जिरिल र तृतीय याडजी शेर्पालाई कार्यक्रमका प्रमुख अतिथि जिरिलले पुरस्कार वितरण गर्नुभयो ।

जिरी नगरपालिका वडा नम्बर ६ का वडाध्यक्ष गोपाल कार्कीको अध्यक्षतामा सम्पन्न कार्यक्रममा राष्ट्रिय पशुपक्षि स्रोत व्यवस्थापन तथा प्रयत्न कार्यालयका प्रमुख पशु विकास अधिकृत रुद्र प्रसाद पौडेल, जिल्ला समन्वय समिति दोलखाकी उपप्रमुख मनमाया जिरिल, नेकपा जिरीका इन्चार्ज मित्र बहादुर जिरिल लगायत विभिन्न कार्यालयका प्रमुख एवम् प्रतिनिधिको उपस्थिति थियो ।

२३ माघ, २०७९ । ६: ३० बजे प्रकाशित ।

गाई आनुवांशिक केन्द्रमा भित्रियो हाइड्रो पौनिक मेसिन

■ बाबुराम शर्मा

जिरी, माघ २५ गते। दोलखाको जिरिस्थितको गाई आनुवांशिक स्रोत केन्द्रमा हाइड्रो फोनिक नामको नयाँ प्रविधिको मेसिन सञ्चालनमा आएको छ। यो मेसिनबाट बेमौसममा पनि हरियो ताजा घाँस उत्पादन गर्न सकिने केन्द्रले जनाएको छ।

पशु उत्पादन निर्देशनालयको आर्थिक सहयोगमा जडान गरिएको मेसिन सञ्चालनमा आएपछि दूध उत्पादनमा समेत वृद्धि भएको वरिष्ठ पशु विकास अधिकृत प्रमोदशङ्कर साहले बताउनुभयो।

साहका अनुसार उत्पादित जमरा घाँस खुवाएपछि दूध उत्पादनमा १५ प्रतिशतले वृद्धि भएको छ। गत चार महिनाको तुलनामा उत्पादनमा

छन्। मानिसले दुहुँदा दुई घण्टा लाग्नेमा यसबाट आधा घण्टामै हुन्छ। दूध आर्गानिक हुनुका साथै गाई तथा दूधमा कुनै किसिमको रोग लाग्ने सम्भावना हुँदैन, उहाँले भन्नुभयो।

वरिष्ठ पशु विकास अधिकृत साहका अनुसार हाइड्रो फोनिक मेसिनमा दैनिक पाँच सय किलो हरियो ताजा र पौष्टिकयुक्त घाँस उत्पादन गर्ने क्षमता रहेको छ। कन्टेनर किसिमको मेसिनसहितको करिब १३/३९ फिटको भवन रहेको छ। त्यो भवनभित्रै घाँस उमानै सात वटा लेयर छन्। एक लेयरमा २० वटा ट्रे राख्न सकिन्छ। एक लेयरबाट पाँच सय किलो हरियो घाँस उत्पादन हुने व्यवस्था छ। भवन हावाहुरी, पानी, घाम सबै प्रतिरोधक छ।

मेसिन जडान भएको भवनभित्र आवश्यक तापक्रम सिंचाइलगायतका सुविधा छन्। एक दिन बिराएर हरेक तहमा बीउ राख्नुपर्छ। उहाँले भन्नुभयो, पहिलो दिन राखिएको बीउ माथिल्लो तहमा सारेर तल्लो तहमा क्रमशः बीउ राख्दै जानुपर्छ।

सात दिन हुँदा पहिलो तह माथि पुगिसकेको हुने र त्यसमा हरियो घाँस तयार हुनेछ। यसरी नै विनामाटो शुद्ध र पौष्टिकयुक्त घाँस उत्पादन हुने गरेको उहाँले बताउनुभयो।

मकै, गहुँ, जै, घाँसलगायतका बीउलाई मिजाएर जुटको बोरामा राख्नुपर्छ। घाँस तयार पार्न दुसा आउन थालेपछि मेसिनमा राख्नुपर्ने उहाँले बताउनुभयो।

यो खाले मेसिन दोलखा र पोखरामा



हाइड्रो फोनिक मेसिनसहितको भवन। तस्वीरः बाबुराम शर्मा

भवनभित्रै घाँस उमानै सात वटा लेयर छन्। एक लेयरमा २० वटा ट्रे राख्न सकिन्छ। एक लेयरबाट पाँच सय किलो हरियो घाँस उत्पादन हुने व्यवस्था छ।

४६ प्रतिशतले वृद्धि भएको छ भने उत्पादकत्वमा ३५ प्रतिशतले वृद्धि भएको छ। राजस्वमा २७ प्रतिशतले वृद्धि भएको छ। योसँगै हाइड्रो फोनिकस मिलिकड मेसिन मिलिक एनालाइजर सोलार वाटर पनि सञ्चालनमा आएको छ। यसमा आठ वटा पकेट

एउटा/एउटा जडान भइसकेका छन्। दोलखामै कृषकस्तरमा पनि सानो खाले हाइड्रो फोनिक मेसिन १० घण्टा मित्रिएको बताइन्छ।

गत सालदेखि पशु विकास फर्मबाट रुपान्तरण मएर बनेको यो केन्द्र देशभर एउटा मात्रै छ। यहाँ अहिले साप्ताहिक ७९ वटा गाई छन्। दुहुँदा ३७ वटाबाट दैनिक २५० लिटर दूध उत्पादन हुने गरेको छ। २० वटा गर्भिणी गाई तथा दुई वटा साँढे र २० वटा बाछ्याबाच्छी रहेका छन्।

जिरी बजार नजिक ८५ हेक्टर जमिनमा करिब ५६ वर्षेअघि स्थापना गरिएका महत्त्वपूर्ण संरचना

समेत रहेको आनुवांशिक स्रोत केन्द्रसँग कम्तीमा पाँच सय गाई तथा सोही सङ्ख्यामा बुङ्गर पालन गर्न सक्ने क्षमता छ। केन्द्रले हाल १७ वटा पोथी र तीन वटा भाले गरी जम्मा २० वटा मात्रै बुङ्गर पालेको छ।

पर्यटकीय नगरी जिरीमा पशु विकास फार्मका रूपमा स्थापना भएको फार्म २०२० साल माघ २३ गते तत्कालीन राजा महेन्द्रबाट समुद्घाटन भई नेपाल सरकारको मातहतमा सञ्चालन भइरहेको छ। सोही दिनलाई आधार मानेर यो वर्षबाट स्थापना दिवस मनाउन शुरु गरिएको पनि उहाँले जानकारी दिनुभयो।

प्राविधिक ज्ञानविना

अज्ञान असुली न्यायाधिकरण



Reading about hay



Feeding hydroponics forage

