



## Promoting Dairy Value Chain to Secure Living Income of Small-Scale Farmers

The dairy sector is an integral part of farming systems and has created both direct and indirect employment opportunity, improved food security and enhanced supply of quality protein to people's meals, contributing country's economic growth, nutrition and reducing poverty level of Bangladesh. Due to increased population the demand of more milk encourages the small-scale farmers to engage with dairy farming to improve their livelihood

### Heifer International Bangladesh's Approach in Dairy Sector

To secure the living income of dairy farmers Heifer International Bangladesh has developed a year-round dairy development model for small-scale farmers who has around 20 decimals of land. This model is designed for generating livelihood support exclusively for poor and small-scale farmers. It has been observed that if a farmer invests \$3,774 over three years, he/she will be able to accumulate a profit of \$3,261 at the end of three years. To support this model Heifer International Bangladesh facilitated capacity building to the farmers, promoting best practices and affordable dairy finance for small scale dairy entrepreneurship development.

### Innovative Approaches/Best Practices

- ▶ Promote low cost improved cattle housing/ double manger housing
- ▶ Promote fodder cultivation and commercial fodder production
- ▶ Vertical fodder production to combat seasonal fodder scarcity
- ▶ Develop Community Agro Veterinary Entrepreneurs (CAVE) as model for primary healthcare and input services to the farmers
- ▶ Capacity building through farmers field school
- ▶ Promote animal health campaign
- ▶ Breed improvement by promoting AI services
- ▶ Access to affordable dairy Finance
- ▶ Local Processor/Entrepreneur Development
- ▶ Record keeping and market linkages

### 1. COW SELECTION

Selecting cross breed 1-3 milking cow, age between 1.5- 3 years, having prominent milk vein, spongy udder with equal quarter and teat and good body score, glossy skin, good productive record of ancestor

### 2. HOUSING

Low cost comfortable housing facility that ensure 24 hours feeding and drinking scope, sloping floor with gutter (drain) facility for cleanliness with feed alley

### 3. VACCINATION AND DEWORMING

Ensure regular scheduled deworming and vaccination maintaining proper doses and cool chain

## HEIFER' DAIRY Development Model

### 4. FEED MANAGEMENT

Feeding in 3 stages in 3 different periods; body maintenance (before pregnancy), pregnancy period and milking stage following the prescribed ration formula or depending on availability of ready feed in market and green fodder.

### 5. BREEDING, PREGNANCY AND CALF MANAGEMENT

Promote artificial insemination to improved dairy breed for higher milk production.

### 6. RECORD KEEPING AND MARKETING

Record keeping through simplified format and organize marketing through linkage with buyers.

## Overall Impact in Dairy Sector as of June-2019



3342 Dairy HHs secure living income by HIB's intervention



Facilitate 290 ha improved fodder production and 147 fodder entrepreneurs



Facilitate to develop 59 community agro veterinary entrepreneur (CAVE)



1313 No. of improved calf through ai services and 10% increase in cross breed cow number



Milk production increases 67% in local and 31% in cross breed cow



Reduced cattle mortality: 1.5% to 0.4%



25% Dairy herd size increased per farmer (From 1.6 to 1.85)



Capacity building through 47 farmers field school

Improved fodder cultivation



Double manger housing for dairy cow

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