



**MINISTRY OF AGRICULTURE AND RURAL DEVELOPMENT**



# **Advancing Meat-Oriented Beef Breeding Formulas and Some Recommendations for the Future of Beef Cattle Development in Vietnam**

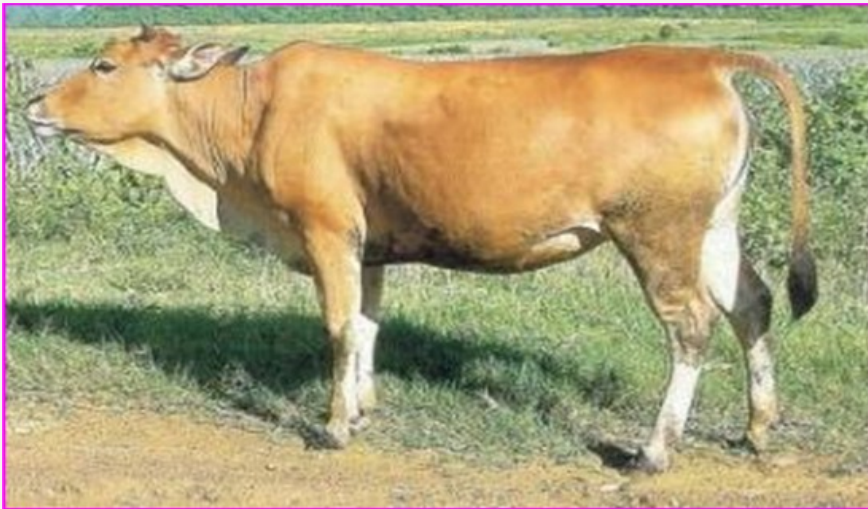
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Hà Nội, ngày 14-15 tháng 11 năm 2023



# Part 1

## Key Aspects of Cross-Breeding History for Enhanced Meat Yield in Vietnam

### STARTING POINT FOR BEEF CATTLE BREEDING IN VIETNAM: THE VIETNAM YELLOW CATTLE

#### Advantages:

- High Fertility
- Resilient
- Adapted to Vietnamese conditions

#### Disadvantages:

- Small frame
- Low meat and milk production capacity
- Low economic value

**=> NEED TO IMPROVE PRODUCTIVITY - QUALITY - ECONOMIC EFFICIENCY**

# BREEDING HISTORY IN VIETNAM

**Before 1970s**



**After 1970s**



**During 1970 – 2000**



**RED SINDHI**



**BRAHMAN (CU BA)**



**SAHIWAL**

**During 2001 – 2015**



**BRAHMAN (Australia, US)**



**DROUGHMASTER (Australia)**



**RED ANGUS (Australia)**

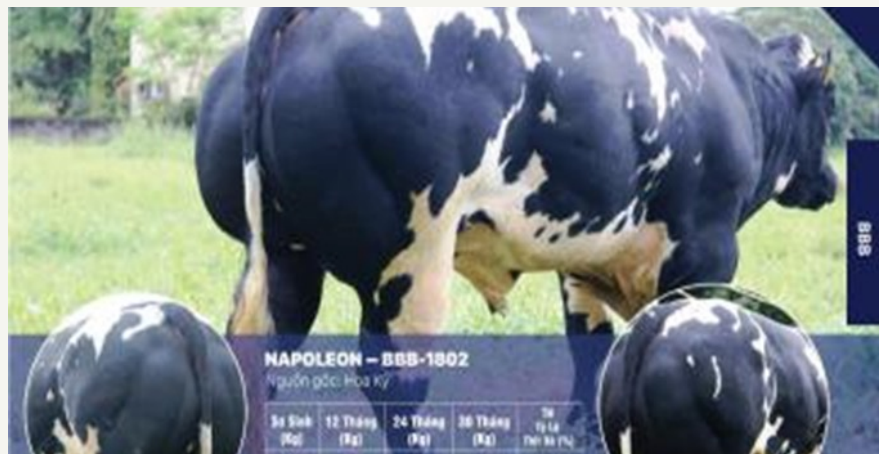
# FROM 2015

# TO

# PRESENT

## ADVANTAGES

- Less selective about feed, Fast growth
- High percentage of meat
- Good economic returns (short term)



- Proven breeds: Brahman, Red Angus, Droughtmaster
- High-yielding varieties: BBB, Charolais,...
- High quality breeds: Wagyu, Senepol

## DISADVANTAGES

- The breeding cow has to be big size
- Poorly adapted to Vietnam's weather
- Their F1 are not fertile



# FIRST FOUNDATION

PRODUCTION OF FROZEN SEMEN

VIỆT NAM 

DEVELOPMENT OF AI SYSTEMS NATIONWIDE

1970

Cuba helped Vietnam build the Ba Vi cattle breeding center which was subsequently renamed as the Moncada Frozen Semen Center

1977

Established Dairy Cattle and Dairy Buffalo company (Dong Nguyen, Tu Son, Bac Ninh)

2001

Established Central Cattle Breeding Technical Company

2007

Renamed into VINALICA, a public service unit, directly under the National Institute of Animal Science

# Vietnam Ruminant Breeding Center (VINALICA)

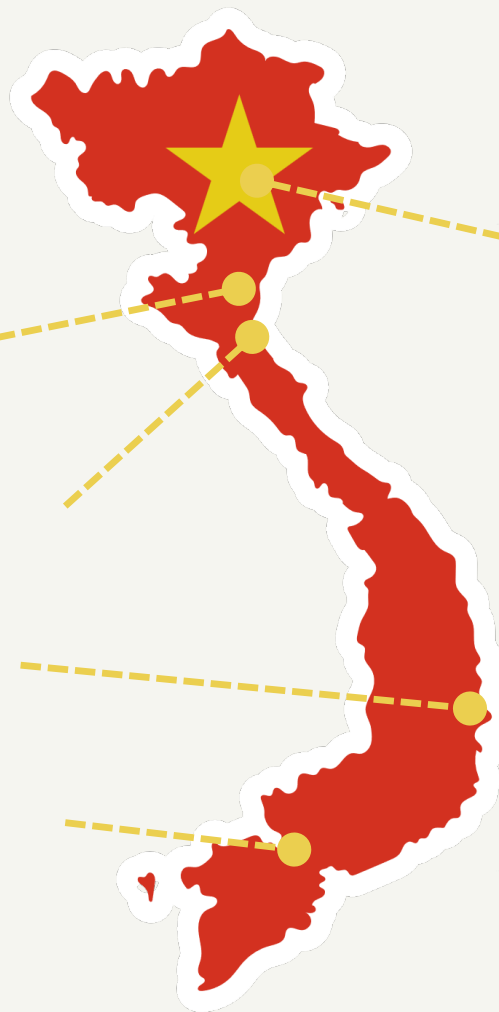
**Frozen semen  
distribution system  
VINALICA**

**Đức Hoàng Ltd  
(Bỉm Sơn, Thanh Hoá)**

**North Central Cattle Breeding JSC  
(Vinh, Nghệ An)**

**Central Region Cattle Breeding JSC  
(Nha Trang, Khánh Hoà)**

**GGs MN JSC; CNMN Development  
Company (HCMC)**

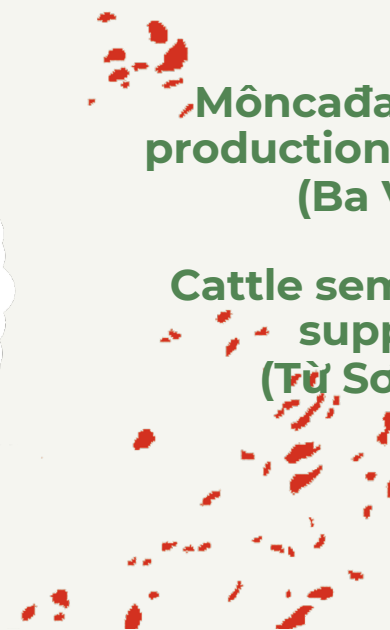


**Vietnam Ruminant  
Breeding Center  
(VINALICA )**

**Số 6, Nguyễn Công Trứ  
Hai Bà Trưng - Hà Nội**

**Môncađa Research and  
production of frozen semen  
(Ba Vì, Hà Nội)**

**Cattle semen storage and  
supply station  
(Tứ Sơn, Bắc Ninh)**





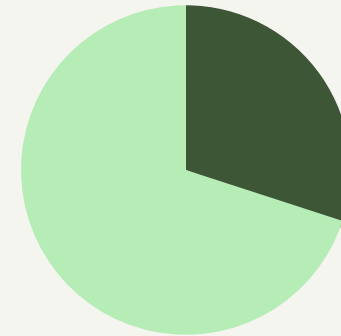
## PART 2

# RESEARCH RESULTS

As economic development increases, the demand for beef in society is growing, not only in terms of quantity but also in terms of quality. In 2022:

**+6.65** Million  
CATTLE

**+474** thousand  
TONS OF MEAT



**30%**  
MARKET DEMAND



### The beef ratio accounts for 6-8%

Research units of the Ministry and local authorities have dedicated their efforts to researching and effectively implementing various breeding techniques, resulting in enhanced livestock, increased productivity, and improved meat quality.



# Leading organisations

## IN RESEARCH AND APPLICATION



**Vietnam Ruminant  
Breeding Center**



**Ba Vi Cow and  
Pasture Research  
Center**



**Ruminant  
Research and  
Development  
Center (RRDC)**



**HANOI  
LIVESTOCK  
BREEDING JOINT  
STOCK COMPANY**

# IMPLICATIONS from research

- **(1) Crossbreeds with high meat yield:** high economic efficiency, currently popular.
- **(2) Crossbreeds with high-quality meat :** suitable for consumer tastes, but currently cannot be developed because meat's price is the same as other breeds
- **(3) Crossbreeds for breeding offspring has good fertility and improved physique:** remains unattractive due to low market value."



Crossbreeds from imported breeding bull with Zebu crossbreed with better growth and development in various rearing conditions.



## Part 3

# Recommendations

### Prospects for Beef Production with a Focus on Meat Quality in Vietnam's Future

#### Specific Policies

Assistance in breeding and keeping breeding cows

#### Monitor, training

Slaughter techniques and classification of meat cuts and selling prices are determined

#### Technical barrier

Control importing from grey traders

#### Tightly control

Prohibited substances, growth stimulants.



## PART 3

## Recommendations

### Prospects for Beef Production with a Focus on Meat Quality in Vietnam's Future

**Value chain Linkages** Attach Benefits and Responsibilities for All Parties

**Larger scale** Cut down transaction cost

**Effectively use** Main products and by-products in livestock

**Application** Suitable processing methods



# Recommendations on support from Australia

## **Support for breeding and cross-breeding:**

Providing Vietnam with good breeds of cows

**Support in training and monitoring:** training in slaughtering techniques, evaluation, classification, and identification of meat quality

## **Support the development of value chains for beef cattle**

**Providing processing technologies** to effectively exploit livestock products.



**THANK YOU**

FOR YOUR ATTENTION

