

## High Yield Hints – Domestication of Animals

Indian cows are cross bred with European breeds like Holstein, Brown swiss, Jersey, Red / Dane.

**Karan swiss and Sunandini** are breeds developed through cross breeding at National Dairy Research Institute Karnal and Kerala.

**Zebu cattles** are resistant to Rinderpest or Cattle plague, Foot and Mouth diseases.

**Exotic breeds** of sheep are Dorset, Horn and Merino.

### Breeds of Indian cattle

Milch breed                      Gir ( Rajasthan ), Sahiwal ( Punjab, Haryana, U.P ), Red sindhi ( A.P )

Draught breeds                Malvi ( Rajasthan, M.P ), Nageri ( Delhi, Haryana, U.P ), Hallikar ( Karnataka )

General breeds                Ongole ( A.P ), Kankref ( Gujarat ), Tharparkar ( A.P, Gujarat )

Sheep                              Nellore ( Maharashtra )

Poultry exotic breeds        White leghorn, Rhode Island Rod, Plymouth Rock, New Hampshire.

Fishery                            Bombay duck Harpodon. Marine form

Sericulture                      Tasar silk, Antherea roylei ( non mulberry ) Mulberry silk worm      Bombyx mori

### Interspecific hybridization

Male and females of two different species are mated. The progeny obtained from such a mating are usually different from both the parental species. Mule is produced from a cross between female horse ( Mare ) and male donkey. Mules are sterile, sturdier and hardier than their parental species.