

SELECTION AND JUDGING

Selection of an animal

Selection- It is a process by which an individual or breed gets preference than others to produce next generation. Here pedigree record and present performances should be considered.

Types of selection

1. Natural selection- Free mating
2. Artificial selection- Selective mating

Points to be considered during selection:

1. Individual choice
2. Known breed
3. New breed
4. Market demand
5. Climate
6. Feeds and feeding behavior (Grazing or stall feeding or tethering)
7. Digestion of animal
8. Utilization of nutrients
9. Health condition and disease prevention
10. Calf birth weight and mortality
11. Production record

Judging of dairy cow

Judging: A process by which the merit of an animal is estimated by its present performances to satisfy particular purpose.

Procedures:

1. Observation from
 - a) Both right and left side
 - b) Both front and back side
2. Examination of animal by hand
3. Use of score card
 - a) General appearance- 30
 - b) Dairy characters - 20
 - c) Body capacity - 20
 - d) Mammary system - 30

Total - 100

During using score card the animal judge should observe keenly all of its external body characteristics including milk production.

Judging of dairy cow:

SL. No.	Points	Description of points	Score
1.	General appearance	Attractive graceful appearance, femininity nature, harmonious correlation of different body parts. Head: clean-cut, broad muzzle with large nostrils. Strong jaw, bright eyes, bridge of nose is straight. Loin: Broad. Hip: Wide. Pin bone: Wide apart. Tail large and tapering with nicely balanced switch. Legs: Wide apart, squarely set. Hocks: Cleanly moulded. Hoof: Deep heel and level sole .	30
2.	Dairy Characters	Neck: Long and lean, blending into brisket, clean-cut throat and dewlap. Loose and angular body, skin hair pliable and fine, loose skin. Thigh: Wide apart providing sufficient space for the udder.	20
3.	Body Capacity	Relatively large body in proportion to size of animal. Barrel: Deep and large. Ribs: Wide apart, well sprung, flat and long. Heart girth: Large wide chest floor between front legs.	20

4.	Mammary System	Well developed and capacious udder. Quarters evenly balanced with strong attachment. Texture: Soft, elastic and well collapsed after milking. Teats: Uniform length and size, cylindrical shape and squarely placed. Mammary vein: Prominent, long branching and clearly defined. Milking of cow.	30
Total			100

Judging of Draft animal

<p>Procedures:</p> <ol style="list-style-type: none"> 1. Observation from- <ol style="list-style-type: none"> a) Right and left side b) Front and back side 2. Examination of animal by hand 3. Use of score card for its evaluation- <ol style="list-style-type: none"> a) General appearance -20 b) Head and neck region- 14 c) Fore quarter - 20 d) Body region - 10 e) Hind quarter - 26 f) Action - 10 <p style="text-align: right;">Total - 100</p>	 <p>Draft Animal</p>
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Judging of draft cattle (Bullock)

No.	Points	Description of points	Score
1.	General appearance	Impressive style, compact and muscular body, energetic and vigorous, balanced finishing of different body region, attractive individual, shows alertness etc.	20
2.	Head and neck	Head: Head is carried high, stumpy and thick horns, prominent fore head, wide muzzle, strong jaw, Neck: Strong crest or carriage, well developed dewlap up to brisket	14
3.	Fore quarters	Powerfull quarter with uniform sloping. Massive or moderately developed hump Leg: muscular and strong Knee: clear and moulded Hoof: hard and strong, two half should be even and flat	20
4.	Body	Body: deep and compact, Back: straight and smooth Loin: broad Chest floor: wide Skin: tight Flank: full Barrel: strongly attachment with the quarters Ribs: well arched	10
5.	Hind quarter	Powerfull sloping quarter Leg: muscular and straight Rump: wide Buttock: muscular and well developed Thigh: muscular and well fleshy Hock to pastern: perpendicular Hock: clearly and moulded Pin bone: Wide and appeard	26
6.	Action	Walk: fast freely with easy gait Shows no dullness or tiredness even work for a long time (6 hours) Temperament: not aggressive or firey Training: skilled and trained	10
7.	Others	Castration: late castration Age: 2 yrs suitable for starting work Height: 140 cm	Cons- idred
Total			100