**ICAR-NATIONAL BUREAU OF ANIMAL GENETIC RESOURCES**

**KARNAL‑132001 (HARYANA)**

BREED DESCRIPTOR for REGISTRATION

***Species:* DUCK**

**I. GENERAL DESCRIPTION**

1. Name of the Breed

2. Synonyms

3. Background for such a name/ origin

4. Since when the breed is known

5. Strains (or within breed types)

6. Most closely related breeds/populations

 (in appearance)

7. Origin of the breed (indigenous / exotic)

8. Origin if imported (name of the country)

9. a. Native tract of distribution in

 terms of longitude and latitude

 b. Approximate area of distribution (sq.km)

 c. Place(s) State:

 District(s):

10. Estimated Population

 a. Year of estimation

 b. Population

 c. Source/Reference

 11. a. Communities responsible for

 developing the breed

 b. Description of community

 (Farmers/Nomads/Isolated/Tribes)

12. Flock: Size Average: Range:

 Composition (%) Drakes: Ducks: Ducklings (<6mo)

13. Utility of the breed (egg/meat/game/others)

14. Feeding

15. Housing

16. Type of management

14. Any other information

**II. PHYSICAL CHARACTERS Male Female**

1. Plumage Colour
2. Plumage pattern
3. Bill colour
4. Skin colour
5. Shank colour
6. Eye colour
7. Feet/Web
8. Any other information
9. **PERFORMANCE**

1. Egg production characteristics

|  |  |  |  |
| --- | --- | --- | --- |
| Traits | Average | Range | N |
| 1. Age at first egg (days)
 |  |  |  |
| 1. Annual egg production
 |  |  |  |
| 1. Age at culling (days)
 |  |  |  |
| 1. Clutch size (days)
 |  |
| 1. Clutch interval (days)
 |  |
| 1. Laying cycle (months)
 |  |

1. Egg quality traits

|  |  |  |  |
| --- | --- | --- | --- |
| Traits | Average | Range | N |
| 1. Egg weight (g)
 |  |  |  |
| 1. Shell weight (g)
 |  |  |  |
| 1. Albumen weight (g)
 |  |  |  |
| 1. Yolk weight (g)
 |  |  |  |
| 1. Shell thickness (mm)
 |  |  |  |
| 1. Specific gravity
 |  |  |  |
| 1. Albumen index
 |  |  |  |
| 1. Yolk index
 |  |  |  |
| 1. Haugh units
 |  |  |  |
| 1. Shell colour (white/brown / cream or tinted/other)
 |  |
| 1. Albumen quality (thick/thin)
 |  |
| 1. Egg inclusion bodies (Blood spots/meat spots)
 |  |

3. Reproduction characteristics

 a) Broodiness

 b) Fertility and hatchability percentage (under natural hatching/incubation)

|  |  |  |  |
| --- | --- | --- | --- |
|  | Average | Range | N |
| Fertility (%) |  |  |  |
| Hatchability on FES (%) |  |  |  |
| Hatchability on TES (%) |  |  |  |

4. Growth characteristics

 a) Body weight

|  |  |  |  |
| --- | --- | --- | --- |
| Body weight at | Average | Range | N |
| Hatching (g) |  |  |  |
| 4 weeks (g) |  |  |  |
| 8 weeks (g) |  |  |  |
| 12 weeks (g) |  |  |  |
| 6 months (kg) |  |  |  |
| 8 months (kg) |  |  |  |
| 12 months (kg) |  |  |  |

 b) Body measurements (cm):

|  |  |  |
| --- | --- | --- |
|  | Male | Female |
| Average | Range | N | Average | Range | N |
| Bill length |  |  |  |  |  |  |
| Bill width |  |  |  |  |  |  |
| Head length |  |  |  |  |  |  |
| Head width  |  |  |  |  |  |  |
| Neck length |  |  |  |  |  |  |
| Breast length |  |  |  |  |  |  |
| Body length |  |  |  |  |  |  |
| Wing span |  |  |  |  |  |  |
| Body circumference |  |  |  |  |  |  |
| Shank length  |  |  |  |  |  |  |

5. Mortality percentage

|  |  |  |  |
| --- | --- | --- | --- |
| Age  | Average | Range | N |
| 0-1 week |  |  |  |
| 1-8 weeks |  |  |  |
| 8-20 weeks |  |  |  |
| 6 – 12 months |  |  |  |

6. Carcass characteristics

|  |  |  |
| --- | --- | --- |
| Carcass Characters | Male | Female |
| Average | Range | N | Average | Range | N |
| Age at slaughter (days) |  |  |  |  |  |  |
| Weight (kg) | Hot |  |  |  |  |  |  |
| Cold |  |  |  |  |  |  |
| Dressing % | Hot |  |  |  |  |  |  |
| Cold |  |  |  |  |  |  |
| Meat bone ratio |  |  |  |  |  |  |

7. Stress tolerance

 Drought tolerance

Heat tolerance

1. Any other information