

DESCRIPTION OF CHICKEN VARIETY

RURAL/ BACKYARD CHICKEN VARIETY

I. GENERAL DESCRIPTION

1. Name of the Variety :
2. Background for such a name :
3. Name of organization :
4. Type of variety :
(Meat/Egg/Dual/Others, specify)
5. Specific purpose for which developed :
6. Unique characteristic of Variety :
7. Details of development of Variety :
(flow diagram of breeding plan with detail description)
8. Details of Parent Lines :
(Male line and Female line)
9. Any other information :

II. PHYSICAL CHARACTERS (For both, male and female, separately)

1. Feather characteristics
 - a) Morphology (Normal/Frizzle/ :
Silky/Others, specify)
 - b) Distribution (Normal/Naked neck/ :
Feathered shanks and feet/Beard/crest/Others, specify)
 - c) Growth rate (Fast/Slow) :
2. Colour
 - a) Plumage colour (White/Black/ Blue/ :
Red/Brown/Gold/Others, specify)
 - b) Plumage pattern (Solid/Dull/Stripped/ :
Patchy/Spotted/Barred/Others, specify)
 - c) Pattern within feather (Self-white/ :
Self-black/Self-blue/Self-red/Self-wheaten/
Barred/ Mottled/Others specify)
 - d) Skin colour (White/Yellow/Blue/ :
Black/Others, specify)
 - e) Shank colour (White/Yellow/Black/ :
Blue/Green/Others, specify)
 - f) Earlobe colour (White/Red/ :
Black/White & red/Others, specify)
 - g) Eye colour (Grey/Black/Brown/ :
/Others, specify)

3. Comb
 - a) Type (Single/Pea/Rose/Walnut/Cushion/Strawberry/Duplex/V-shaped/Double) :
 - b) Colour (Red/Black/Others, specify) :
 - c) Comb colour intensity (Dark/Medium/Light) :
 - d) Size (Large/Medium/Small) :
4. Wattles (Present/Absent) :
5. Other specific visible traits :

III. PERFORMANCE AT FARM

(Two evaluations are mandatory under farm)

- 1. Growth characteristics** (based on minimum of 250 records each for male and female up to 20 weeks of age, and thereafter 250 pooled records in each evaluation)

- a) Dual/ egg type rural Variety (Two evaluations are mandatory, separate table for each evaluations)**

[illegible][illegible]

Feed utilization (*based on minimum 100 females*)

Age in weeks	kg feed/kg gain		
	Mean±SE	Range	N
0-6			
0-8			
9-16			
kg feed/dozen eggs			
17-40			
41-72			

b) Broiler/Meat type rural Variety (Two evaluations are mandatory, separate table for each evaluations)

[illegible][illegible]

Body measurements (cm) (*based on minimum of 100 records*)

[illegible]

Feed utilization (*based on minimum of 50 males and 50 females*)

[illegible]

2. Carcass characters (based on minimum of 25 male birds for dual/ egg type variety and 25 male and 25 female birds for broiler variety, at 12 weeks of age)

Carcass characters		Male			Female		
		Mean	SE	N	Mean	SE	N
Live weight (g) at slaughter							
Carcass weight (g)							
Dressing %							
Meat: bone ratio							
Cut up parts (%)							
Breast							
Legs							
Wings							
Back							
Giblets (%)							
Heart							
Liver							
Gizzard							
Abdominal fat							
Carcass quality traits	Flesh Colour						
	Tenderness						
	Flavour						

3. Mortality (%)

Type of bird	Period		Male	Female	Pooled
Dual/ egg type	Brooding period (0-6 weeks)				
	Growing period (7 - 20 weeks)				
	Laying period (21-72weeks)				
Broilers/meat type	Brooding	0-5 weeks			
		0-6 weeks			
	Growing	6 - 12 weeks			
		7 - 12 weeks			

4. Egg Production parameters

Dual/egg type variety (based on minimum 100 females)

Production traits	Evaluation 1			Evaluation 2		
	Mean \pm SE	Range	N	Mean \pm SE	Range	N
Age at sexual maturity (in days)						
Egg Production (in no.) at						
40 wks						
52 wks						
64 wks						
72 wks						
Egg weight (g) at						
28 wks						
40 wks						
52 wks						
64 wks						
72 wks						

5. Special/ Unique characteristics (like disease resistance, stress tolerance etc., supported by proper scientific data).

IV. FIELD EVALUATION

A. Dual/ egg type rural variety

(Minimum of three separate evaluations under field conditions is mandatory. A minimum of 25 farmers with 15-20 birds/farmers is required in each evaluation. Three evaluations should be from different generations and at different places. Minimum of 75-100 farmers with total sample size of 1000- 1500 birds needs to be evaluated in three evaluations).

Field Evaluation: Dual/egg type variety

[illegible]

[illegible]

B. Broiler/Meat type variety

Field Evaluation: Broiler/Meat type variety

V. PACKAGE OF PRACTICES (Please describe)

1. Nursery rearing

Housing :

Brooding :

Feeding :

Health Care :

2. Free Range

Housing:

Health Care:

VI. ECONOMICS

Detailed economic analysis :

(Please provide details of Input, Output and Profit)

COMMERCIAL CHICKEN VARIETY FOR INTENSIVE FARMING

I. GENERAL DESCRIPTION

1. Name of the Variety :
2. Background for such a name :
3. Name of organization :
4. Type of variety :
(Meat/Egg/Dual/Others)
5. Specific purpose for which developed :
6. Unique characteristic of Variety :
7. Details of development of Variety :
(flow diagram of breeding plan with detail description)
8. Details of Parent Lines :
(Male Line and Female Line)
9. Any other information :

II. PHYSICAL CHARACTERS (For both, male and female, separately)

1. Feather characteristics
 - a) Morphology (Normal/Frizzle/ :
Silky/Others, specify)
 - b) Distribution (Normal/Naked neck/ :
Feathered shanks and feet/Beard/Crest/Others (specify)
 - c. Growth rate (Fast/Slow) :
2. Colour
 - a) Plumage colour (White/Black/Blue/ :
Red/Brown/Gold/Others, specify)
 - b) Plumage pattern (Solid/Dull/Stripped/ :
Patchy/Spotted/Barred/Others, specify)
 - c) Pattern within feather (Self-white/ :
Self-black/Self-blue/Self-red/Self-wheaten/
Barred/Mottled/Others, specify)
 - d) Skin colour (White/Yellow/Blue/ :
Black/Others, specify)
 - e) Shank colour (White/Yellow/Black/ :
Blue/Green/Others, specify)
 - f) Earlobe colour (White/Red/ :
Black/White & Red/Others, specify)
 - g) Eye colour (Grey/Black/Brown/ :
Others, specify)
3. Comb
 - a) Type (Single/Pea/Rose/Walnut/ :
Cushion/Strawberry/Duplex/V-shaped/double)
 - b) Colour (Red/Black/Others, specify) :

4. Wattles (present/absent) :
5. Other specific visible traits :

III. PERFORMANCE AT FARM

(Two evaluations are mandatory under farm)

- 1. Growth characteristics** (based on minimum of 250 records for male and 500 records for female up to 20 weeks of age, and thereafter 500 pooled records in each evaluation)

Commercial layer variety (Two evaluations are mandatory, separate table for each evaluation)

[illegible][illegible]

Production parameters (Two evaluations with a minimum sample size of 300 birds per generation)

[illegible]

52 wks									
64 wks									
72 wks									
C. Egg Weight (g) at									
28 wks									
40 wks									
52 wks									
64 wks									
72 wks									

Broiler/ Meat type commercial Variety (Two evaluations are mandatory, separate table for each evaluation)

Evaluation									
Body Weight (g) at	Male			Female			Pooled		
	Mean \pm SE	Range	N	Mean \pm SE	Range	N	Mean \pm SE	Range	N
Day old									
5 weeks									
6 weeks									

Body measurements (cm) for broiler variety (*based on minimum of 100 records*)

At	Keel length			Shank length			Breast angle		
	Mean \pm SE	Range	N	Mean \pm SE	Range	N	Mean \pm SE	Range	N
5 weeks									
6 weeks									

2. Carcass characters (*only for broiler variety, 25 male and 25 female birds -at 6 weeks of age*)

Carcass characters	Male			Female		
	Mean	SE	N	Mean	SE	N
Live weight (g) at slaughter						
Carcass weight (g)						
Dressing %						
Meat: bone ratio						
Cut up parts (%)						
Breast						
Legs						
Wings						
Back						
Giblets (%)						
Heart						
Liver						
Gizzard						
Abdominal fat						
Carcass quality traits						
Flesh Colour						
Tenderness						
Flavour						

3. Feed Utilization:

a. For layer (*based on minimum 100 females*)

Age in weeks	kg feed/kg gain		
	Mean \pm SE	Range	N
0-8			
9-16			
kg feed/dozen eggs			
17-40			
41-72			
17-72			

b. For broiler (based on minimum of 50 males and 50 females)

[illegible]

4. Mortality (%):

Type of bird	Period	Male	Female	Pooled
Layers/ egg type	Brooding period (0-6 weeks)			
	Growing period (7 - 20 weeks)			
	Laying period (21-72weeks)			
Broilers/ meat type	0 -5 weeks			
	0-6 weeks			

IV. FIELD EVALUATION

Commercial Layer variety

(Minimum of two separate evaluations under field conditions is mandatory. A minimum of 5 farmers with 500-1000 birds/farmer is required in each evaluation. Two evaluations should be from different generations and at different places. Minimum of 10 farmers with total sample size of 5000-10000 birds needs to be evaluated in two evaluations.

Field evaluation: Commercial Layer variety (only females)

[illegible]

40 wks									
72 wks									
B. Age at Sexual Maturity (in days)									
C. Egg Production (in no.) at									
28 wks									
40 wks									
52 wks									
64 wks									
72 wks									
D. Egg Weight (g) at									
28 wks									
40 wks									
E. Mortality, %									
0-6 wks									
7-20 wks									
21-72 wks									

Broiler/ Meat type commercial variety

(Minimum of two separate evaluations under field conditions is mandatory. A minimum of 10 farmers with 200-300 birds/farmer is required in each evaluation. Two evaluations should be from different generations and at different places. Minimum of 20 farmers with total sample size of 4000-6000 birds needs to be evaluated in two evaluations.

Field evaluation: Broiler/Meat type commercial variety

Particulars	Evaluation1			Evaluation 2			Pooled		
Place of evaluation									
No. of Birds evaluated									
No. of farmers									
Traits	Mean±SE	Range	N	Mean±SE	Range	N	Mean±SE	Range	N
Body weight (g) (pooled) at									
5 weeks									
6 weeks									
FCR									
Mortality %									
0-6 weeks									

V. PACKAGE OF PRACTICE (Please describe)

1. Nursery rearing

Housing :
 Brooding :
 Feeding :
 Health Care :

2. Growing:

Housing :
 Feeding :
 Management :
 Health Care :

VI. ECONOMICS

Detailed economic analysis

(Please provide details of Input, Output and Profit)