

It's amazing what we can build on the core bases



SOME VARIETIES BASED ON EXTENDED BLACK 'E'



Ancona



Barred Wyandotte



Blue (& Black & Chocolate) Orpington



Black (& White) Sumatra Game

SOME VARIETIES BASED ON GOLD-BIRCHEN 'ER'



Silver (& Gold) Sebright



Silver Sussex



Silver Spangled Hamburg



Brown-Red Old English Game



Black Wyandotte

SOME VARIETIES BASED ON WHEATEN 'eWh'

eWh



Rhode Island Red



Buff Orpington



Light Sussex



New Hampshire Red



17 Sulmtaler

SOME VARIETIES BASED ON WILD TYPE 'e+'

e+



Black-Red Old English Game



Pyle Old English Game



Crele Araucana



Red Dorking



18 Silver-Grey Dorking

SOME VARIETIES BASED ON PARTRIDGE BROWN 'eb'

eb



Partridge (&SP) Wyandottes



Gold (& all Laced) Wyandottes



Light (& Buff-Columbian) Brahma



Barnevelder



Vorwerk

Extension Locus (e)

Order of dominance:

E > ER > eWh > e+ > eb

This looks complex but isn't. If you cross a Wheaten Marans (eWh) with a Partridge Wyandotte (eb), the above order of dominance shows you that the Wheaten (eWh) will have most influence over plumage. Such a fowl is 'impure' or split at its core (e locus) and would be written out as: eWh/eb

Brown-Red Game Colour Genetics



Brown-Red Game Colour Genetics

E Locus (Core)	Birchen - Extension Restriction (ER/ER)
Gold or Silver?	Gold (s+)
Pattern Modifying genes	None
Colour Diluting / Intensifying genes	Arguably Dilute (Di)
Colour Inhibiting genes	None

**So first a fowl has to be 'something'
at the core (e locus) - even if it is
visually white**

**Then it is either Gold (as nature) or
Silver**

**Finally, it can have a number of colour /
pattern modifying genes to finalise the effect**

Buff Laced Genetics

Exhibition female



Exhibition male



Buff Laced Wyandotte Colour Genetics

E Locus (Core)	Partridge - Extension Brown (eb/eb)
Gold or Silver?	Gold (s+)
Pattern Modifying genes	Pattern gene (Pg/Pg), Melanotic (MI/MI), Columbian (Co/Co)
Colour Diluting / Intensifying genes	Arguably Mahogany (Mh)
Colour Inhibiting genes	1 dose of Dominant White (I/I+)

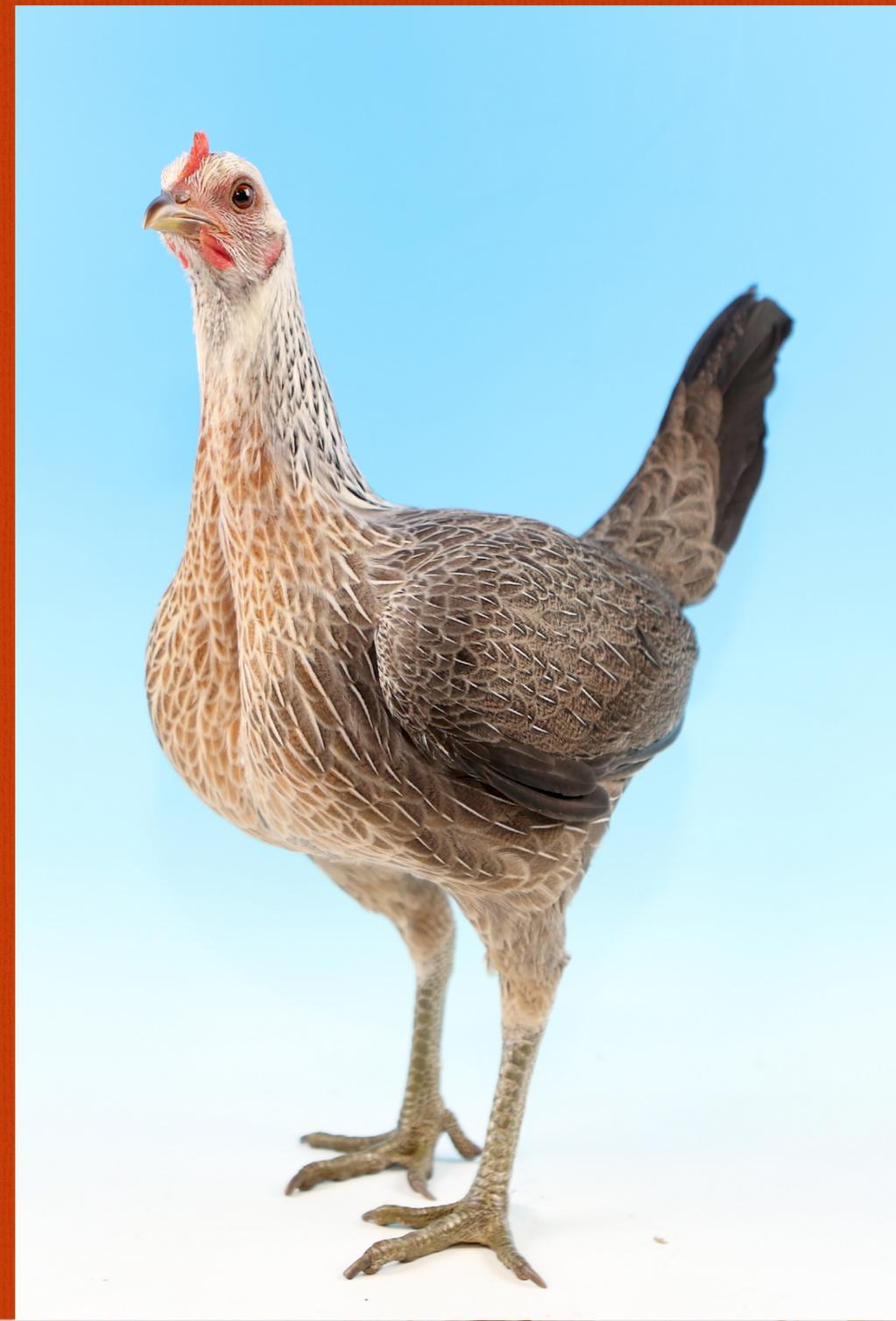
Gold into Silver

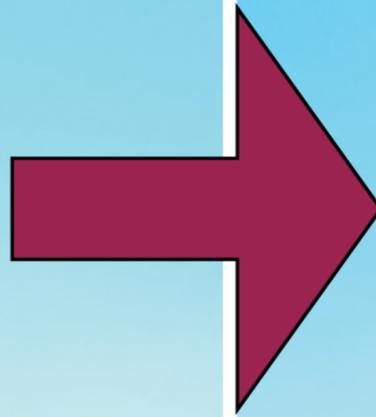


Crow-Wing Vs Duck-Wing



Their respective female partners





**Stripping out
Black Pigment**

