Xii(1. Anim, Prod.]009, 3(2):]/l - 227
l:2()09 1V/~e/r(1U. SOC/rIV jorA;lim,lll'rodllclioll

Nigerian Society for Animal Production

S-

Variation in growth performance of pure and crossbred meat type chickens

A. O.Addl;l:nbo, C. a.'N. Ikcobi, M. O. Ozojr, and Olu fUllll1ilayo, A. Adebambo

/)epW'lflleill 0/'·/ nillltll/Jreeding Ulld V'Cllelic:l:. College ~f.:lIli/l/(il. .)'t'/L!IIce ilnd Lives,/Ock Production, P. M. B, 12:j()!' Unil'ersiZv oj'AgricllltIlre, Abeuklira. Nigeria,

ff: '+)3 .f80 38 2395 ()3, .l!fIl ail: //lIIII ill //ildehtlfll h()I'a'Yuho() (O11I.

Abstract

(;(IIIr ie 1'111' i01iUII/ i'om 0, ciJIII hill 01iOII ()1:/iJ/lr !in: ec/soj cIII CÂ 1,1 I,:'/lluk 1IIan, IIIph a, Gir ira) a alld Norfllal indigeno//s. chickens) were eXa!IIi~1edfor illlPorlalld e of sire, .dum. s~a son and sex o~ gl'oll'lh IrQ/Is II,l'l'lng a M/;red-IIIodel Leasl-.5q·wres ami 1vfl/_'1:II~l/IIIII.Met/hood computer program. The resIIIISsiu;l\' 'hill sire alld dafll ,l!,.l!nOlype,';si?,nificrl'11/y (I'<IJ IJ,S) offected growth. Anak Titan cods ul1,l h,(;1IS'erjill'li/cclhc.I'I-i1I hodvll'ci,i.!.hqlJIV) ,1I'ilh 1'111//:,1 rtlll.l!,illr,.fi'O!11 38.45, ±'0.74g and ';0,21 ± li,6'6g a: dli';JoJd (I 1135. 0 335. 67g ond 953,38 '>5. 38g ;/1 week 12 respectively. Normal, 'inJigeiJO/ls ilnd .1lphcl imprtll'ed indikenolls f1er/Ol'illll.d hl!/ter in li,/eitr. hoJy paramelers, Genetic, 'correlalioil co'ej/icieills a/lTonl{ parameters/OI' all the breedl' wert'. .~c'lJ(',.ally Ngh. Positi~e estimat~~ "(II/gcdji-ollI O.15jii!" hreost girl" (nU) Clndkeel length (K I.) al week/ollr. to D, 99 for BG-KL at week twell'e. while negative valll.es ranged FOIII-O, 783 for hocv weight (B W) und wing length (WL), II'eek four to ~O99.!or nW~B(7 a~ 1.1.1'ek tll't;'/ve, Heritability. estillllIles/or body weight ranged from O,.f.f (/t \I'f!ek OIK' In 0,'\3 (II week ,'(Jlli: {I cal'/ he ninclltlded l!!elt <I1'/'/{'c'iuh!e varia:ivn exists lor ,!!,/'()\I'lh II'u/ls (1IJl'dl,!!,'lhc slrains IJ/t'llickell.::, ,\'IIeli, 1'.C/ri«(liu/II cu,i /'(' lilili:,·djcir imprvveinent in the '{)I'!!,H'nl (,/II'irlJIIIIlo/I/.

K'c~'words: Gcnctic 'vari;ltions. !:Icritabil'ity. Growth traits, Chickdls