



egkj'V^ajkT; eaik, tkusokysnsh eoſ'k; kadk Qak/kbfi d fooj.k%, d l ek{k

, ſo; kznk 1] l at ho fl g²

I kjlak

Hkkjr yxHkx 535-78 fefy; u i 'kq/kads l kFk nfu; k dsl cl scM^avkſ l cl sfofo/k i 'kqku ea l e) gA Hkkjr ea eoſ kh, d ceſk i 'kqku ctkfr gſ tksdſy i 'kqku vkcknh dk yxHkx 36% gA 20ohai 'kqku tux.kuk ds vuſ kj] egkj'V^aea13-99 fefy; u eoſ kh gſ ftuea l s9-38 fefy; u Lonſ kh vkſ 4-60 fefy; u fonſ kh vkſ 0, l cM eoſ kh gA okf'kd o'kk feeh ds cdkj] ouLifr vkſ Ql y i ſu/ ds vk/kkj ij egkj'V^a dksuſ—f'k&tyok; q{ks—kaeafokHkfr fd; k x; k gA bl tyok; qfofo/krk ds dſkj. k] LFkkuh; ekx ds vuſ kj fofHku eoſ'k; kadk vkcknh fodfl r dh xbZ gA dſy 53 i at h—r eoſ kh uLykaeal s7 uLyavFkr—Mkch] xſykvkſ f[RYy] yky ddkjh] nsuh] dkd. k dſy vkſ dFkuh egkj'V^a ea i kbZ tkrh gA ; suLyavke rkſ ij Hkkjokgd cdkj dh gkrh gA vkſ budk mi; kx ifjogu vkſ —f'k ds fy, fd; k tk l drk gA vl; eoſ'k; kadk vkcknh 1/4, ufmFLØIV 1/2 jkT; ds dſy eoſ'k; kadk yxHkx 67% gſ vkſ egkj'V^a Hkkjr dh dſy u, ufmFLØIV eoſ kh vkcknh ea 50aLFku ij gA Lonſ kh i 'kqku gekjsnſ k dh cfrdſy i fjlFkr; kads vuſ dſy gſ vkſ fofHku jkska ds cfr cfrjkskh gA bl fy, j bl vKkr vkcknh dh i gpkul y{k. k o. ku] eſ; kadu vkſ nLrkosth j. k dh rRdky vko'; drk gA bl ds vykok uLyka vkſ vkckfn; kads fy, mi; eſ c tuu vkſ l j{k. k j. kuhfr fodfl r dſy ds fy, bu vkckfn; kads feJ. k Lrj dk v/; ; u fd; k tkuk pkfg, A

ef; 'kn%uLy] eoſ kh] xſ&of. kr tul ſ; kA

Phenotypic Description of the Native Cattle Found in Maharashtra State: A Review

Aishwarya Dash¹, Sanjeev Singh²

10.18805/BKAP665

ABSTRACT

India is rich in the world's largest and most diverse livestock with about 535.78 million animals. Cattle is a major livestock species in India comprising nearly 36% of the total livestock population. According to 20th livestock census, Maharashtra comprises 13.99 million cattle population, out of which 9.38 million are indigenous and 4.60 million are exotic and crossbred cattle. Maharashtra is divided into nine agro-climatic zones on the basis of annual rainfall, soil type, vegetation and cropping pattern. Due to this climatic diversity, different cattle populations have been developed according to the local demand. Out of total 53 registered cattle breeds, 7 breeds viz., Dangi, Gaolao, Khillar, Red Kandhari, Deoni, Konkan Kapila and Kathani are found in Maharashtra. These breeds are generally draft type and can be used for transport and agriculture. Other cattle populations (nondescript) consist of nearly 67% of the total cattle of the state and Maharashtra ranks 5th position in total nondescript cattle population of India. Indigenous livestock is adapted to the adverse conditions of our country and is resistant to various diseases. Hence, there is an urgent need for identification, characterization, evaluation and documentation of the nondescript populations. Further, admixture level of these populations should be studied for developing suitable breeding and conservation strategies for the breeds and/ populations.

Key words: Breed, Cattle, Nondescript population.

Hkkjr o'kz yxHkx 535-78 fefy; u cſf. k; kads l kFk nfu; k dk l cl svf/kd vkſ fofok i 'kqku ea l e) gA xkoad dſy i 'kqku vkcknh dk yxHkx 36% gA i 'kq. kuk 2019 ds vuſ kj Hkkjr ea193-46 fefy; u xkoad gſ ftuea l s142-11 fefy; u ns'kh rFk 51-36 fefy; u fonſ kh o l dſj xkoad gA ml ea l syxHkx 100-22 fefy; u 1/4 yxHkx 51-80% 1/2 xkoad xſ&foojf. kr gA vc rd jk'Vh; i 'kq vkupſ'kd l d k/ku C; jks jkjk 53 Hkkjr; xſuLyai at h—r gA dſy 7 uLy Mkch] xſykvkſ f[RYy] jM ddkjh] nsuh] dkd. k dſy vkſ

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rFkk dFkkuh egkj"V^a ea ikbz tkrh gA egkj"V^a ea 20oha i 'kq.kuk dsvu^d kj 13-99 fefy; u xk^oak g^s ftueal s9-38 fefy; u n^skh rFkk 4-60 fefy; u fon^skh o l d^j xk^oak g^s 1/2p= 1/4 buea l s Hkh 8-02 fefy; u n^skh xk; ka dk xqk fu/kk^j.k g^suk ckdh gA Hkkj^r ea x^s&of.k^r eof'k; ka dh vkcknh ea egkj"V^a ikpos LFkk^u ij gA thuk^sed l j^puk^j vu^oka^r'kd foHknu v^s x^s&of.k^r tul d^j; k Lrjhdj.k ij tkudkj^h dh deh ds dkj.k x^s&of.k^r xk; ka ea l d^j p^uq^shi wkZgA bl fy, j x^s&of.k^r vkcknh dh igpku^j y{k.k o.ku^j e^r; ka^ru^j c^yq^sku v^s l j^p{k.k dh rRd^y vko'; drk gA Hkkj^rh; —f'k vu^d U^uku ifj"kn-us11 vxLr 2021 dks fe'ku thjks u,u&MSLØIV 1/4e'ku 'k^u; x^s&foofj.k^r 1/2 dh 'k^uvkr dh ftl dsrgr l eLr x^s&foofj.k^r i 'k^uku dk ukedj.k o xqk fu/kk^j.k l fuf'pr fd; k tkuk gA

egkj"V^a dk i ; l b^j.k l fca^h i f^jp;

egkj"V^a dksok^r'kd o^ukk^j fe^h ds^cdkj ouLi^rfr v^s Ql y i) fr dsvk/kk^j ij uk^s—f'k tyok; q{k^s—kae^ofoHk^rtr fd; k x; k g^snf{k.k dk^u.k m^ukk^j dk^u.k i f'peh ?kkV {k^s mi i o^hh; {k^s i f'peh egkj"V^a l ery {k^s i f'peh egkj"V^a vi ; k^r {k^s e/; egkj"V^a i Bk^jh {k^s e/; fonHk^j {k^s rFkk i m^hzfonHk^j {k^s A egkj"V^a dk {k^s Qy 307/713 oxZfdeh g^s tks dh cM^s vkdkj v^s fofo/k LFkyk—fr dk gA jkT; ea i m^hzegkj"V^a {k^s ea 500 fe^h l sy^dj ?kkV {k^s ea 4000 fe^h rd o^ukk^j g^srh gA gkyk^ud rki^eku c^gr v^f/kd ugha g^s y^fdu ; g Ql y m^ri knu v^s l j^p fofdj.k ds fy, l hfer dkj^d Hkh ugha gA mPp {k^s—kae^oyky ; k gYds Hk^js j^a dh fe^h rVh; {k^s ea y^v/jkbV fe^h l sy^dj i Bk^j {k^s eavyx&vyx xg^jkbZrd dky^h fe^h ikbz tkrh gA

pkoy^j nky^j Tokj v^s frygu i m^hzfonHk^jds mPp o^ukk^j{k^s—dh egRoⁱwkZ Ql ya gA d^aeh; e/; e o^ukk^jfonHk^j ea Ql y i Vu^zea dⁱl Tokj^j nky^j xg^uv^s frygu 'kkfey gA d^aeh; i Bk^j ea Tokj l cl s egRoⁱwkZ Ql y g^s gkyk^ud dⁱl j frygu cktj^k e^oQy^h nky^av^s x^luk Hkh dkQh {k^s—ka i j mxkbZ tkrh gA tyok; qeafofo/krk ds dkj.k ogk^j ds LFkk^u; i 'k^uka ea Hkh fofof/krk ikbz tkrh g^s ftl l s i 'k^uka dh vyx& vyx uLyka dk LFkk^u; ep^x dsvu^d kj fodkl g^uk gA

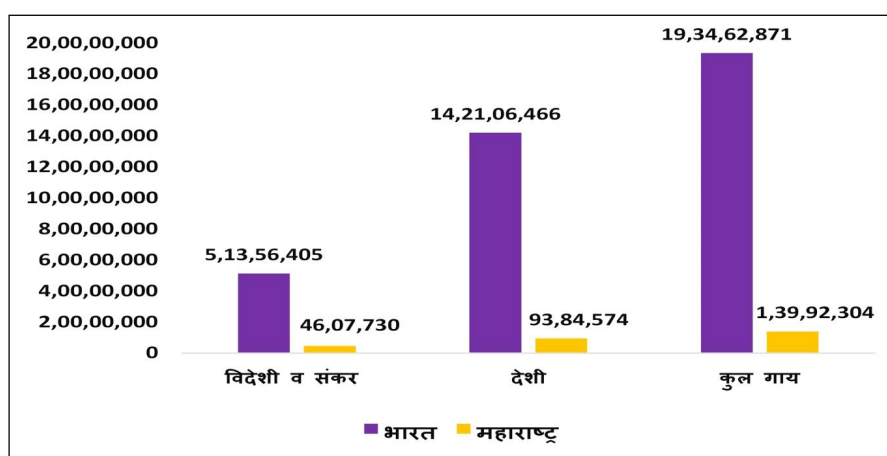
egkj"V^a dh foHk^uu xk; ka dh vkcknh l j x^s&foofj.k^r; xk^oak dk l d^j; k yxHkx 57% rFkk i a^h—r n^skh uLy yxHkx 10% gA fon^skh l d^j xk; ayxHkx 33% gA x^s&of.k^r xk; d^y n^skh vkcknh dk yxHkx 86% g^s 1/2p= 2/4

egkj"V^a dk i a^h—r xk^oak

egkj"V^a ea xk; dh 7 i a^h—r uLyat^s sMk^uh^j xkvky^jkv^s f[kYy^j j^m d^akkj^h ns^vku^h dk^u.k d^fiyk rFkk dFkk^u n^skh tkrh gA 31 vxLr] 2022 dks g^upZ cBd ea uLy i a^hhdj.k l fefr j^jjk dFkk^u dks, d ubZ xk^oak uLy ds : i ea i a^h—r fd; k x; k gA i 'k^uku uLy l o^ukk^j.k 1/2019 1/2 dsvu^d kj egkj"V^a ea i a^h—r uLyka ds c^rfr'kr dksfp= 3 ea n^skk^j k x; k gA

Mk^uh

Mk^uh egkj"V^a jkT; ds i f'peh ?kkV {k^s ds uk^fl d^j vgenux^j v^s iky^jky ftysv^s xq^tjk^r ds Mk^uh fty^sea forfj^r gA ; g uLy Hk^jh o^ukk^jokys {k^s—ka v^s i gk^mh bykdka eaviusmR—"V dk; Zxqk^uadsfy, tk^uh tkrh gA bu xk; ka dk mi ; k^s vker^s ij Hk^j <ka^s v^s t^ukbZ t^s s—f'k l e^udh dk; ka dsfy, fd; k tkrk gA Mk^uh uLy e/; e vkdkj dh



fp= 1: egkj"V^a v^s Hk^jr dh n^skh fon^skh o l d^j xk; ka dh vkcknh 1/20oha i 'kq.kuk1/4



Mkxh



xk~~ly~~kvks



f[kʷykj



jM dakkjh



dkd.k dfi yk



ns/ksih



dFkuh



[kexk xk;

tkrk gā

dkl.k dfiyk

; g xkōāk egkj"V^a dsFkku; jk; x< j Rukfxjh] fl āknpqZvk; iky?kj {ks=kaeāik; k tkrk gā dkl.k dfiyk fofHku jāka dsgkrs gā yky Hkjs l sydj dkyk] l On//kū j] fefJr ; k gyds ihsy jā ds tkuoj Hkh miyC/k gā ; g de fuosk mRiknu ç.kkyh eavPNh rjg l svuphryr vk; pjkbZ ij thfor jgrsgā ; g fcuk Fdku ds<yku okysou {ks=kaeā Hkh pj l drsgā tkuojkaemPp Lrj dh xehz l gu'khyrk gkrh gā bl dk Nks/l se/; e vdkj dk 'kjhj] {krt dku vk; l h/kskFks ds l kFk l hā l h/ks vk; uphysgkrs gā bl uly dk nā/k mRiknu yxHkx 2-25 fdyksxe/fnu gkrk gā bl dk mi; ks Hkjjogu] nā vk; [kkn dsfy, fd; k tkrk gā igkMā bykdka vk; vius ey {ks= dh xēz vk; vknz tyok; qd svuphry ; g vPNh d"āz {kerk j [krs gā vk; Nks/vk; l hekr fd l kuka dh thfodk eaegRo i wāz; ksnku nsjsgā

dFkkuh

dFkkuh egkj"V^a dsx<fpjksyh] pāij vk; xkūn; k ftykaeā i kbZ tkrh gā ; g vdkj ea e/; e vk; de otu dsgkrs gā bl uly ea rhu vyx&vyx jā ds tkuoj t s l On] dkyk vk; yky ik, tkrsgā bl ea l h/ks vk; eM/gg nkskaçdkj ds l hā ik, tkrsgā ; g viuh dBk; ç—fr vk; dBk; tyok; qifjflFkr; kaeadke djusdh {kerk ds fy, tkus tkrsgā budk mi; ks —f" k dk; kēaf d; k tkrk gsvk; /kku ds [krka dh nynyh Hkne eadke djusdsfy, l cl smi; ā gā

egkj"V^a dh xj&of.kr xk;

egkj"V^a ea yxHkx 57% xk; ka dk uly fu/kkZjr rFkk çy[ku ugha gvk gā dñ xj&foofj.kr xk; ka dk o.kū

uhpsfd; k x; k gā

[kexkp xk;

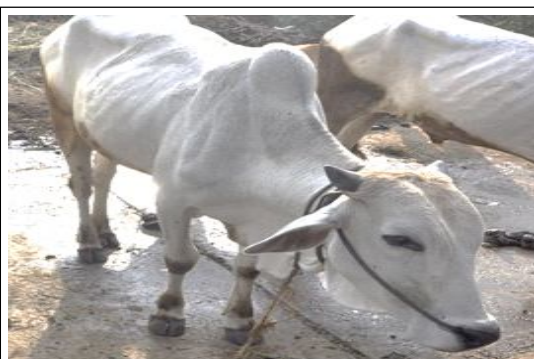
; g vkcknh egkj"V^a dscy<k.k ftyS/[kexkp vk; vki ikl dh rgl hykā ea i kbZ tkrh gā bl dk l kēd; jā l On fpāka; k /kCka ds l kFk fefJr yky jā dk gkrk gS tks bl s /kCcnkj ; i nrk gā ; g e/; e l scMā vdkj dk i'kqgkrk gā bl ds l hā e/; e ykbZ dsgkrs gā vk; vk/kkj ij eks/s gkrs gā osyxHkx l h/kskFks dh j[kk eac<fsgā ekFk pksMā vk; FkkMā mūky gkrk gā bl s v/k&xgu ¼ eh&bā/ā o½ çāku ç.kkyh dsrgi iky tkrk gā bl dk nā mRiknu 2&4 yHvj/fnu gkrk gā eā; ; i l s bl ds cS —f" l Ecā/kr dk; kē ea ç; ks ea yk; s tkrsgā

mejnk xk;

; g eošk ey ; i l se/; e vdkj dh nākh xk; gā tks ; oreky ftyS ds fnxjkl] nokZ vk; i d n rgl hyka vk; egkj"V^a ds if'peh fonHkZ {ks= ds vki & ikl ds {ks=kaeā ik, tkrsgā mejnk uke ikl dsokf'ke ftyS ds LFkkuh; eošk cktkj "mecjnk cktkj" l sfy; k x; k g; gkykād LFkkuh; ; i l s; s tkuoj pfnxā B ¼ xkp½ ; k "catkj" ¼ epk; ½ ds uke l sykd fç; gā 'kjhj dk jā eā; r% l On gkrk g; ; ifi yky jā Hkh nākh tkrk gā ; g e/; e vdkj dk i'kq gkrk gā bl dk pksMā vk; FkkMā vory ekFks gkrs g; ft l ea e/; e vdkj ds l hā ik, tkrsgā Nks/h vk; eks/h xnZ] Nks/sxydēy vk; l k/kkj.k vdkj ds dñM+gkrs gā Fkkku pksMā vk; xgjs jā ds gkrs gā nūd nā mRiknu yxHkx 2&3 yHvj gkrk gā bl dscS —f" i) fr; ka dsfy, vPNs gkrs gā

igkMā xk;

; g vkcknh egkj"V^a ds; oreky ftyS dh fnxā rgl hy ds l [kjk] frokj] jkexkp] ek[k & 2] yxokgu xkp] nokZ



mejnk



igkMā

rgl hy ds fiajh [kq] HkkMskp vks fp[kyh xkp vks
 ey?kkV {ks= ds /kjuh rkyplk e] l riMk iohekylk ds
 igkMk {ks= eaik; h tkrk gA ; g ^igkMk^ ey?kkVh ; k
 ^/kjuh^ dsuke l sykdfc; gA 'kjhj dk jx l Qn] yky
 ; k /k] j gkrk gA ekFk l h/k] FkFku dkyk vks l hax dkys
 vks Nk/svkdj ds gkrsgA xyday vks dM+Nk/sgrs
 gA igkMk xk; LFkkuh; vkfnokl h l epk; ka }kjk v/l xgu
 c.kkyh eaikyh tkrk gsvks ; g i'kq ApkbZ okys {ks=ka ds
 fy, vPNh rjg vuqfhyr gkrsgA Fku Nk/k gkrk gsvks
 xk; cfr fnu day 1&2 fdyksnkk nrh gA

fu'd'k

egkj'V^a dk vk/ks l svf/kd xkdk xj&of.kr cdkj dk gA
 ; g i'kq gekjsnkk dh cfrch i fjLFkr; kdsvuqhy gS
 vks fofHku jkxka ds fy, cfrjkskh gA bl xj&of.kr
 vkcknh dh igpku] y{k.k o.ku] eV; kadu vks cy[ku dh
 vko'; drk gS rkfd ; g fofokrk vks fo'ksrk dk o.ku

djuseal gk; d gkA rFk nsh xkdk eafeJ.k Lrj dk irk
 yxkuk Hkh egRoikZ gA gekjh Lonsh vkcknh dh igpku
 djusds l kFk&l kFk i atdhj.k djuk gekjh uLykads l j{k.k
 dsfy, , d ckFked dne gA vl; Fk l Hkkouk gSfd gekjh
 ; g fo'ksk vkcknh tYn gh foydr gks l drh gA

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