Hkkjrh; df"k vul/kku if=dk] **35**(3): 204-206 DOI: 10.18805/BKAP241

Hklk e ljk jkx dk y{k.kk ij vk/kkfjr funku

food vxoky*] fxfj/kkjh nkl[1]] ,-d- t;jko[2]] x;k çlkn tkVo[2]]

ed'k 'kkD;[2] ,o fueyk tkejk[2]

i'k ijthoh foHkkx] i'k fpfdRlk ,o i'k ikyu egfo|ky;] eg&453 441] e/;in'k

ikIr% vDrcj 2020 Lohdr% vDrcj 2020

lkjk'k

dy 92 y{k.k ;ä Hklk dk tuojh 2015 l fnlcj 2015 rd ljk chekjh d fy, jä ijh{k.k fd;k x;k ftle ;g ik;k x;k fd dy 21 ¼22-83 çfr'kr½ Hkl ljk l lØfer ikb xbA ,l y{k.k ftudh vkofÙk 60 çfr'kr l vf/kd Fkh og fuEukulkj Fk tl n/k mRiknu dh deh ¼100 çfr'kr½] Hk[k uk yxuk ¼95-24 çfr'kr½] [ku dh deh ¼90-48 çfr'kr½] mÙktuk ¼85-71 çfr'kr½] okl yu e fnDdr ¼71-43 çfr'kr½] ,o c[kkj ¼61-90 çfr'kr½ Fkk ,o ,l y{k.k ftudh vkofÙk 30 l 60 çfr'kr d chp e tl vk[kk dk ckgj dh vkj fudyuk ¼52-38 çfr'kr½] 'kjhj d <hy fgLlk e ikuh Hkjh ltu ¼52-38 çfr'kr½] ncyk iryk gkuk ¼42-86 çfr'kr½] ykj fudyuk ¼33- 33 çfr'kr½] ukd l Jko dk vkuk ¼23-81 çfr'kr½ FkA bld lkFk gh ,l y{k.k ftudh vkofÙk 30 çfr'kr l de Fkh og fuEukulkj Fk Hkl dk pDdj yxkuk ¼19-05 çfr'kr½] lLr jguk ¼14-29 çfr'kr½] vk[kk e lQnh Nk tkuk ¼14-29 çfr'kr½] flj dk nhokj l ekjuk ¼9-52 çfr'kr½ ,o vk[kk e vkl dk vkuk ¼4-76 çfr'kr½ Fk A bl çdkj ;fn fdlh Hkl e mijkä y{k.kk dk leg fn[kkb nrk g rk og Hkl ljk chekjh d fy, lfnX/k gkuh pkfg, ,o mldk rjr jä ijh{k.k djd chekjh dk funku ,o mipkj djuk pkfg,A

'kCn dth% ljk] Vhiuklkek bokUlh] y{k.k] funkuA

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Diagnosis of surra in buffalo based on Clinical Symptoms

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ABSTRACT

Blood samples were collected to diagnose the surra disease from 92 buffaloes showing clinical symptoms from January 2015 to December 2015 and prevalence was 22.83 per cent (21). In high frequency group (>60 per cent), the clinical signs reduced milk yield (100.00 per cent), anorexia (95.24 per cent), anaemia (90.48 per cent), excitement (85.71 per cent), respiratory distress (71.43 per cent) and fever (61.90 per cent) were recorded. Clinical signs like exophthalmia (52.38 per cent), edema of dependent parts (52.38 per cent), emaciation (42.86 per cent), and salivation (33.33 per cent) had moderate frequency (30-60 per cent) whereas clinical signs including nasal discharge (23.81 per cent), circling (19.05 per cent), depression (14.29 per cent), corneal opacity (14.29 per cent), head pressing (9.52 per cent) and lacrimation (4.76 per cent) had low frequency of occurrence (<30 per cent). Therefore if buffalo is showing combination of above mentioned clinical symptoms, then he or she should be suspected for trypanosomosis and after examination of blood smear, immediate treatment should be recommended.

Key words: Sarra, Trypanosoma Evansi, Symptoms, Diagnosis.

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[1]i'k ijthoh foHkkx] i'k fpfdRlk ,o i'k ikyu egfo|ky;] eg&453 441] e/;in'k

[2]ukuth n'ke[k i'k fpfdRlk foKku fo'ofo|ky;] tcyij&482 001] e/;in'k

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çLrkouk

Vhiuklkfevkfll dk dkj.k Vhiuklkek bokUlh gkrk g ftldk forj.k ,f'k;k] vÝhdk] lVy ,o lkmFk vefjdk d tkuojk e gkrk g ¼dkuh ,V vky] 2009½A j'eh ,V vky ¼2018½ u e/; çn'k d bnkj ,o jryke dh Hklk e Vhiuklkek bokUlh dk 14-8 çfr'kr lØe.k nt fd;k gA Vhiuklkek bokUlh l lØfer Hklk e [ku dh deh] rth lotu dk de gkuk] c[kkj 105 fMxh Qkjugkb V] tehu ij iM jguk ,o vr e Hkl dh eR; gk tkrh gA tlk fd [kjidk egidk] xy?kkV ,o yxfM;k e y{k.k gkr g bl rjg d y{k.k ljk l lØfer tkuojk e ugh gkrA vr ;g vko';d gk tkrk g fd ljk l lØfer Hklk e dku&dku l y{k.k fdl vkofÙk e mRiUu gkr g mudk v/;;u fd;k tk, rkfd mu y{k.kk d vk/kkj ij chekjh dk rjr igpku dj mudk vfHkyc bykt lHko gk ld rkfd Hklk dk vle; eR; l cpk;k tk ld mä mí'; dk /;ku e j[kr g, ;g 'kk/k fd;k x;k gA

lkexh ,o ijh{k.k fof/k

mijkä 'kk/k d fy, dy 92 y{k.k ;ä Hklk d jä d ueu mudh xnu dh jä f'kjk l ,fFkyhu Mk;ekbu VVk ,lhVV ;ä jä lxfgr 'kh'kh e„ feyh vifrr :i l çklr fd, x,A ftldk cQ Hkj lnd e i'k fpfdRlk ,o i'kikyu egkfo|ky; tcyij d i'k ijthoh foHkkx e yk;k x;kA mld mijkr jkBkj ,o lxj ½2005½ d vulkj jä dk ijh{k.k fd;k x;kA ftld fy, loçFke jä dk vkyi dkp dh LykbM ij cuk;k x;k rnijkr 30 ldM d fy, eFku,y l jä d vkyi dk LFkkb fd;k x;kA fQj mldk mld l[ku nu d mijkr 1¼40 ftElk LVu e 40 feuV d fy, NkM fn;k x;kA rnijkr vklr ikuh l /kkdj ,o l[kkdj l{en'kh d ry fueTtu e n[kk x;kA

ljk l lØfer Hklk e fofHkUu y{k.kk dh vkofr ,o mudk l;kx Kkr djuk

ykgkj ,V vky ¼1985½ d vulkj crk, x, rjhd e FkkMk lk ifjoru djd fofHkUu y{k.kk dk mudh vkofÙk d vulkj fuEu leg e oxh—r fd;k x;k

vf/kd	vkofÙk	ftu dh vkofÙk 60 çfr'kr l vf/kd Fkh
e/;eorh		ftu dh vkofÙk 30 l 60 çfr'kr
de vkofÙk		ftu dh vkofÙk 30 çfr'kr l de

çfr'kr vkofÙk Kkr dju dk l= ¾

$$\frac{\text{fof'kV y\{k.kk dk fn[kku oky ljk lØfer Hklk dh l[;k}}{\text{dy ljk lØfer Hklk dh l[;k}} \text{X100}$$

ifj.kke ,o foopuk

fofHkUu 'kk/k i=k dk v/;;u dju ij ,lk dkb 'kk/k i= lKku e ugh vk;kA ftle fd ljk lØfer Hklk e fofHkUu y{k.kk dh vkofÙk D;k D;k gkrh g ;g crk;k x;k gkA gkykfd dN 'kk/kdrkvk d }kjk viu 'kk/k i=k e ljk lØfer xk; ,o Hklk e dN y{k.kk dh ppk dh xbg tlk fd n/k dk de gk tkuk] Hk[kuk yxuk] [ku

rkfydk 1¼ ljk l lØfer Hklk e mRiUu y{k.kk dh vkofr

y{k.k	y{k.k fn[ku oky Hklk dh l[;k	ljk l lØfer Hklk dh l[;k	vkofr¼çfr'kr½
n/k mRiknu dh deh	13	13	100-00
Hk[kuk yxuk	20	21	95-24
[ku dh deh	19	21	90-48
mÙktuk	18	21	85-71
'okl yu e fnDdr	15	21	71-43
c[kkj	13	21	61-90
vk[kk dk ckgj dh vkj fudyuk	11	21	52-38
'kjhj d <hy fgLlk e ikuh Hkjh ltu	11	21	52-38
ncyk iryk gkuk	9	21	42-86
ykj fudyuk	7	21	33-33
ukd l Jko dk vkuk	5	21	23-81
pDdj yxkuk	4	21	19-05
LkLr jguk	3	21	14-29
vk[kk e lQnh Nk tkuk	3	21	14-29
flj dk nhokj l ekjuk	2	21	9-52
vk[kk e vkl dk vkuk	1	21	4-76

dh deh] mÙkrtuk] lkl yu e fnDdr] c[kkj] vk[kk dk ckgj dh vkj fudyuk] 'kjhj d <hy fgLlk e fiyihyh ltu gkuk] detkj gkuk ,o eg lykj dk fudyuk ¼fxy 1991(Mfolu ,V vky 1999(yfdUl 2004(ikBd ,oflg 2005½ ljk l lØfer Hklk e mRiUu y{k.kk dh vkofr rkfydk Øekd 1 e n'kk, x, gA

bl 'kk/k e 61-90 çfr'kr Hklk e c[kkj nt fd;k x;k ftldk lHkkfor e[; dkj.k Vh- bokUlh d }kjk fo"ky inkFkk dk eä gkuk g tk Hkl d efLrd e fLFkr gkbikFkyel uked xFkh tk fd rkiØe dk fu;f=r djrh g mldk ifjofrr dj nr gA lkl yu e fnDdr ,o [ku dh deh Øe'k 71-43 çfr'kr ,o 90-48 çfr'kr Hklk e ikb xb ftldk lHkor dkj.k yky jä df.kdkvk dk fouk'k ,o ghekXykfcu dh lkærk dk de gkuk gA Vh- bokUlh }kjk eä gku oky fo"ky inkFkk d dkj.k gk ldrk gA okfy;k ,V vky ¼1996½ d vulkj Vh- bokUlh l lØfer Hklk ,o xk;k dh jä df.kdkvk e fl;kfyd ,flM dh deh d dkj.k gkrk g ftll fd ,lh jä df.kdkvk dk fouk'k gk tkrk g tk fd [ku dh deh d fy, ftEenkj gkrh gA ikuh Hkjh ltu ¼52-8 çfr'kr½ ,o LkLr gku ¼14-29 çfr'kr½ dk dkj.k xHkhj [ku dh deh gk ldrh g | ikBd ,oflg ¼2005½ Hk[k dh deh] c[kkj] E;dl f>Yyh dk jxghu gkuk] xHkhj [ku dh deh] ukd l Jko dk gkuk] n/k mRiknu dh deh gkuk ,o nLr d y{k.k lØfer xko'k e 'kk/kdrkvk d }kjk mYyf[kr fd, x, gA ckmu ,o yhd ¼1999½ vk[kk l Jko ¼4-76 çfr'kr½ ,o vk[kk dh iryh dk vikjn'kh gk tkuk ¼14-29 çfr'kr½ ljk lØfer Hklk e ik;k x;k tk fd io e Hkh ljkj ¼1980½ d }kjk mYyf[kr fd;k x;k gA rf=dk r= l lcf/kr y{k.k tl xky&xky pDdj yxkuk ¼19-05 çfr'kr½] flj l nhokj dk iVduk ¼9-52 çfr'kr½ ,o mÙktuk ¼85-71 çfr'kr½ d y{k.k Hkh ik, x, ftldk e[; dkj.k rUrkolu ¼1997½ d vulkj ljk d nh?kdkfyd lØe.k e Vh- bokUlh dk efLrd e ço'k gk ldrk gA

fu"d"k

;fn fdlh Hkl e n/k dh deh gkuk] Hk[k uk yxuk] [ku dh deh gkuk mÙktuk] lkl yu e fnDdr ,o c[kkj tl y{k.k feyr g rk rjr Hkl dk Vh- bokUlh dfy, jä ijh{k.k djd mldk mipkj çkjHk djuk pkfg, rkfd Hkl dk vle; eR; l cpk;k tk ldA

lnHk

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