Hkkjrh; df"k vuqla/kku if=dk] **35**(3): 159-164 DOI: 10.18805/BKAP237

mÙkj Hkkjr e xUu d dMok jkx dh oreku fLFkfr ,o çc/ku

,e- ,y- NkcMk*] ch- ije'oj h ,o ,l- d- ik.M;

Hkk-—vu-i-& xUuk çtuu lLFkku] {k=h; dUæ] djuky&132 001] gfj;k.kk

ikIr% flrEcj 2020 Lohdr% vDrcj 2020

lkjk'k

xUuk ,d egRoi.k udnh Qly g ftl ij dod] thok.k] QkbVkIykLey o fo"kk.k tfurjkxk dk çdki gkrk gA dod jkxk e l dMok n'k d vf/kdk'k xUuk mRiknd {k=k e xUuk mRiknu e ,d çe[k leL;k gA ;g jkx vLVhykxk flVkfeuhvk uked QQn l gkrk gA jkx dk çkFkfed lpj.k lØfer xUuk cht l gkrk gA igy bl jkx dk phuh feyk vkj xUuk vul/kku dæk }kjk xUuk cht kipkj¼okf"kr Hkki fpfdRlk@ue xe gok mipkj½ d ek/;e l fu;=.k e j[kk tkrk Fkk ijUr fiNy dN o"kk l ;g çFkk yxHkx cn gk xb g ftl l jkxk e fujUrj of) gk jgh gA mÙkj Hkkjr e xUu dh chekfj;k d oreku ifj–'; dk tkuu d fy, y[kdk u o"k 2010 l 2019 rd gfj;k.kk] i tkc] mÙkj çn'k] fcgkj vkj mÙkjk[kM jkT;k dh 44 phuh feyk d vkjf{kr {k=k dk fu;fer :i l lo{k.k fd;k gA gfj;k.kk e vf/kdk'k phuh feyk e dMok ,d çe[k jkx d :i e 0;kIr g vkj bldk vkiru rth l c< jgk gA jkx dk çdki fofHkUu fdLek t l dk- 0238] dk- 89003] dk-,p 116] dk-,p 119] dk-,p 150] dk-,p 152] dk-,p 156] dk-,p 160] dk-tk- 85] dk-tk- 88 vkj dk-'kk- 8436 dh iMh Qly e 1-0 l 40-0% o ik/kk Qly e 9-0% rd ik;k x;k gA 'kkgkckn {k= e xUuk fdLe dk-,p 160 d vf/kdk'k iMh o ik/kk Qly e jkx dk çdki Øe'k% 40-0% o 9-0% nt fd;k x;k gA blh çdkj i tkc jkT; e dk- 0238] dk- 89003 vkj dk-tk- 88 fdLek dh iMh e 11-0% vkj ik/kk Qly e 5-0% rd jkx vkiru ik;k x;k gA bld vfrfjä if'peh mÙkj çn'k dh phuh feyk d vrxr fofHkUu xUuk fdLek e jkx vkiru iMh Qly e 6-5% vkj ik/kk Qly e 1-5% rd FkkA gjhuxj ¼fcgkj½ e vf/kdre jkx ¼2-5%½ fdLe dk-fl- 98231 ij ik;k x;k Fkk] tcfd yDlj ¼mÙkjk[kM½ e dk-fl- 03234 vkj dk-fl- 01434 fdLek ij jkx vkiruØe'k% 4-5% vkj 6-0% FkkA lLFkku }kjk dMok jkx dh jkdFkke d fy, jkT; dh lHkh phuh feyk dk fu;fer :i l ijke'k i=¼,Mokbtjh½ tkjh fd;k tkrk g ftl jkT; d fdlku dMok çc/ku gr viuk jg g] bld vrxr fdlku lØfer [kr l jkx d pkcd fudkydj u"V dju d ckn Qly ij çkfidkuk tky 25 blh rjy QQnuk'kh ¼1 eh-fy-@ fy-ikuh½ dk fNMdko djr gA jkT; d fdlkuk vkj phuh feyk dk dMok jkx d çc/ku gr Hkk—vu-i-&xUuk çtuu lLFkku] dk;EcVj }kjk fodflr ^lV VhVeV fMokbl* uked l;= l xUuk cht mipkj d rjhdk dk viuku dh Hkh lykg nh tkrh gA gfj;k.kk phuh egkçl?k }kjk Hkh jkT; e 0;ofLFkr xUuk cht mipkj i)fr dk çkRlkfgr dju dh lykg nh tkrh gA fiNy pkj o"kk l lHkh lgdkjh phuh fey cht tfur jkxk d çc/ku d fy, fdlkuk d [krk ij tkdj VDVj pkfyr mipkfjr bdkb;k l chtkipkj dk dk; dj jgh gA pfd dMok jkx dk çdki fujUrj c< jgk g blfy, phuh m|kx dk bl çØe e ,d l0;ofLFkr çc/ku fufr viuku dh vko';drk g A

'kCn dth % xUuk] dMok] vLVhykxk flVkfeuhvk] lo{k.kA

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Current status and management of sugarcanesmut disease in North India

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ABSTRACT

Sugarcane an important cash crop suffers from several fungal, bacterial, phytoplasmal and viral diseases. Of the fungal diseases, smut had been a major constraint to sugarcane production in most of the sugarcane growing tracts of the country. The disease is caused by fungus *Sporisoriumscitamineum* (Syn: *Ustilago scitaminea).*Primary transmission of the disease takes place trough infected setts. Earlier this disease was kept under control through heat therapy (Aerated steam therapy /moist hot air treatment) of seed canes by the sugar mills and sugarcane research

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centers. However, since last couple of years, sett treatment practice has been stopped and smut incidence increased by many folds. To know the current scenario of sugarcane diseases in the subtropical region, authors surveyed the reserved areas of 44 sugar mills in Haryana, Punjab, Uttar Pradesh, Bihar and Uttrakhand states during 2010-2019 crop seasons regularly. In Haryana, smut prevails as major disease in most of the sugar mills and its incidence is increasing rapidly. The disease incidence ranged from 1.0 to 40.0% in ratoons and traces to 9.0% in plant crops of varieties viz. Co 0238, Co 89003, CoH 116, CoH 119, CoH 150, CoH 152, CoH 156, CoH 160, CoJ 85, CoJ 88 and CoS 8436. In Shahabad area most of the fields of variety CoH 160 had severe smut incidence i.e. up to 40.0% in ratoon and 9.0% on plant crops. Similarly in the varieties Co 0238, Co 89003 and CoJ 88 cultivated under Punjab, traces to 11.0% incidence in ratoon and up to 5.0% in plant crops was found. Further, in western UP occurrence of smut was moderate to 6.5% in ratoon and traces to 1.5% in plant crops of cultivated varieties. The maximum disease incidence (T-2.5%) was noted in Harinagar (Bihar) on variety CoSe98231, whereas, under Laksar (Uttrakhand) it observed to a tune of 4.5% and 6.0% on varieties CoSe 03234 and CoSe 01434, respectively. In the light of observations recoded over the period, advisories were issued regularly to the sugar mills for its prevention and farmers of the state have adopted smut management practices i.e. roguing of smut whips followed by spray of Propiconazole 25EC @ 0.1%. Farmers and sugar mill officials of the state have been advised to adopt seed cane treatment practices with Sett Treatment Device, recently developed by ICAR-SBI, Coimbatore to combat this disease. The Haryana sugar Federation is also advised to promote sett treatment practice in the state. Since last four years all the Co-operative sugar mills have been running tractor driven sett treatment units for seed cane treatment at farmer fields to manage sett borne diseases. Since smut has emerged as a serious disease, sugar industry should take up the disease management in a systematic way to sustain sugarcane cultivation in the region and also to prevent buildup of disease epidemics.

Key words: Sugarcane, Smut, *Sporisoriumscitamineum*, Survey.

çLrkouk

xUuk Hkkjr dh ,d egRoi.k udnh Qly g tk dod] thok.k] QkbVkIykTey vkj fo"kk.k tfurdb jkxk l xLr jgrh gA dod jkxk e dMok jkx n'k d vf/kdk'k xUuk mRikrnd {k=k e xUuk mRiknu d fy, ,d çe[k leL;k gA ;g jkx Likjlkfj;e flVkfeuhvk ¼vLVhykxk flVkfeuhvk½ uked dod l gkrk g ftle ,d pkcd ¼gVj½ tlh ljpuk curh g ftle dky chtk.k ¼Vfyvkslikjl½ gkrg tk ,d flYoj jx dh f>Yyh l <d gkr gA chtk.k ue ifjfLFkfr;k e vdfjr gkr g vkj xUu dh vk[k d ek/;e l ik/k dk lØfer djr gA dod Li"V y{k.kk d fcuk ik/k e 0;ofLFkr :i l c<rk gA bl jkx dh igpku loçFke o"k 1971 e gokb e gb Fkh ¼ck;Fkj o vU;]1971½A oreku e ;g jkx n'k d çR;d xUuk mRikrnd jkT; e rth l c< jgk g ftll xUuk inkokj ij çfrdy çHkko i< jgk gA xUu e dMok 1950 d n'kd rd ,f';k e ,d çe[k jkx Fkk ijUr bl vof/k d ckn ;g jkx fo'o d lHkh xUuk mRikrnd n'kk e Qy x;kA bl jkx l xUu dh ekVkb e deh gk tkrh g rFkk ikfj;k dh yckb o xUuk dh l[;k e deh gk tkrh gA Hkkjr e dMvk jkx d dkj.k 50% rd xUuk mit dh gkfu n[kh x;h g rFkk jkx d T;knk lØe.k l phuh ijrk e Hkh deh nt dh x;h g ¼foLoukFkku ,o jko] 2011; 'kkbckyk o vU;] 2017½A dMok jkx l vU; n'kk e Hkh xUu dh inkokj vkj x.koÙkk e mYy[kuh; deh nt dh xb g¼Qjjk vkj d,eLV,d 1989½A vxj dMok lØfer ik/kk Qly dh iMh j[kh tkrh g rk jkx dh rhork vkj c< tkrh gA ,lk ik;k x;k g fd ,d vfr lonu'khy xUuk fdLe dh ik/kk Qly l iMh dh igyh Qly rd jkx dk lØe.k nl xuk rd c< tkrk g ¼tEl 1974½A Hkkjr e [krh dh ykxr dk de dju d fy, vkerkj ij iMh dh db Qly yu dk çpyu g] tcfd dMok jkx d dkj.k xUu e iMh dh lHkkoukvk dk lhfer djuk vfuok; gk tkrk g ftll [krh dh ykxr c< tkrh gA çfrjk/kh xUuk fdLek dh [krh bl jkx dk çrhcf/kr dju dk lcl vPNk mik; gA pfd jkx dk çkFkfed lpj.k lØfer chtl gkrk g blfy,

igy bl jkx dk phuh feyk vkj xUuk vul/kku dUæk }kjk xUuk ch tkipkj¼okfrr Hkki fpfdRlk@ue xe gok mipkj½ d ek/;e l fu;=.k e j[kk tkrk Fkk] ijUr fiNy dN o"kk l ;g mipkj çfØ;k vf/kdk'k LFkkuk ij cn dj nh xb g ft ld ifj.kke Lo:i dMok jkx dk çdki e db xuk of) gb gA lkekU;r dMok çc/ku d fy, ch t VdMk dk xe ikuh e 52°C ij QQnuk'kd d lkFk ;k bld fcuk 30 feuV d fy, mipkj dh lykg nh tkrh g ¼d,eLV,d 2000½A bl mipkj dk çpyu vkerkj ij U;fDy;l ch t dh jkx eä ch t uljh fodflr dju d fy, fd;k tkrk g ijUr fdlkuk e bldk mi;kx lhfer gh gA db n'kk e QQnuk'kd Vk;MkbeQ,u]çkihdkuk tky vkj ¶yVhQ,y dk dMok jkx d fy; çHkko'kkyh ik;k x;k g ¼cyh 1983]Hkkjrh 2010] Hkb;k o vU;] 2012]2015½A mÙkj Hkkjr e Hkh fiNy nk&rhu o"kk l bl jkx dk çdki db egroi.k fdLek t l dk-'kk- 8436] dk- 0238] dk- 89003] dk-,p-119] dk-,p-150]dk-,p-152] dk-,p-156 ,o dk-,p-160 e ik;k tk jgk gA dMok jkx l vkt gj fdlku o phuh fey fpfrr g blfy, Hkk—vu-i& xUuk çtuu lLFkku] {k=h; dUæ] djuky d oKkfudk u xUu dh çpfyr fdLek e dMok jkx d oreku ifj–'; dk tkuu d fy; o"k 2010 l 2019 rd fu;fer :i l mÙkj Hkkjr d jkT;k t l gfj;k.kk] itkc] mÙkj çn'k] mrjk[kM ,o fcgkj dh 44 phuh feyk d vkjf{kr {k=k dk lo{k.k dj egRoi.k tkudkjh ,df=r dh gA

lkexh ,o ijh{k.k fof/k

xUuk fdLek e dMokjkx dh oreku fLFkfr d voykdu gr mÙkj Hkkjr d Ng jkT;k dh fuEufyf[kr 44 phuh feyk d vkjf{kr {k=k e lo{k.k fd;k x;k A

jkT;	phuh fey dk uke
gfj;k.kk	djuky] dFky]'kkgkckn] ikuhir]lkuhir]jkgrd]xkgkuk]thn]ege]iyoy];eukuxj]Hkknlk] vl/kjukjk;.kx<
itkc	Hkkxij]xjnklij]cVkyk]/kjh]edfj;kjnlvk]vtukyk]uok'kgj vkj cêj dyk
mÙkj çn'k	eokuk]lfcrx<]nocn][krkyh]feYdukjk;.kij]'kkeyh]ckxir]jkuhukxy]cyjkeij]eudkij]fetkij]Qjhnij] cndh]Qtyx<][kEch]xyfj;kjeh jxt]mUuko
mÙkjk[kM	yDlj
fCkgkj	gjhuxj]e>kfy;k

jkx d y{k.k% dMok jkx lekU;r% xUu dh çkjfHkd voLFkk e iMh Qly e fn[kkb nrk gA jkx d çFke y{k.k eb&tu d eghu e fn[kkb nr gA jkx xLr ik/kk dh xkc l pkcd leku ljpuk e ifjofrr gk tkrh g tk flYoj jx dh f>Yyh }kjk <dh gkrh g ft le QQn d ch t.kvk dh dkyh ijr teh gkrh g¼fp= 1½A dN le; i'pkr ;g f>Yyh gok d >kdk }kjk Lor% QV tkrh g o jkx d dky&dky ch t.kLoLFk ik/kk d ruk o ifÙk;k ij fxjdj xkBk }kjk ik/kk d vnj ço'k dj f}rh;d lØe.k ink djr gA jkxxLr ik/kk e 'kk[kk, vf/kd]vR;r iryh o yEch gkrh gA Qly e iu% bl jkx d y{k.k vDVcj &uocj d eghu e fn[kkb nr gA jkx xLr ik/kk l dYyk dk QVkogk tkrk g ftll ik/k cku jg tkr gA

jkx vkiru dh x.kuk% dMok jkx dk vkdyu dju gr çR;d [kr l ikp vyx&vyx LFkkuk l vyx&vyx¼jMeyh½ p;fur 100 eMk ¼Dyll½dk p;u fd;k x;kA jkx vkiru dh x.kuk dy lØfer eMk d çfr'kr d vk/kkj ij fuEu l= l dh xb g%

$$\text{jkx vkiru \%} = \frac{\text{lØfer eMk (Dyll) dh l[;k}}{\text{dy Dyll dh l[;k}} \times 100$$

ifj.kke ,o foopuk

xr nl o"kk rd mÙkj Hkkjr d xUuk mRiknd jkT;k dh 44 phuh feyk e xUuk fdlkuk d [krk ij fd, x, lo{k.k l irk pyrk g fd eRoi.k çtkfr;k e dMok jkx dk lØe.k c< jgk gA gfj;k.kk jkT; e bl jkx dk çdki lHkh çe[k fdLek e n[kk x;k gA Qly o"k 2014 e 'kkgkckn phuh fey e fdLe dk-,p-160 dh ik/kk Qly e ;gjkx 9-0% rd ik;k x;k Fkk tcdh o"k 2019 e bl h fdLe dh iMh Qly e jkx vkiru 40-0% rd nt fd;k x;kA vU; e[; xUuk fdLek t l dk- 89003] dk-,p-119] dk-,p-116] dk-,p-150] dk-,p-156 o dk-'kk- 8436 dh ik/kk o iMh Qly e jkx dk vkiru Øe'k% 7-6% rd o 22-6% rd ik;k x;k ¼rkfydk&1½A lo{k.k vrxr egRoi.k ifj.kke 'kkgkckn {k= e n[k x; tgk^dk-,p*dh dkb Hkh

rkfydk 1% mÙkj Hkkjr d fofHkUu jkT;k e o"k 2010 l 2019 vrxr çe[k xUuk fdLek e dMok jkx dk vkiru ¼%½

		dMok jkx vkiru¼%½		vf/kdre dMok jkx vkiru¼%½			
				ik/kk Qly		iMh Qly	
jkT;	xUuk fdLe	ik/kk Qly	iMh Qly	phuh fey	o"k	phuh fey	o"k
gfj;k.kk	dk- 0238	Vh&2-5	Vh&5-0	'kkgckn	2016	'kkgckn	2019
	dk-89003	Vh&6-5	Vh&22-5	ikuhir	2016	ikuhir	2018
	dk- tk- 85	Vh&0-5	1-0&3-6	dFky	2017	dFky	2017
	dk- ,p- 56	&	Vh & 0-5	&	&	xkgkuk	2013
	dk- ,p- 99	&	Vh	&	&	ege	2012
	dk- ,p-116	Vh&6-5	Vh&10-0	dFky	2017	dFky	2017
	dk-,p-119	Vh&1-0	Vh&3-6	thn	2012	lkuhir	2018
	dk-,p-133	Vh	Vh&1-0	'kkgckn	2012	'kkgckn	2012
	dk-,p-150	Vh&7-6	1-0&22-6	'kkgckn	2014	'kkgckn	2016
	dk-,p-152	&	Vh&2-0	&	&	iyoy	2016
	dk-,p-156	Vh&1-0	1-0&4-6	lkuhir	2016	xkgkuk	2016
	dk-,p-160	Vh&8-6	1-0&40-0	'kkgckn	2019	lkuhir	2019
	dk-'kk- 8436	1-0&3-5	Vh&7-6	thn	2019	djuky	2014
itkc	dk-89003	Vh&5-0	Vh&11-0	uok'kgj	2013	uok'kgj	2013
	dk- tk- 85	Vh	Vh&3-9	xjnklij	2011	cVkyk	2011
	dk- tk- 88	Vh&2-0	Vh&8-0	uok'kgj	2013	uok'kgj	2013
	dk- 0238	&	Vh&1-0	&	&	/kjh	2018
mÙkj çn'k	dk- 0238	&	Vh&1-0	&	&	ehjxt	2016
	dk-89003	&	Vh&4-0	&	&	[rkyh	2016
	dk- tk- 88	&	Vh	&	&	Qjhnij	2019
	dk- tk- 88	&	Vh	&	&	cndh	2019
	dk-,p-167	&	Vh	&	&	ehjxt	2019
	dk-'kk- 8436	Vh&1-5	Vh&3-0	eokuk	2016	eokuk	2016
	dk-'kk- 8432	&	Vh&2-0	&	&	vQtyx<	2019
	dk-'kk- 767	&	1-0&6-5	&	&	'kkeyh	2014
fcgkj	dk- fl-98231	&	Vh&2-5	&	&	gfjuxj	2017
	dk- 1158	&	Vh&1-0	&	&	e>kfy;k	2016
	ch-vk- 137	&	Vh&0-5	&	&	gfjuxj	2017
	ch-vk- 154	&	Vh	&	&	ekrhij	2014
mÙkjk[kM	dk- 0238		Vh&1-0	&	&	yd'kj	2019
	dk- fl- 3234	&	Vh&4-5	&	&	yd'kj	2017
jkT;	dk- fl- 01434	&	Vh&6-0	&	&	yd'kj	2017

Vh¼Vl@vkf'kd jkx vkiru½

xUuk fdLe dMok jkx l eä ugh FkhA itkc jkT; e dMok jkx dk vf/kdre çdki xUuk fdLe dk- 89003 e vkf'kd l 9-5% rd o dk-tk- 88 e 8-0% rd o"k 2013 vrxr iMh Qly e FkkA pfd {k=Qy dh –f"V l mÙkj Hkkjr e xUuk [krh mÙkj çn'k jkT; e T;knk gkrh g ijUr ;gk ij dMok jkx dk çdki cgr de ik;k x;kA lo{k.k dh x;h phuh feyk e lokf/kd jkx fdLe dk-'kk- 767 dh iMh Qly e 1-0 l 6-5% rd o"k 2014 e 'kkeyh {k= e nt fd;k x;k FkkA fofnr jg dh bl jkT; e fiNy dN o"kk l fdlku xUuk fdLe dk- 0238 dh lokf/kd {k= e [krh dj jg g] tc dh bl fdLe e dMok jkx dk vkiru doy dN gh phuh feyk e vkf'kd l 1-0% rd feyk gA blh rjg fcgkj dh gfjuxj phuh fey e jkx dk lokf/kd çdki fdLe dk-fl- 98231 ¼Vh&2-5½ o mÙkjk[kM d yd'kj {k= e fdLe dk-fl- 01434 ¼Vh&3-0½ e FkkA

dMvk jkx çc/ku e Hkk-—-vu-i-& xUuk çtuu lLFkku] {k=h; dUæ] djuky dh Hkfedk% dMok jkx dk çkFkfed lpj.k lØfer cht d ek/;e l gkrk gA dN o"k igy rd çrd phuh fey vkj lEcf/kr {k=k d xUuk vul/kku dUæk }kjk ghV Fkjih ¼,jVhM LVhe Fkjih ;k ,e-,p-,Vh½ d ek/;e l xUuk cht dk mipkj djd gh fdlkuk dk fn;k tkrk Fkk ftll dMvk o iMh dk ckuk jkxk dk fu;=.k jgrk FkkA pfd chtkipkj dh çfØ;k yxHkx cn gk xbg ftld ifj.kke Lo:i xUu e jkxk dk çdki fujrj c< jgk gA dMvk jkx dh jkdFkke d fy, lLFkku }kjk jkT; d lHkh xUuk fdlkuk dk phuh feyk d ek/;e l fu;fer :i l ijke'k i=¼,Mokbtjh½ tkjh fd;k tkrk g rFkk lHkh phuh feyk d vf/kdkfj;k vkj fdlkuk dk çf'k{k.k fn;k tkrk gA bld lkFk&lkFk jkT; e 0;ofLFkr chtk ipkj i)fr dk c<kok nu d fy, gfj;k.kk phuh egkçl?k dk lLFkku dh vul'kk vrxr VDVj pkfyr cht mipkfjr l;= çR;d phuh fey dk miyC/k djok; x; gA fiNy pkj o"kk l lHkh lgdkjh phuh fey bu cht mipkfjr bdkb;k l fdlkuk d [krk ijtkdj cht dk mipkj dj jg g ftld lkFkd ifj.kke çkIr gk jg g ¼fp= &2½A bld vfrfjä jkT; e fdlku ijke'k vulkj lØfer [kr l dMvk d pkcd ¼foi½ dk lko/kkuh l fudkydju"V dju d i'pkr çkihdkuktky 25 b lh ¼1 eh-fy-@fy- ikuh½ rjy QQnuk'kh dk Qly ij fNMdko dj jkx dk fu;=.k djr gA fdlkuk dk ;g ijke'k Hkh fn;k tkrk g dh jkx xLr Qly l cht uy] xUu dh jkx jk/kh fdLek dk puko dj] jkxh Qly dh iMh uj[k rFkk jkx dk çdki de dju d fy; Qly pØ viuk,A LoLFk cht dk cgr egRo g blfy, gky gh e Hkk-—-vu-i-&xUuk çtuu lLFkku]dk;cVj }kjk cht mipkj gr ^lV VhVeV fMokbl* uked l;= fodflr fd;k g





fp= 1% xUu e dMok jkx d y{k.kA



fp= 2% VDVj pkfyr cht mipkfjr bdkbA



fp= 3% cht mipkj l;=^lV VhVeV fMokbl*A

ftld ç;kx l xUuk Qly e cht tfur jkxk dk çc/ku fd;k tk ldrk gA vkt n'k d lHkh xUuk oKkfud bl cht mipkj l;= dh vul'kk dj jg g ¼fp=&3½A bl lLFkku }kjk fdlkuk dk LoLFk xUuk cht mRiknu gr fujrj çf'k{k.k o lg;kx ndj ykHkkfUor fd;k tk jgk gA

vkHkkj

y[kd lo{k.k d nkjku vko';d lfo/kk, çnku dju d fy; fun'kd]vkbl h,vkj& xUuk çtuu lLFkku]dk;EcVj dk gkfnd /kU;okn nr g A

lnHk

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