

karkkTcecal s t̄cl it s bñ am

TaLay

BY RUTH HAZZARD, CARYN ANDERSEN, AND MATT VERSON, DEPARTMENT OF ENTOMOLOGY;

FRANK MANGAN, DEPARTMENT OF PLANT AND SOIL SCIENCES

UNIVERSITY OF MASSACHUSETTS

I kitbJokkarBitenBi
BNhåBleb[bGkdaM
Nam kétATbTpang
GkeZtMarbtacGack
atbnj st̄cbnaj é
sstBnNéxvnigdM
NamPT
Brassica
epSge[t.

et bñ aRtV: nbpaj eday s t̄c/

st̄cklastV it manrbragBgRkeBedl sldndNaM st̄V it TadenHmaneCg
ekayClyOBkvael at: noay dt̄sticdr. mansticCaechRoePT ehly
RoePTnmy>S&tbePTdlnNtmykbbNñ. st̄V it Croifer ehlyngstV
écBNglisbNallaydtCa ésekbbj ésexkNaç éssrc
#ésekbbj. BkvakCatmanBBKCamlyKadlCadlNaMyel l o
Rocket #k3sexPB.

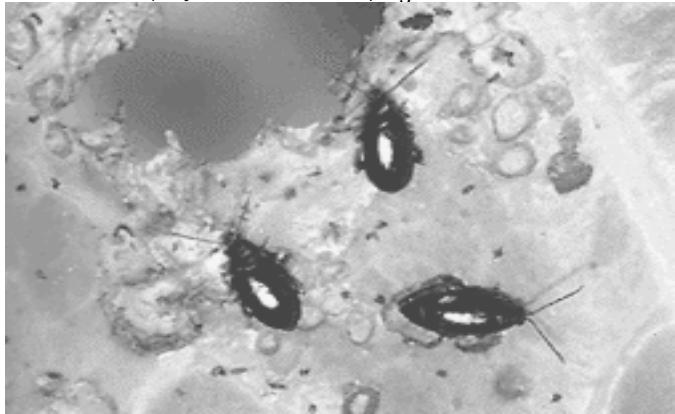
st̄cl iepSg>T[tbnaj edmRtbj dñ agç nigBqBsç eBaTePhç #kñNaM
eoSg>T[t. st̄V it TadenHkmanPmPaKRsed[gnigBBkstbñaj RoePTdlnNaM
brassicas Edr bñBkvaminstbñajKaefet.
taragbj karBitnogBkAh GBlctdI st̄NaMbrassicas
ehlyngreBkarBardlnNtlyHoptBkarxt xat.



issrkais-
brassicas
mlyRoePTedl Rtu: n
bñaj edaystic

st̄cl it Croifer KtñanBNéxstE manTñnbch l Rbvg 2scm eml eTasñil dtzatdk#kñNPñl ag. st̄cl Croifer KtñusñNaM
brassicas enAkordñasaCst. eybgacsmal st̄cBNqtlBistic Croifer Edl manBNqtl gBrenAxgxxvtaLsgxag.

st̄cl Croifer (*Phyllotreta cruciferae*) nigdNalbxat.



st̄cBNqtlPhyl l otreta
striolatae)



rñzt: nobtmedayPikgar
Saskatchewan Ag&Food Agency

									sticZBz past MhetaCayERS		
							sticZBz beLg				
						klij asenAkjäl					
						kbecj ass#sdNal					
						BjécenAkjäl					
						emécBhkjorduktCaknigsgLg					
sticZBzhenAkayERSnargurtCak											
mkra	km&	mina	emsA	ösPa	mizma	kkđa	sha	küp	tü a	vijkar	Zđ

RG CIRSEN ARBSSTEC

enAkj̄srTrdU st̄cditII m̄atATkEngmanEBKjval ERS. BKvaBhI akxökj̄rdUrCaktamskQenA
Cit dl. ecZMTdlenHRTlekSal za 2emēcBhkj̄rdUrCak³ erBhBkvacabépjCltrsrénAkj̄Exeklmkyç
sgl̄sénAkj̄rdUrCak ehlyngixBj̄orsrhltdl rdleklij. enAedhrdUpark BKvacakej c BTkEngova
BhénHehlycabépjst̄rkclN Gähar. enleBI GakasZatkarEtekBb lg BKvavaf el atç #ehatHehfcu
eTAkōERsenAEK[Tenah. eBI ebKanRKabdlNadatt BKvastbdhrkCatiTal LayenACMj CayERS. enleBI
dlnN brassica Cit dl. vangblaj RKabdlnadl : nsaberJärt. BKvacabivijN CaRchvíz 'dt
Ca kñc rsCatc ngckjUAN' ednlESt̄rkTkEngmandNMe hlyBKvakacEst̄rkRabdlNalvágtt>
enAkj̄kNPI ERSZM tpg. eBI Edl RtuKarBardNalvágrBogRbytCagekbptKuAkj̄kL ExóSPang
mizma.



karx0xacedaystic.

enAedhExóSPa écZNBj v/BakKiehly emévacabéphBgenAKI édhndNAM enleBI vaj as' kbj as TaBlenHcabépls#SdNAM TbHtvaQancU dl dM Nakkal kblec. enAcgExkkda écZMzcabéphnebeLbjBkjdl. écTaBgenHsblNAdgyrdU EteTaICayágNakp CákminZnZádtkal edhmrldUet. enAcgEx Slna écTaBlenHcabéplndTII hACayERSRmabrdurT Cák.

Gökçelerde İl dağları Nablus'ta brassica ebiği myrsinaceae Gacmańska Talybanı Hırvatı Björk myrtle Uzdr. vızılnıkyecisväg stılcı Talybanı HKW Nablus'ı Nablus'ı kayıtları Blstı Talybanı: nsab' kılıçlı gebe I kırıcıltırt Cak' Kılıçlı Açıq Exkkıda. eTalı Cayagı Nakıday en HKW Rıbeyası Cn Gökçelerde İl dağları Nablus'ı Björk myrtle Uzdr.

KarpasbldadN MavZdRbSI PabMlyedhj katbnayStcbhaj dNAM BrJahsticBhI akxibenACIERSdaiN MgrdU dITKEngdaiN MgrdUpark
eTAERSeI minEdI daiN Mbrassica kal Brdum enHbNal osticTallenHebk hingovaZB NlqayetEStirkdN Mbrashh.
vizenH GacmanRbSI Pab : nl HraferszinhkndN Mbrassica ehlyinqXatqayBERSeI mandaiN Mbrassica Brdum.

KARX BX ACEDAS TEC

sttCZMsbl lskdNatlNtgRbsúa bNpl omanRbehagCaerchenAtamel lskTallenah.
RbehagTallenahGacrkkantZhlleB1 skenahdtikanftZhlLb. ebslbdaj skdNaled
eBkGaceZbedhldNathhsab CaBesseB1 edhmdlNathAxP etHloCaedhldNathhmin
gabkeday PaBxtxatenahGackatbnaypl itpl Edr. dlnNal agldtCaesekabekhsstv
ecsitamekinsk. cWllskEdl minPil agldtCaessrehlyngésx1 sttcvashLb
RbehagCaerchel lsk. cWllskBNéxlv Edl manRbehagbntbntf TpSarPaKerchmin
Tij yKeT.



SttnciymsbNalbePT brassicas CagdNatlT ehlyRKabdNatlbenHgacmanxt
xatekch. óTahrNdtCa ésexb#késekabcinRtu: nécsCagéSRbePT kale #kéS-
ekpbZmita. dNatlT enAxRtu: nécvastkchCagdNatlbas>. cMuhdNatlI: ndákCII Á
ehlydlenAtamdl Áig: nérsacTirkRkbRkanktu: nécsSttcCagdNatlI RSBbiç KpnCICati
RKhrKan#dHenAtamdl NneBk.

enAÉmhavtial &én rdhmasCbtst GkRsavRcavk|gTeZkarCamlyGkceZbtMaredhllsak l |gRKabd|N akmeszia: ykatbnaykarxtbxabd| RKabd|N a\$M xan>. RKabd|N a\$M an>datbACmj u ehlyngRKabd|N a\$M hslsManclyrkSakl b|tcmksT|Kabd|N a\$M an>Tabgenah.

KARBARDIN ANDAERBKRI

vizB1 Áñyedlm|karBardNabpitBtcKrbRodabmkrBtamCydNm'KeHaza KrbmbcgCasNaj' Bt1RC1 g#CydNm'KrbmbeGacoepbycacll : n
ngGacelSacTlk: nEtClyrkSas tklbstV tctU mkrC. KrbmbeGacRkbcBt1 b1Nmahh '2GENt3C #KGacel keLb: nxseB1 dNmahhhdllLbzM
#KcgenkeI Tt1KEd1 CkyTboenAbt1 b1Nm' GtckMarPaKeKchcgExSBt1 Tt1k edm|karBarkovayangCkykarmarkMOrEhk.

KRmbT₁ mHm TRmgTT₂ nCa₃ chRb₁ pT. T₃ h₄ T₅ Ed₁ t₆ b₇ K₈ Kb: nEdmNyCv₉ Et₁₀ b₁₁ N₁₂ H₁₃ '5-6 h₁₄' EtmanT₁₅ M₁₆ T₁₇ Z₁₈ dgenHeT₁₉ t₂₀ Ed₁ GacR₂₁ Kb: nCa₂₂ chR₂₃ C₂₄ #RC₂₅ l₂₆ g₂₇ '15' 25' 35' #k65 h₂₈'. v₂₉ h₃₀ m₃₁ k₃₂ s₃₃ x₃₄ <K₃₅ dr. KRmbEd₁ manT₃₆ m₃₇ sal₃₈ '0c3-0c6 eGan₃₉ m₄₀ y₄₁ y₄₂ k₄₃ a₄₄ r₄₅ k₄₆ s₄₇ t₄₈ v₄₉ t₅₀ k₅₁ b₅₂ c₅₃ mk: nehlyningmantemézakCag₅₄ b₅₅ n₅₆ p₅₇ h₅₈ knigxt₅₉ yäggay₆₀ rs₆₁ l₆₂ eday₆₃ s₆₄ ark₆₅ R₆₆ R₆₇: s₆₈ st₆₉ #kx₇₀ l₇₁. KRmbEd₁ manT₇₂ m₇₃ '0c9-1c25 eGan₇₄ m₇₅ y₇₆ y₇₇ k₇₈ a₇₉ r₈₀ t₈₁ m₈₂ t₈₃ e₈₄ l₈₅ z₈₆ a₈₇ g₈₈ b₈₉ n₉₀ h₉₁ m₉₂ i₉₃ n₉₄ r₉₅ k₉₆ d₉₇ e₉₈ t₉₉ d₁₀₀ c₁₀₁ t₁₀₂ v₁₀₃ k₁₀₄ b₁₀₅ r₁₀₆ o₁₀₇ t₁₀₈ k₁₀₉ v₁₁₀ a₁₁₁ x₁₁₂ a₁₁₃ q₁₁₄ g₁₁₅ k₁₁₆ opt₁₁₇ B₁₁₈ k₁₁₉ éz₁₂₀ a₁₂₁ n₁₂₂ e₁₂₃ B₁₂₄ l₁₂₅ m₁₂₆ h₁₂₇ i₁₂₈ n₁₂₉ r₁₃₀ b₁₃₁ R₁₃₂: s₁₃₃.



KimbRKbenkel kakNetbEt l tt. GtTM
BkelenAlkmenH

dakKRmbRKbBéI PamenaéBI dakRKab#ykeTAdAm RKabdíNaMbrassicas Bnkel JnNas' 'kiry; 1-5 ézá.
 cdkltgcáM díNaMdtxehlystc : nsbtNantelehly.
 cdkarBartamCayERso: nCtdlbailecvaminGacvacJ kú: n. GkeZLMarxhykdbíT
 GkxhleT[tekbítmáimkbt]óTahNgltCa; vdí #Kbcaj Caedh. ctbJ@RÓ: nciasza
 CayERSenArkSa: nCtdldeI eTaHmanxül bkxalgyágNakéday. KRmb Gacykej : nenAezsütedhjdkespecj
 EtRtURKbyäggabrihÍvij .

díNaBdI dílenAélkamKRmbRtU: nkarBarptBkül éhlyngistV ít ehlyval ttel JneUHsTNPáBeklCagenAéB I ézá
nigeB I yb: éssBNéxlvGacel díEvgehlyRslyCagdNábbenATébkcllhrehlyGackatmkelbkar: nqabetTt pg.
díNaMbrassicas xtb minGacI kénATbSar: n ebsInCaTkvaecal élkamKRmbytBk edaysarbNpl o
xtrbragrbsvá. cMUBNmanBish cíBnittümll taragkarBtC edayebvlzRkbCrdíNaM

: j ɿ ɿ məb's t! it

zalimabotIV & GackarBardNabpitBkarxlbaxat. *stIV* &ng; SabenAbI BkvamkbHngCatiz#kbHngsEdI manCatiz#ksksEdI manCatiz#M cbBi
ERKahrkGtbTzbenesIvePAENnM New England Vegetable Management Guide C#HbJtQqz#zalimabotIV EdI manbitpeksRmaberbclUHstV
EdI Sh#N brassica. *zalimabotIV* & nmly>manpakBBNhabheb[bnigeB] evl adl Gacykmkerokar: n.
RbsinebteQ#stV & #keQ#hdN minman cthenAdl bakenalT *zalimahminGacebbkar:* neT.
esIvePAENnM BBNhabB#RmgkarN&bbmansutPabpqEdr. esIvePAENnM hGacTTV ykBbN# I &énmhavTial & UMass (413-545-2717).

zatmabstV itkymxEdI erBkBchCageKehlymanRbsTlPaBeTlA lSttEdI SbINaMbrassica enHkHnOJ carbaryl 'OHCJ Sevin'. zatmSevin
KDaazatmabstV tEdI ekniymerkCaTbeTA enHmann&zaGkeZtMarehlyngGkdadNnamkI kenaTbSedI BmanbNnij atkGaceRozmH: nEdr. zatm
carbaryl (Sevin) manl keniAEhagl köbkrNérmabGkeZtMare. zatmHgacBl dl mnisSnigs tXHlyRtUetkolyagkbtyri ebolsnCaRbl: nktm
RtUVAvismabstV tEdayKpnemKätzakdI mnisSedI : j zatmH#KGkEdI ebh#j admnAbnah. ebkRbm: nrtmRtUmanel lsingcjab ehlybNhl oman
erKätzakdI mnisSedI ezKarenATenahigGkEdI j admnAbnah. vaCakarTTV xisRfurbSGkeZtMarednkarBarGkeZkaroptBerkätzakelyngGkNamly
EdI cu eTakjçkaroptBkarbHBal zatmabstV itenH.

xageRkamKlabJlnKyEdI GlkYcacathleBl erbtzal Sevin . clabTallenHrtUGnuttameBl erbtzal\$mob'stV it Nak*day.

etRtUj zM Sevin RoPTNa. eygsNtBroTj RoPTxabç zM Sevin TRmgCatTlkEdI manCati carbaryl 22.5% . clemil pakbitel bboM
CatixabenH. mäkEdI SbCageKK Garden Tech Sevin Bug Killer. EdI mancINH32eGankümYdbehlyman 22.5% CatizM carbaryl.

karBarxürbsGkoptBCatizM ctesfBakéxaGavkarBaren**leB1** | ay#: j žimlrlTajBakéRsaméd EslikeCg exæCgEvg nigGavédeVg. en**leB1** | ay
žimlrlBakGavCikarBarz**leB1**. edatalexaGavTalbenHej bn**lbB1**: i žimlrlchlykyteA: kepSqBlexaGavkñRknRksar.

RitRdb: j zabsGkRsbtanxatngl ayyagRgRbytä minnigGkcabéphl ayCatKhl GkrTukitemll zaetRtU1 aycmhbinen. CadRb hat: j
nigTkZmitasIn. eZleb[benlhnoCKyOGkSekmcza GknugRtukarTkcmhbinpredmll: j ó: nsBhlykEngenah.
enAeB1 Gk: ndonutlNHTlkEdT GkrTukar ykmk: j énATkEngenalehly GknudonutlNHTkzndl GkrTUI ayykmk: j EmnETn.

enHK~~do~~TarhN~~f~~ dakTkmlyhal Lg 'bhxt quarts' enAk~~do~~Zj: j : j d~~N~~~~A~~~~T~~ GkcgkarBarva. vaseml vaenls l bñpn ehlydkecj edn~~K~~it eml c~~M~~edl : n~~R~~GS. o~~TarhN~~ebshCaGk: n: j bh~~C~~G~~S~~myhal Lg '4xlt' eB~~I~~ enahGkngd~~o~~za mlyx~~t~~n~~g~~: j : nmlyC~~T~~ Brx~~t~~n~~g~~: j : n~~B~~ C~~T~~Caedl . l . bn~~b~~BGk: n~~s~~mc~~d~~gn~~U~~hT~~k~~Edl R~~T~~Rsacd~~N~~ahalehly d~~C~~G~~K~~Gac~~s~~emcn~~U~~hCatKmEdl R~~T~~U aybJ~~P~~K~~a~~. edaymanCatiz~~M~~Sevin 22.5% pak: nk: b~~z~~a c~~M~~Edl R~~T~~Ublsmob~~S~~lck~~K~~ 3/4 eTA 1 1/2 eGank~~J~~Tkmlyhal Lg. eybs~~N~~Broekbl 1eGanenz~~M~~Sevin k~~T~~kmlyhal Lg. ebshCaGmlyhal Lg: j : nmlyC~~T~~ehlyGkcg: j bh~~C~~G~~J~~g~~K~~R~~T~~U ayCatKmlyyeGanCamlyhal Lg. ebshCaGkcg: j EtmlyC~~b~~N~~H~~G~~J~~g~~K~~K~~Y~~ ay 1/4 eGannigT~~k~~ 1/4 hal Lg#kmlyxtt.

eB~~I~~ Edl R~~T~~U: j z~~M~~ c~~M~~ll j z~~M~~ebshCamx~~U~~l b~~k~~my~~P~~Edl Gacna~~D~~atiz~~T~~Adl d~~N~~~~A~~~~T~~ACitxag#Gkdt~~T~~-rgc~~M~~l vaslo~~s~~at~~s~~h. k~~M~~ j mneB~~I~~ emX ePfg-c~~M~~l d~~N~~~~A~~~~T~~sh. eB~~I~~ d~~1~~ Edl KY: j z~~M~~ak~~al~~ l ac#RB~~k~~R~~b~~l mneB~~I~~ Edl ézih~~E~~Caedl Edl s~~T~~cmanskmp~~B~~.

dakpkoekdg, dakpkoekmenACayval E~~s~~d~~N~~~~A~~~~T~~osGkedm~~R~~: bGkdt~~O~~: nd~~o~~zaGkeT~~b~~Et: n: j z~~M~~ KannrNam~~k~~K~~Y~~U eTATbenahC~~M~~h12emäg b~~n~~bbBl: n: j z~~M~~Sevin rk. CaBesskblekg!!

ctBn~~i~~ueml zac~~M~~acR~~T~~U: j Ez~~M~~et~~T~~#G~~t~~: ctBn~~i~~ueml d~~N~~~~A~~~~T~~#bz~~z~~lkayBGk: n: j z~~M~~. ctBn~~i~~eml karx~~t~~bat d~~N~~~~A~~~~T~~ngTkEngéceZ~~b~~kmu P~~A~~~~B~~. st~~C~~ejc~~c~~ll B~~k~~kar ehlyvaCakarc~~M~~ c~~M~~l GkR~~T~~U: j z~~M~~: nechCagmlydgeB~~I~~ d~~N~~~~A~~~~T~~hd~~U~~. Et~~p~~ak: nk: b~~z~~aGkmnK~~Y~~: j z~~M~~el lsB~~m~~y dgeTk~~j~~myGa~~T~~tu.

ca~~M~~monige~~b~~ld~~N~~~~A~~~~T~~ pak~~en~~el b~~b~~z~~z~~lsmob~~S~~l t~~R~~: b~~n~~leB~~I~~ evl a~~d~~l GkR~~t~~urgc~~M~~lbbBl: n: j z~~M~~monige~~b~~ld~~N~~~~A~~~~T~~h. eB~~I~~ evl aenHehAza~~Z~~l~~U~~g~~B~~l ebhp~~I~~ d~~N~~~~A~~~~T~~ Rt~~U~~karCac~~M~~ cedh~~k~~l~~b~~manCatKm~~N~~es~~H~~l el d~~N~~~~A~~~~T~~eybykmj j am edaymanCatiz~~M~~Sevin, d~~N~~~~A~~~~T~~ manst~~m~~inGac~~b~~lt: n:#j amnch~~M~~14ez~~z~~lkayB~~t~~: n: j z~~M~~. qabebhp~~I~~ d~~N~~~~A~~~~T~~ebkGaceZ~~b~~GzitCn#RkmRK~~C~~arrbsGk~~j~~ allatKmEdl en~~H~~es~~H~~l :

kar~~S~~at, s~~S~~atR~~o~~ab~~b~~: j z~~M~~osGkenAtamTkEngBessEdl Tks~~r~~mb~~1~~ agnigl ayz~~M~~Edl CaTkEngngmineZ~~b~~kx~~k~~l c~~M~~ard~~N~~~~A~~~~T~~ mnis~~S~~#T~~s~~~~N~~ak. v~~Z~~b~~1~~ Adh~~J~~cakTkena~~l~~cal K~~W~~ j vae~~T~~el b~~k~~j~~c~~ard~~N~~~~A~~~~T~~ GkeT~~b~~lt: j z~~M~~. Tk~~R~~ob~~b~~: j z~~M~~lyngz~~S~~mob~~S~~l t~~en~~k~~j~~T~~b~~kes~~a~~ b~~n~~ #hbZM Edl CaTkEngk~~b~~ky~~m~~ndl :

K~~b~~mobX~~M~~ z~~M~~Sevin eZ~~b~~X~~M~~BI : X~~M~~ast~~h~~an~~b~~oyaCNass~~r~~nb~~b~~BI d~~N~~~~A~~~~T~~ OgpadltCartskphig~~r~~tskr~~s~~lCaedl. k~~M~~ j z~~M~~ d~~N~~~~A~~~~T~~ manpark#kkEngEdl X~~M~~grkc~~N~~sl

KARBGABST~~E~~CS~~R~~BGKEZ~~C~~KARTA~~T~~ ABRBÉBN I

GkeZ~~C~~MartamTM abR~~b~~B N~~R~~U~~T~~ Gnu~~t~~l amc~~j~~ab~~y~~gCak~~1~~ akG~~b~~reb~~b~~da~~N~~~~A~~~~T~~bsBkekehlyngR~~b~~e~~T~~enz~~S~~mob~~S~~l t~~rig~~kardakCEd~~I~~ ekR~~T~~uerb~~#~~minR~~T~~U~~b~~l. c~~lab~~TM abT~~g~~enH~~G~~camenanAk~~j~~g~~N~~~~A~~~~T~~Caedl b~~b~~be~~N~~~~A~~~~T~~. GkeZ~~C~~MartamTM abR~~b~~B N~~M~~ineb~~z~~l~~M~~Sevin eT. GkeZ~~C~~MartamTM abR~~b~~B N~~R~~ Eh~~I~~ Ca~~R~~olz~~S~~mob~~S~~l~~C~~txagekam: z~~M~~pyrethrin (Pyganic Crop Protectant) z~~M~~neem (Ecozin # Agroneem), z~~M~~rotenone, #kRkmhemls Hot pepper wax. z~~M~~l~~g~~enH~~R~~oh~~I~~ CamimmanR~~b~~SP~~T~~BR~~b~~BR~~b~~KankarBaropitkarx~~t~~xateT. eybs~~N~~Br~~a~~ c~~M~~UHGkeZ~~C~~karT~~g~~LayEdl cgbR~~g~~ab~~S~~l t~~ten~~ edayerb~~b~~Z~~R~~kb~~t~~amRC~~I~~ gd~~N~~md~~N~~ad~~N~~grd~~U~~ka #k~~b~~l~~N~~~~A~~~~T~~KeTaC~~M~~arEd~~I~~ min~~T~~an: nd~~N~~brassica Caerchq~~M~~an. Ete~~T~~hCa yag Nak~~p~~vZ~~b~~R~~b~~SP~~T~~Pa~~b~~l~~ed~~l~~b~~R~~g~~ab~~S~~l 'tamVZ~~M~~pt#tamTM abR~~b~~B N~~k~~l K~~T~~U: neCaKC~~g~~edayerb~~b~~K~~m~~bR~~b~~K~~b~~l gd~~N~~AM

B~~t~~hanenHK~~b~~Rmabb~~N~~gGbr~~M~~ esck~~b~~~~N~~Br~~E~~l manenAk~~o~~genHK~~u~~yal eTAtamc~~M~~nh: nd~~g~~enA~~B~~l e: H~~B~~m~~0~~ ebmanG~~T~~akT~~g~~eT~~a~~ngp~~I~~ itp~~I~~ EpikBaN~~C~~km~~Y~~#k~~Q~~HC~~M~~ K~~b~~Rmabb~~R~~oCa~~B~~tm~~f~~b~~N~~~~A~~~~T~~ ehlyKankarc~~M~~ht~~el~~ xa~~T~~V #kar~~T~~V sd : nekt~~e~~L~~b~~ely. Canic~~C~~ak GkR~~t~~Ganpakm~~n~~ig~~b~~R: s~~z~~mob~~S~~l t~~N~~amly. pakK~~o~~Eksar~~s~~bc~~b~~bsRmabb~~R~~: sp~~I~~ itp~~I~~ .catB~~t~~manenAk~~j~~taragenHC~~C~~gsabgebs~~h~~inCavaminH~~s~~Rm~~g~~Camlyng~~p~~ki~~b~~tel l dbz~~M~~