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საქართველოს
ფინანსებს!

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ra iyo 2013 wl is rTvel is
mTavari movl ena?

wl evandel i rTvel is mTavari
probl ema is aris, rom yurzeni
sakmaod adremomwi fda...



6 da mainc, ra aris vazi da Rvi no?

bibl iaSi pi rvel mevenaxe-meRvi-
ned mi Cneul ia noe, romel mac war R-
vni s Semdeg pi rvel ma gaaSena venaxi
da daayena Rvi no.

22

saerTaSoriso samecniero-
praktikul i konferencia

konferenciaze Tematikis mixed-
vi T oTxi seqcia muSaobda.



5 rTvel i iwureba

12 qvevis sareksi tradiciul i
saSual ebebi saqarTvel oSi

vaSi is xis formireba,
gasxvi a da sayrdeni sistemis
14 momzadeba

17 marwyvis warmoebis
saxel mZRVanel o

24 vawarmooT da vi kveboT
bi oproduqtеби T

26 aWaraSi ci trusebis
damzadeba mal e daiwyeba

Caqvis ci trusebis
28 sacdel -sademonstracio
sanergeebi

30 Zi ieri sofel i qveynis
simdidrea

31 JOSKIN - kompania, romel ic
saWi ro produqcas
gTavazobT

gargaris al ternariozi
da mis wi naaRmdeg
biol ogiuri brZol is
perspektivebi

33 jil exi saqarTvel oSi

Jurnal i `axal i agrarul i saqarTvel o~ gTavazobT!

Jurnal Si erTi kvadratul i santimetri sarekl amo farTiS
Ri rebul eba Seadgens: ydlis meore gverdze _ 60 TeTrs (mTl lani
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wl idan. samecniero statis mocl oba reziumis Tanxl ebt ar
unda aRematebodes 15 interval iT, 12-lani SriftiT nabeWd 5
Tabaxi s gverds.

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1 wl iT Jurnal Isgamowera dagiJ debaT 24 l ari, 6 Tvl T _
12 l ari.



ra iyo 2013 wl is rTvel is mTavari movl ena?

naadrevad dawyebul i rTvel i 2013 naadrevadve mi iwura. saer Tod, rogorc wesi, yovel rTvel ze iwyeboda i seti ram, rac ama Tu im wel s mTavar movl enad iTvl eba mevenaxeoba-meRvineobis dargSi. zogj er esaa Tavs datexi l i stiqia-setyva Tu mewyeri; zogj er venaxebSi mavnebel -daavadebebis uCveul o moZal eba; i Savi aTad qarTul i Rvinis warma-teba sadme Ci neTSi an yazaxeTSi ... da sxv.

ra iyo 2013 wl is rTvel is mTavari movl ena? al, is Seki Txva, romel sac Sevecdebi T mokl ed vupasuxoT.

wl evandel i rTvel is mTavari probl ema is aris, rom yurZen ni sakmaod adre momwifda da Tu normal uri wl is periodSi rTvel i is dawyebis TariRad kaxeTSi 20-25 seqtemberi iyo dadgeni- l i, wel s am droisaTvis kaxeTSi rTvel i TiTqmis mol eul i iyo. es yvel aferi ki vazis naadrevma yvavil obamac gamoiwvia da, sakmaod nal eqiani zafxul is mi uxeadavat, yurZen naadrevad moiwia; yovel i ve aman ki Sesazi oa Rvinis xarisxSi i Cinos Tavi, risi ris- kic namdvil ad dgas, radganac SarSandel i rTvel ic, daaxl oe- biT, wl evandel i viT warimartA (naadrevi yvavil oba da adreul i rTvel i) da Sedegmac ar daayovna. 2013 wl is mosavl is araerT kaxur RvinoSi e.w., „vegetaciis“ toni SeimCneva, rac Tavis mxriv moumwifebel i, Semousvl el i kl ertis bral icaa. swored i give riskis qveSaa Semdegi wl is mosaval ic, risTvis ac memarneebs Sesabami sad momzadeba mouwevT.

am wel s arc mavnebel -daavadebebis mxriv iyo saxarbiel o mdgo-mareoba, radgan Semodgoma-zam-TarSi siciveebi sakmaod gvi an daiwo da cota xans gastana, aseve Tovl ic nakl ebi movida da mal eve dadna, ramac Tavis mxriv mavnebel ebis – vazis tkipasa da yurZnis Wi is gamravl ebas Seuwo xel i. es probl ema aSkarad mkveTrad idga kaxeTis zogierTi mxaris venaxebSi.

cxadia, rTvel Si mxol od yurZnis dakefa ar igul isxmeba, aramed misi gadamuSavebac da aseve yurZnis yi dva-gayidvac. es ukansknel i ki, anu Cvens dedaqal aqSi yurZnis bazrobi s mowyobi saki Txi, kvl avac Ri aa da moi Txovs yuradRebas, radganac dRemde ver gveRirsa yurZnis keTi l mowyobil i bazroba. (am saki Txs Cven ukve SevexeT „axal i agrarul i saqarTvel os“ wi na nomerSi).

aranakl eb mtki vneul i probl ema, romel ic ukve wl ebia probl emadve rCeba, es dargis subsidi re-

bis saki Txi a. Tuki saxel mwifos am „maradi ul i“ probl emis gadaWra marTI ac surs, maSin man Tanxebi unda mimarTos mcire, tradi ciu- l i marnebismSenebl obisa da adgi- l obrivi vazis j i Sebis gamravl e- bi saken. aRniSnul i qmedeba gark- veul wil ad regionebSi turizmis ganvi Tarebasac Seuwyobs xel s. es yovel i ve ki umTavresi sazrunavi unda i yos mxaris gubernatorebi- sa da sofl ebis gamgebl ebisaTvis, romel Taganac j erj erobi T sanu- geSo arafe ri ismis...

rac Seexeba si tyva „rTvel s“, romel ic aris nawil i si tyvi- sa – „qa rTvel i“, igia Semodgomis gvirgvi ni, anu rTvel iT Semodgo- ma gvirgvindeba da srul deba. al- baT amitomac Zvel droSi axal i wel i Semodgomis dawyebasTan iyo dakavSi rebul i da igi pirvel seq- tembers iwyeboda saqarTvel oSi. rTvel i gansakuTrebui dRea da es dRe qarTvel i erisaTvis dResasaul Tanaa gai givebul i, amitomac am dRisaTvis Cveni wi naprebi gansakuTrebiT emzadeboden ar- mosavl eTsa Tu dasavl eT saqarT- vel oSi.

baraqian-xvaviani Semodgoma da rTvel i vusurvoT Cvens qveyanas da imediT davel odoT 2014 wl is Semodgomas.

**giorgi barisaSvili i
mcxeTa 2013w.**

rTvel i
i wureba



"kaxeTis regionSi rTvel i-2013" 25 agvistos de-dofl iswyaros rai oni dan dai wyo.

29 seqtembris mdgomareobi T wl eul s bol o aTwl e-
ul is gamavl obaSi kaxeTis regi onSi 81 kompani am re-
kordul i raodenobis – 80097,6 tona yurZen i Ro da
gadaamuSava (SaR San sul 52 000 tona yurZen i Cabarda
da daiwura); saferavi – 25 570,8; rqawi Tel i – 51 660,6,
kaxuri mwvane – 1406; sxva i Sebi – 1406,2 tona.

yurZnis mi Reba-gadamuSavebis procesSi CarTuli
 81 kompanii dan 79 kerzo da 2 saxel mwi fo sawarmoa
 (Sps „gruzvinromi” da Sps „akura”). saxel mwi fo kom-
 paniebma Seisyi des da gadaamuSave 12479,6 tona yur-
 Zeni, rac saerTo mocup obis 15%-ia. (cnobi saTvis,
 2012 wel s saxel mwi fo kompaniebi s mi er gadamuSave-
 bul i yurZni swi i 65 %-s Seadqenda).

rTvel is winaswari prognosi sru ad gamarTI da. kerZo seqtoris iafi kredi tebisa da yurZnis fasis subsidi rebis Sedegad saferavze moTxovna imdenad didi iyo, rom igi mTI i anad kerZo seqtorma ai Tvisa, saxel mwifo sawarmoebs mxol od Warbi TeTri yurZnis Cabareba uwevs (gruzvinpromi s mi er mxol od 190 tona dazianebul i saferavia mi Rebul i, danarCeni ki TeTri yurZenja).

rai onebi s mi xedvi T Sesyidul i da gadamuSavebul i yurZni s maCvenebel i Semdegnai rad qamoj yureba:

- si RnaRi - 11757,6 tona;
 - gurj aani - 18095,1 tona;
 - Tel avi - 17725 tona;
 - yvarel i - 17199,8 tona;
 - dedofl iswyaro - 3965,8 tona;
 - axmeta - 2471,6 tona;
 - I agodexi - 3719,3 tona;
 - saquarei o - 5162,7 tona.

gansakuTrebül i moTxovnaa mevenaxeobis specifi-
kur zonebSi („mukuzani”, „axaSeni”, „qinZmaraul i”)
moweul saferavis j iSi s yurZenze, r isganac adgil -
wamoSobis dasaxel ebis Rvinoebi mzaddeba. aRnis-
nul is gamo 1 kil ogram saferavze ukansknel dRe-
ebSi fasebis mniSvnel ovani zrda dafiqsirda. safe-
ravis maqsimal urma fasma 2,10 l arı Seadgina. Tumca,
am fasad mxol od 76 tona yurZenı gai yi da da gadamu-
Savda.

rqawi Tel is maqsimal urma fasma 1,40 l ars miaRwia
da am fasad umet esad wi nandl is mikrozonaSi mokre-
fil i 72 tonayurZeni gai yi da. kaxuri mwvanes maqsim-
uri fasi 1,45 l ari iyo. am fasad Ziri Tadad manavis
mikrozonaSi moweul i 98 tona yurZenia Sesyi dul i
da qadamusavebul i.

kerZo seqtorisTvis nakl ebad sainteresoa si Rna-Ris raionisa da I agodexis TeTri yurZen, roml is Cabarebac saxel mwiffo sawarmoebs uwet, Tumca es procesi kerZo seqtoris interesebi s maqsimal uri qatyal, i swinehbi T sakmaqd frTxil ad mi mdinareobs

„wi Tel i“ yurZnis (saferavi) gadamuSavebis pi ki 12 seqtembers dafiqsinda, roca dRe-RameSi 4,500 tona gadamuSavda, xol o „TeTri“ yurZnis (rqawi Tel i, kaxuri mwvane) gadamuSavebis pi ki 25 seqtembers iyo, roca 3,800 tona yurZeni gadamuSavda. rTvel i mal e dasrul deba, rasac adasturebs mi Reba-gadamuSavebis bol o dReebis monacemebi. 29 seqtembris mdgomareobi T dRe-RameSi 1,978 tona yurZeni gadamuSavda. saferavis mosaval i miil ia da misi dRiuri gadamuSaveba daaxl oebi T 30-40 tonas Seadgens.

Rvinis kompaniebs Soris SeiZI eba aRiniSnos Sps "GWS", Sps „tifi isskivinnipogreb”, Sps „badagoni”, Sps „dugl aZeebis Rvinoebis kompania”, Sps „vainmeni”, ss „Tbil Rvino”, ss „Tel iani vel i”, Sps „Tel avis Rvinis marani”, Sps „kaxuri tradi ciul i meRvineoba”, Sps „korporacia qarTul i Rvino”, Sps „winandl is Zvel i marani”, roml ebmac ukve gadaamu\$aves aTas tonaze meti yurZenjida kyl avac agrZel eben yurZenjisa Sesvi dvas



da mai nc, ra ari s vazi da Rvi no?

me var venaxi WeSmariti, xol o Cemi zeciuri mama mevenaxe~



Rvchiqvelisagdzebebiyeli balynden-sazogadoebiyanem Rvnebebi
I ebebi T vazl (yurZeni) da Rvin no nebl smier sakveb produqts di dad aRemateba. sazogadoebri v yofierebaSi
Isini gamokveTII ad fI obchnen da fI oben I ideris pozici as da, bunebrivia, sazogadoebi danac adekvatur
Sefasebas lmsaxureben. vazls da Rvnis raobis srul - fasovnad warmoCena-gamomzeureba martoe mecnierul i
kuTxil ver moixerxdeba, radgan ai nStainis Sefasebi T:
„mecnieri reba rel Igli s gareSe koWl ia, rel Igli mecnier
rebis gareSe – brma”. vazlsa da Rvinis mier fenomenTa
j erovani warmosaxva mxol od istoriul, sabunebis
metryvel o da saRvTi smetyvel o mecnieri bebz dayrd-
nobl Taa SesaZI ebel I.

kanonikuri gamartebiT: „Rvino aris yurZnis tkbi-
I is an durdos srul i an nawil obrivi al kohol uri
duRil is Sedegad miRebul i produqtI“. erTi wi nadebi T Rvinis arSi Cawdoma rom ver moxerxdeba, faq-
tia. axl a Tval i mivadevnoT briusel is evrokomiis i s-
sxdomis frangul i del egaciis oficial uri komuni-
kedan amonarids (1990): „Rvinis istoria ganuyofel ia
kacobriobis istorii sgan. Rvino – vazisa da adamiani s-
Sromis nayofi, ar unda aRvi qvaT, rogorc ubral o sas-
mel i. a Taswl eul obiT adami an Tan Tanaobi T mas yovel -
Tvis axl avs ori arsi: wmi nda da vul garul i. is civi-

biblis, uflis mcnebebis, damrRvev, rCeul venaxs"
hgavs qarTvel i eri, romel sac codvebi saTvis RmerTvis
wyal obiT totebi SeaWra angel ozma da fesvebi Ra
dautova

mama giorgi basili aze

Izaciis sazomi da cxovrebis xarisxis kriteriumia, kul turis monapovari da sazogadoebrixi cxovrebis faqtoria". am sakmaod Rirseul SefasebaSi I aparakia kacobriobis da Rvinis istoriis ganuyofl obaze, rac Cveni mxriv civil izaciis sawyisebs, momdevno periodSi mevenaxeoba-meRvineobis dargobrivi Canasaxebis warmoSoba-Camoyal i bebi sa da dafuznebis etapebis sa-Tanadod qaSuqebas moi Txovs.

Chnobil ia, rom adamiani cxovel Ta samyaros sabol o-od 2-2,5 mil ioni wl is win gaemij na, xol o miwaTmoqm-deba-mesaqonel obas, anu sakveb warmoebazee gadasvl as, mxol od bol o 10 000 wl is win mohkida xel i. rekorduli i asaki saavel uri vazi, roml is uZvel es (15-10 mil ioni wl is) qvadqceul naSTebis qvemo qarTI is teritoriaze dResac poul oben da maTgan Zvir f as suvenirebs amzadeben. samecnierol literaturaSi am asakis vazis arseboba araris dafiqsirebul i. rac Seexeba bibl i ur wyaroebis, aq venaxi (venaxovani) pirvel ad dababebi swi gnSi „nodi“ terminiT gvxvdeba (dab. 4.16): „gadai xvewa kaeni ufl is pirisagan da daesaxl a nodis qveyanaSi, edemis aRmosav-TeTiT“. „nodi“ igive „nai di“, sul xan-saba orbel i anis ganmar tebiT, nadobil ars anu navenaxars ni Snavs, edemis aRmosavl eTi ki geografiul ad amierkavkasi as Tan (bu-nebrivia, qvemo qarTI Tanac) modis TanxvedraSi.

nebi TvaT, qvemo qar TI TanaC) mudi's Tankevci ast. safuZvel s mokl ebul i ar iqneba vi figroT, rom ede-
mis baRidi dan gamoZevebul i adamis ufrosi Ze-kaeni, Ta-
vis saqmianobisaTvis Sesafer adgil s moi Ziebdia (is mi-
waTmoqmedi iyo), risTvisac qvemo qar TI is venaxovani
airCia, iq dafuZnda da gamravl da (SemdgomSi mis STA-
momavri obas sxva xal xi c Seeria). mi gvaCnia, rom swored
aqaurma aborigenebma erT-erTma pirvel ebma daiwyes
mwarmoebl ur meurneobaze gadasvl a, vel uri vazis, xe-
xil is Tu marcvl eul is kuli turaSi gadatana, yurZnis
daWyl etva-dawurva da Tvisobrivad axal i produqtis
Rvinis mi Reba-dayeneba. aq TandaTan gaCnda mkvidr bi-
nadarTa sofl ebi, ramac qal aquri dasaxl ebebis war-
mosobas Cauyara safuZvel i: „gaaSena kaenma qal aqi da
uwoda am gal aqs enoqi” (dab. 4.17).

Cveneu i versia damyarebul ia di di rusi bi ol ogisn. vavil ovi sa da gamoCenil botanikos mecnierTa: I. dekabril ovi Ci s, v. menabdes, v. Jukovski s da sxi. mosazrebze. swavl obdnen ra msofl io masStabi T kul turul mcenareTa warmoSobis saki Txebis, maT amierkavkasia marcvl eul i kul turebis warmoSobis erT-erT udi-des centrad, vel uri da kul turul i vazis formaTa warmoqmnis ZiriTad da xexil is gavrcel ebis erT-erT udi des da uadres kerad miaCndaT. es mosazrebani 1958 wel s Sul averis (qvemo qarTI i) kul turis namosax- I arebSi mopovebul arqeomasal ebSi j erovnad ai saxa.

isini arqeoparal el ebiTa da radiokarbonatul i monacemebi T Zv.w. VII aTaswl eul is dasasrul iT, VI aTaswl eul iTa da nawiL obriv V aTaswl eul is dasawyisi T daTariRda. aq aRmoCenil ia:kul turul i vaziswi pwebi, Rvinis 2, xorbl is 9, qeris 5 saxeobis da sXv. marcvl eul kul turaTa naSTebi. gansakuTrebul yuradRebas ipyrobis CvenSi nayofierebis kul tisa da rel igiis arsebobis damadasturebel i uZvel esi arqeomonapovari: TixaSi maRaL mxatvrul ad Sesrul ebul i qal is mcire zomis qandakebebi, yurZnis mtevnis barel iefiT Semkul i, didi mocl obis Tixis dergi da saRvine Tixis fragmentze mamakacis fal osiani gamosaxul eba, aRmar-Tul marj venaSi yurZnis mtevnis T damSvenebul i. es ukanasknel i, mecnierTa azriT, msolfi oSi uZvel esi vazi-sa da Rvinis RvTaeba unda iyo.

bibl iaSi pirvel mevenaxe-meRvinet miCneul ia noe, romel mac warRvinis Semdeg pirvel ma gaaSena venaxi da dayena Rvino. arqe-bibl iur monacemTa Sej erebi T msolfi o warRvna daaxl oebi T 5000 wl i swin, Zv.w. mesame aTaswl eul is bol osmoxda. andros noe 600 wl i siyo (dab. 7.6) da mis Semdeg ki dev 350 wel i icocxl a. ki dobni dan gadmosul i noe araratze venaxs rom ver gaaSenebda, ewws ar badebs. uellvel ia isic, rom venaxis gasa-Senebl ad axl omaxi o teritoriazekul turaSi Sesul i vazebis, venaxovani s mozieba daswirdeboda, rac qvemo qarTi is teritoriaze udavod daxvdeboda (SesaZl ebel ia, am venaxovani s Sesaxeb informirebul ic iyo). amitom, didi al baTobi T, manoj axi TurT Crdlil oeTiT amoizevi Ta, samxreT saqarTvel oSi dasaxl da, dafuZnda da aqedan gaiSal a... TavisTavad i badeba ki Txva: Tav-dapi rvel ad noem xom ar daiwo vel uri vazis gakul-tureba da xom ar iyo am saqmis „pioneeri“? ra Tqma unda ara. bibl iuri teqtidannati ad Cans, romis ukve gar-kveul i avenaxis movl a-moSenebasa da Rvinis dayenebaSi. manicis, rom venaxis gakul turebas saukuneebi swirdebba (rasac SesaZl oa misi darCenil i wl ebi ar eyofoda), amierkavkasi aSi kul turul i vazis moziebas ki mxol od dReebi daswirdeboda.

amgvarad, bibl iur-mecnierul monacemebze dayrdnobiT aSkarad i kveTeba, rom Sul averis namosaxl aris naSTebi (kul turul i vaziswi pwebi, Rvinis da marcvl eul i snaSTebi), romel Ta asaki 8 000-mde wl i saa, warRvnamde 3000 wl iTadrindel i Semoqmedebaa. Semoqmedni ki i yvnen qvemo qarTi is aborigenebi, SesaZl oa, bibl iuri „nai dis qveyanaSi“, anu venaxovani s dasaxl ebul i kaenis STamomavl oba. i sini, noes dabadebamde sul cota 24 saukuni T adre, ukve er kveodnen mevenaxeoba-meRvinobis safuzvl ebsi, hyavdT vazi sa da Rvinis RvTaeba da dargobri v codna-gamocdi l ebas tradiciul ad gadascendnen warRvnamdel Taobebs (maT Soris noesac – adamis X STamomaval s). Zvel i epoqis codna-gamocdi l ebi s axial-Si gadmotana-gavr cobis misi a noem da misma oj axma pi rnaTi ad Seasrul es, meRvinis Tval sawieri daniki bibl iuri noe er TaderTi wveTi wminda kul turis safuaria, romel zedac daduRda axial i civil izaciis Rvino.

bol owl ebSi qvemo qarTi i kvl avmsolfi o masStabis arqeol ogiuri aRmoCenis mowme gaxda. Sul avris kul-turi dan 50-mde kilometri, dmanisis namosaxl aris aRmoCines 1800 000 wl i swinandel i aborigenta saZval e. mecnierul ad dadginda, rom „dmanisel ebi“ Tavis qal i sada morfol ogiuri ni Snebi Taxl os dganan afrikis uZvel es adamianebTan. maT pirvel ebma gadmoaRwi es afrikis kontinenti dan da uxsovari droi dan damkvi dardnen Cvens qveyanaSi. am periodis adamiani s nakval evi evropisa da azi s qveynebSi ar Cans, ri Tac dasturdeba, rom evraziaSi adamianTa gansaxl ebi s gza amierkavkasi-aze, kerZod, saqarTvel oze gadi oda da rom msolfi i os

yvel a did civil izacias Sexeba hqonda aqaur kul tu-rasTan.

aseT preistoriul fonze yuradRebas imsaxurebs bibl iaSi aRweril i faqtebis identuroba: 1. edemis baRi dan gamoZevel i kaeni axal cxovrebas venaxovani dan i webs. 2. warRvnaqmil i noe dafuZneba-aRor Zi-nebis ni Snad upirvel esad venaxs aSenebs da Rvinos aye-nebs. es yvel aferi ki, daaxl oebi T 3000 wl iT gansxvavebul periodSi, erTi da imave adgil ze qvemo qarTi Si, uZvel es aborigenta sabudarSi xdeba.

aTaswl eul ebs, bunebrivia, uqmad ar Cauvl ia. Cven-ma wi naprebma gaacnobieres ra Rvinis „Rmer Tmyofel i“ xibl i, gamoi yvanes rekordul i raodenobis vazisj iSi, dai xvewa da yofierebaSi Caj da maTi movl a-patronobis unar-Cveva da tradicia. maRaL profesiul i dargobri-vi kul turis wyal obiT TiToeul ma j iSma saTanadod gaiara ekol ogiur pirobebTan adaptacia – Camoyal i-bebis vrcel i periodi da Sesabami smikrozonebsa da re-gi onebSi damkvi drda. Zv.w. VII aTaswl eul i dan xmar ebaSi Semodis Tixis WurWel i, Semdeg aTaswl eul ebSi Cndebe jer qvaSi gamokveTi i, Semdgom xi sa da qvitkiris saw-naxl ebi, mravl deba qocoebi, qvvrebi, saqaj avebi da mraval i sameurneo inventari... meRvineobam ukve ci sq-veSeTi dan maranSi Seabij a da myarad dafuZnda.

teqno-progresis paral el urad TandaTan gamoik-veTa, dai xvewa da Camoyal ibda vazisj i Sur-agrokl i-matur pirobebTan harmoniul ad misadagebul i sur-ris mShral i (kaxuri, ingilouri, imeruli i), bunebrivid tkbil i, naxevrad tkbil i da cqrial a Rvinoebis dayenebis Tvi Tmyofadi teqnol ogiebi. qarTvel ma meurnem genetikurad gaisisxl xorca vazisa da Rvinis xasiati, vazisgan: sibrZne, si uxve, Sromis pativi, WirTaTmena, gautexl oba, Rvinisgan: siZl iere, moyvasisi yivarul i, stumarmaspinZl oba, samartl ianoba, mol xena Tu sicocxl is xal i si. qarTul yofierebasa da adaT-wesebsi Rrmad Caj da da Tvisobri vad aRorZinda vazisa da pur-Rvinos mravl ismomcemi fenomeni, ramac samagal iTod aamaRI a da Tvi Tmyofadoba SesZina erovnul zneobas. qarTul ma xasiati zedmi wenvi T moirgo didi aristotel es si tyvebi: „zneoba es aris i xovro Seni xal xis wes-Cveul ebebi T“. wm. il ia marTal ma ki kvl av aborigenta pirvel ad gaxednil bedaurze migvi TiTa: „vazi Cveni gonebrivi da zneobrivi Tvisabaa“.

sul ieri Tval TaxedviT vel uri vazis gakul tureba ugunuri, urwmuno adamiani s morj ul ebad aRiqmeba, radgan bibl iaSi „mavne da Sxami ani nayofis momcemi vazisj“ RvTi s urC sul Tanaa gai gi vebul i. aborigenta udi-desi damsaxurebaa, rom maT yvel aze adre da masobri-vad „moarj ul es“ da STamomavl obas uboZes 530-ze meti vazisj iSi. Tu gavi Tval i swinebT, rom erTi j iSis ga-





moyvanas sui cota 3 saukuni s garj a da ruaduneba swi - deba, 6 000-j er naWi ranaxul evi qveyni s w. mariam RvTi - mSobel ze (vaz-venaxi s simbol od aRiarebul - rj ul is dedaze) wi l xvdoma, al baT, damsaxurebul j il dod unda CavTval oT.

amgvarad, saqarTvel o qristianobis gariJraJze w. mariamis wi l xvedri qveyana gaxda, misive boZebul i vazis j vrit (w. ni nos xel iT) gainaTi a, himnad „Sen xar venaxi“ aaJRera da sul iT xorcamde eziara „RvTiur geniol ogias“, roml is Sesaxeb ufal i brZanebs: „me var vazi WeSmari, Tqven I erwebi misi, mamaCemi ki mevenaxe“ (ioan. 15.1; 15.5). vazisa da pur-Rvinos sakmaod aRmatbul i qristianul i Rirebul ebebis Fonze qarTvel ma qristes rj ul i samagal i Tod gai Tavisa, ris Sedegad saukuneTa ganmavl obaSi qristianoba da qarTvel oba to fardi mcneba gaxl daT.

Tu davavki rdebiT, Tavdapi rvel ad qarTvel ma moar- j ul a vazi, Semdgom ki vazma (vazis j varma) gadagvi xada samagiero da WeSmari t sarwmunoebaze mogvaqcia. RvTi s Sewevni T es „vaz-kacuri“ maraToni dResac grZel deba: qarTvel i mezvre Tavs evl eba venaxs da isic xvavrie- l ad asaCuqrebs naWi ranaxul evi T. rac Seexeba Rvinos, man siyrm Tve i Tava da dResac pirnaTi ad asrul ebs zeval debul ebas: daexmaros adamians misi Semecnebi- Ti, zneobrivi da esTetikuri moRvawebis umaRI esi mi znebis, WeSmari tebis, keTiL Sobil ebi sa da sil amazis aRqma-ganxorciel ebaSi.

si tyva vazi (yurZni s xe [saba]) dabadebi s Tar gmansa da saer Tod Zvel qarTul Zegl ebSi ar Cans da mxol od IX-X saukuneebSi Semodis xmarebaSi. uZvel esi warmomavl obis si tyaa venaPi, romel ic Tavdapi rvel ad erTi Ziri vazis mni Svnel obiT ixmareboda, momdevno xanebSi ki vazis baRis mni Svnel obaSei Zi na. i.v. j avaxi Svi l is argumentirebul i mtki cebul ebi T si tyva venaPi RvenaPi sgan anu Rvinis xi sgan unda i yos Tavdapi rvel ad warmomdgar- ri. si tyva Rvino ki, gamoCenil i qarTvel i mecnierebis: i.v. j avaxi Svi l is, g. wereTi i sa da v. Tofurias gamok- vi evebi T, qarTul i warmoSobi saa da aqedan gavrcel - da sxva qveynebSi. maT kvl evebs damaj erebl obas sZens dabadebaSi Semonaxul i Zvel ebraul i gadmocema, sa- dac ami er kavkasia vazis da Rvinis samSobl odaa mi Cne- ul i. am Rirebul dokument ze dayrdnobi T g. wereTel i brZanebs: „seriozul i safuzvel i gveZl eva, rommaRal i kul turis maCvenebel i si tyva Rvino qarTul i dan gav- rcel ebul iyo mTel msofl ioSi“. Rvinis saxel debis qarTul versias ucxoETSi momxreebTan er Tad mowi- naaRmdegeni c hyavs. Cveni Rrma rwmeni T ki, aq sakamaTo atraferia, radgan war Rvnamde 3000 wl i T adre Seqmni l

pirvel i sasmel is saxel debas, bunebrivia, Semqmnel s veravin (da aravin) daaswrebda. Rvino, rogorc saxel - wodeba da rogorc produqt i WeSmari t ad qarTvel aborigenTa Semoqmedebaa da maTi dacal keveba mxol od „mimtevebel“ Rimil s imsxurebs.

aqve unda aRvnis SnoT, rom Zvel saqarTvel oSi si ty- va Rvino kal endarul i datvirTvac hqonda. mxol od orad orma qveyanam – saqarTvel om da baskeTma uwoda oqtombersvazi smieri saxel i, qarTvel ebma „sTvl isay“, baskebma „(h)urde“ anu yurZeni; qarTul xal xurma si ty- vierebam ki es Tve „Rvino bi sTved“ monaTI a.

j er ki dev XVIII saukuni s saqarTvel oSi mi wa-wyl is or mTavar geografiul da botanikur-agronomiul nawi- l ad, mTad da barad, gayofa mevenaxeobis gavrcel ebi s Tval sazrisiT gani sazRvreboda: sadamdec mevenaxeoba Sesazl ebel i iyo, iqamde teritoria barad, mis zemoT ki mTad i wodeboda. e.i. saqarTvel oSi mTa-baris gammij nav- i zol i venaxze gadi oda. am dar gebs friad mni Svnel o- vani adgil i ekava sagareo vaWrobaSi c: qarTul i Rvino odi Tganve saeqsport o sagans Seadgenda. ami tomac iyo, rom Semosevebis dros mteri pirvel rigSi venaxsa da Wur-marans anadgurebda.

saqarTvel oSi mraval i vazis j iSi atarebs Tavisi „momrj ul ebl is“ gvar-saxel s da piriqiT, uamrav qar- Tul gvarSi a gaJRerebul i yurZni seul produqt Ta saxel i. SegiZRvebaT Tu ara qarTvel i mezvre venaxSi, saTiTaod gacnobT Tavis „sanaTesaos“: es „begl aris vazia“, es „mamukas safere“, es „simonaseul i“, „j aWVaZi- seal i“, „WeiSvi l i“, „beJaSvi l i“, „mgal obl iSvi l i“... ax- I a Wur-marans SegipatiJebT da damxvdur samegobros: rTvel iaSvi l ebs, mezvriSvi l ebs, memarniSvi l ebs, Wu- raZeebs, meqvevriSvi l ebs, kasraZeebs, maWaraSvi l ebs, badagaZeebs, Rvi ni aSvi l ebs, meRvi neTuxucesebs gagac- nobT. ami s Semdeg ukve surfaze mogixmobT da Tavis „sanaTesaos si sxl Tan“ (Rvino Tan) gaziarebT. aseT natu- ral ur Fonze ucxo stumar sac ki aRar uCndebea ki Txva: ratomaa qarTvel i saTvis vazi oj axis wevrTan Tu na- Tel -mironTan gai givebul i; xol o Tqma imisa, rom sa- qarTvel o simbol urad venaxia, al baT, Tvi Tuaryofis tol fasi a. saqarTvel o simbol urad ki ara, WeSmari t ad venaxovani a.

adami anebi yvel aze xSi rad sanTel sa da Rvi noze il o- cebian. bevrma ar i cis, rom ufal Tan damakavSi rebel i es ori RvTiuri fenomeni erTmaneTs moi cavs: futkari neqtars xSi rad vazis yvavil i sgan igrovebs, yurZni s marcvl is kani ki cvi l ovan ni vTi rebebs Tvi Tonve Se- i cavs da Rvino gadascems; Tafl i sganac mzaddeba sau- keTeso, samkurnal o Tvi sebebi T daj il doebul i Rvino da yurZni tkbil isganac Tafl ze aranaki ebi si tkbos mqone produqt badagi; mraval i dasaxel ebi s Rvino fl obs e.w. „Tafl is tonebs“ da mraval i kvebi Ti dana- mati mzaddeba Tafl isa da yurZni produqt ebi s Tana- urobi T. saqme imASia, rom futkris masazr doebel i ay- vavebul i venaxi Teol ogi urad mtevni s mosxmas anu uf- l is Casaxva-dabadebas, xol o am mtevni dan dawurul i Rvino j varcmul i ufl is danTxeul si sxl Tan zi arebas gamoxatavs. aseTi qristesmieri saer To sawyi si aqvs me- venaxeoba-meRvi neoba-mefutkreobas.

arsebobs Zvel i gurul i vazis j iSi „sakmevel a“, ro- mel sac es saxel i marcvl is kanSi (da Sesabami sad Rvino- Si c) uxvad warmodgenil i sakmevl is Semcvel i aromatu- l i komponentebi s gamo ewoda. ase rom, am j iSi yurZeni Tu Rvino, es udi des sai duml oebasTan saziarebel i si Txe, Tvi Tonve moi cavs sanTel -sakmevel s da yovel i warmoTqmui i sadRegrZel oTi i ocavs, sanTel s un- Tebs da gundruks ukmevs RvTi sni er gzaze Semdgar qar- Tvel ers.

yurZeni da misi produqtеби, antikuri xani dan axl o warsul amde tradiциул i medicinis erT-erT far Tod gavrcel ebul samkurnal o saSual ebas warmoadgenda. yurZni T (an misi wveni T) mkurnal obas ampel oTerapia, Rvini T mkurnal obas ki enoTerapia ewodeba. ampel oTerapia dietoTerapii is erT-erTi meTodia da eqimis daniSnul ebiT medikamentozur da sxva saxi s mkurnal o basTan kompl eqsSi (ZiriTadad qronikul i daavadebebisas) gamoiyeneba. gacil ebiT far To SesaZI ebl obebs fI obs enoTerapia, radgan Rvino Seicavs 1500-ze met komponents, romel Tagan 350-mde samkurnal o Tvisebebis matabebi ia. anu Rvino warmoadgens Terapiul komponentTa uZiro arsenal s, yvel a sakveb produqtje jerovnad aRmatebul s.

spirtebi, vitaminebi, makro da mikroel ementebi, amino da organul i mJavebi, mTrTmiI avi da saRebavi niv-Tierebebi, pol ifenol ebi, peqtinebi da ssv.cal keul ad Tu kompl eqsSi ganpi robeben antiqsidantur, anTebis sawinaaRmdego, baqteriocidul, antivirusul, antistresul, kardio da radioprotektorul, antial ergiul, antisimsivnur Turig sxva samkurnal o-profil aqtikur Tvisebebs da mwvane Suqs unTeben enoTerapii is kol osal ur SesaZI ebl obebs.al baT, Rvini samTvisebi smraval ferovnebam aTqevina saxel ganTqmul mkurnal avicenas (980-1037 ww.): „Zvel i Rvino samkurnal o waml ebis rigs miekuTvneba da ara kvebiT produqtебисас“.

amdeni samkurnal o TvisebiT daxunZI ul i si Txe, Rvini samSob-I oSi, samwuxarod, mxol od sakvebi daniSnul ebiT moi xmareba. es maSin, roca mRvineobis wamyvan qveynebSi ukve 10-15 wel ia gaxsnil ia mraval i enoTerapiul i centri, sadac pacientebs Rvini sa da vazis I erwis abazanebiT, Tafl -Rvini safenebiT, Rvini ni RubeiT, dafqul i wi pwebi Ta Tu sxvadasxva enopreparatiT mkurnal oben da 2-3 kvi-rraSi dadebiT Sedegebs aRweven. saWiroa da aucil ebeli, CvenTanac droul ad movaxdinoT yurZni s produqtTa Terapiul ampl uaSi warmoCena, rac sakmaod mni S-vnel ovan Tvisobriv da ekonomi ur efefqts gamoi Rebs. am mimar TebiT qveyni s samecni ero-kvl eviT dawesebul ebebSi bol o aTwl eul Si sakmaod seriozul i nabi-j ebi gadadga: SemuSavda da dasanergad gamzadebul ia mraval i samkurnal o-profil aqtikuri daniSnul ebis ual kohol o da al kohol uri sasmel ebis, kvebiTi danamatebi sa Tu enopreparatebi damzadebis teqnoI o-gia.

Rvini Tu sxva enoTerapiul saSual ebaTa gamoyene-bamde kar gad unda verkveodeT maT dietur da samkurnal o SesaZI ebl obebsi, raTa mi zandasaxul ad warvmar-ToT konkretul i daavadebis profil aqtika-mkurnali oba. amis Semdeg eqimTan SeTanzmebiT mkacrad unda davi cvaT maTi moxmarebis dro, doza da mi Rebis wesi. mxol od aseTi midgomiT i ziarWurWI ebs momxmarebel-Tan yvel a is enoTerapiul i fenomeni, rasac Rvini T svase fial a gTavazobT.

„Seican Tavi Seni“ mogviwodebs ufal i. ammetad saptio darTul i misi is aRsasrul ebl ad Tavdapi rvel ad unda gaverkveT Cveni yovel dRiuri qmedebis avkargianobaSi, risi srul fasovnad danaxva-Scenoba sakmaod gviZnel deba. Cveni uaryofiTi Tu dadebiTi Tvisebe-

bis sakmaod swrafad da Tval naTI ivwarmoCenaZal uZs Rvinos, romel sac akademikosma prostoser dovma „mziuri energiа“ uwoda. Txier fazaSi warmodgeniI i „mziuri energiа“, i kavebs ra adamians SigTavss, gareT gamoaqvs, amzeurebs mis zneobriv xasiaTs da pirovnebas aZI evs Sanss sa Tanadod moaxdinos cxovrebaSi misi koreqtireba. Rvini s normal urad moxmareba WeSmari tebis gaze ayenebs adamians (In vino veritas), zedmetad gamoyeneba ki piriqiT: „ufal s Rvino uZI urobis nugeSiscemisTvis miucia brZenTaTvis, ugunurT ki igi codvis mizezad ucceviaT“, Segvaksenebs w. basili i didi. Rvino Sesani Snavi provokatoria: „rac gul Si aqvs fxizel s, mTvrals is enaze gamoaqvs“, ambobden Zvel i lAtinebi. amave azrs imorebs qarTul i zepir-sityierebac:

tyem Seifara nadiri, xvrel madamal a gvel io,

Rvini nom ki gamoamJ Ravnay moyvarea Tumterio.

Rvini am „gamomamzeurebel“ Tvisebas xSirad i yenebdnen Cveni wi naprebi sasiZos xasiaTs Secnoba-gansasj el ad.

Rvino ver i tans si Zunwes, Sedegad, „Rvini ganzomil ebaSi“ myofi zedmetad momWirne pirovneba xSirad „gul mowyal ed“ gardaisaxeba (rasac gamofxiZI ebul i Zal ian ganicdis). Rvino gambedaobasa da si Tamames iZI eva, is sul ierebis msaxuria da gul wrfel obas badebs. swavl ul-TaTvis ezoTerul i codnis uSreti wyaroa da amitomac gaxda el ituri sazogadoebisa Tu xel dasxmul Taxvedri. Sair-kafiis ucvl el i attributia aq eqspromtad amoTqmul i „daj agnul i“ frazebi, isini xom xSirad xal xuri poeziis margal itebad gvevl ineba. amitomac xmamaRI a vi tyvi T: saukeTeso Rirsebis Rvino xel ovnebaa xel ovanTaTvis.

zomierad mi Rebul i Rvino zrdi-l obis, pati viscemis, sil amazis, siyvarul is gamovi enaa. is dadebi Ti emociebiT muxtavs adamians da badebs sasi keTo iniciatiuebs, moyvasi s SeZenis survil s da, rac mTavaria, sicocxl is xal iss. is samartI i anobisken, Tanaswor obisken swrafavaa, nugeSiscemaa, damegobreba-danaTesavebis saukeTeso saSual ebba. bevrj er yofil a, mosisxl emtrebi sufraze Serigebul an, ficer-cxl i (Rvini an j amSi CaTI il i vercxl i, romel sac damegobrebis mowadi neni bol omde cl i an) miuRiaT da damegobrebul an. Rvino xomWiriSi megobarze aranakl eb gamxnevebs da gamagrebs, l xinSi ki gamefebs da zeobi-Si ahyavxar. uRvinod l xini warmoudgenel ia, rogorc uJangbadod sunTqva.

I xini sabaseul i ganmartebiT WiriTagan xsnaa; Wiri borotis yol aa; boroti avis momqmedia; avi arakeTiI s ni Snavs. di oni se areopagel i borotebas sikeTis nakl ebobas uwodebs. sikeTe ki sabasve ganmartebiT wi nabWe da ezoa keTiI obisa. ai, es „wi nabWe“ rom gaaRo da „ke-TiI obis ezoSi“ Seabij o, amis garantad ufal matradi-ciul i qarTul i sufra dagviwesa.

qarTul i sufriks akademi ur obaze bevri Tqmul a da iTqmeba. misi srul fasovneba damyarebul ia aTaswl eu-l ebis manZil ze Seqmnii, uzadod daxvewiI -Camoyal i-bebul maRal zneobriv-esTetikur normebze. tradi-ciul i qarTul i sufra ar gaxl avT ugvano Wama-smisa da Rreobis adgil i. is TviTmyofadi erovnul i kul tu-





ris Tval sačino, yovl dRiuri iersaxea, sadac 11 oeu-
ul sufris wevrs kargad aqvs gacnobierebul i: visTan,
risTvis da ramdens svams. aq Tamadis mier dasuraTx-
tebul i saero da sabero sadRegrZel oebi zedmi wenvi T
misadagebul ia l eqsTan, simRerasTan, cekvasTan Tu
moSvil dul iumorTan. Tval s i tacebs da gul s axarebs
pirovnl -krebi Tobis urTserwymis samagal i To
harmonia, xel ovnebis donemdea ayvanil i saritual o
kul tura. Zvel droSi xomwera-ki Txvis ucodinar ymaw-
vil kacTa codnis masazr doebel i ZiriTadi wyar osu-
ridan mi Rebul i sibrZne gaxl daT. sufraze wydeboda
da wydeba qveyni sawi rboroto saki Txebi (Tvi T macxo-
varmac xom yvel aze di di saiduml o sufraze aRasru-
Ia). wi rva-l ocvis siyvarul i qarTvel ma sufraze
gadmoitana da sadRegrZel oebi cki ekl esii sgan dadge-
nil i rigi T warim Teba. iwyeba RvTis sadidebl i T da
mTavr deba yvel awminda RvTismSobl is dRegrZel obi T.
am yovl ismomcvel universal ebs Soris moqceul ma
pu-
robist radici ebma di di xani a qarTvel isTvis ucveTo-
bis funqci a Sei Zi na da dRe-Rami s monacvl eobis uwyet
cikl Tangai givda.

sufrasi tyvakazmul Tamadas, karg Rvinos da gul uvx
maspinZel s mihyavs Tu amaTgan erT-erTi moikowi ebs,
sufraarasrul fasovania:

meuRI e avi da Rvino mJave,

Rmer Tma gvaSoros er Tad or Tave.

yvel a drois saqrTvel oSi Rvino sufraze asakTan
mimir Tebi T saTanado dozi T ismeboda:

ymawvil sara xvdeso,

Wabuks kovzi T xvdeso,

regvens suni T xvdeso,

berikaci Tvreso.

dResac mSveni vrad funqcionirebs sufraze di d sas-
misTan SeWi debul i Tanameinaxi sadmi daxmarebis xel ad
gawvdidi xal xuri misamReri: dal ie da Segergeba, o da-
l ie, dal ie! hoda, es „RvTis sisxl sa da xorcs“ nazi-
arebi „moarul i pur-Rvino“, qarTvel i kaci, yvel gan,
stumrobasa Tu maspinZl obaSi, cdil obs dai cvas uf-
l is mowodeba: „giyvards moyvasi Seni, vi Tarca Tavi
Seni“; amitomac, 8000 wel ze metia, msibuqad, gabedu-
l ad da Tamamad daabij ebs mSobl iur miwaze, RvTism-
Sobl is mamul Si, ufl is zvar-venaxSi.

aqve unda aRini Snos qarTvel i Rvinisa da adgil ob-
ri sakvebis urTserwymis faqtoric. „msofl i os

arcerT qveyanaSi adgil obrivi Rvinoebi da sakvebi i se
ar eTanawyoba erTmaneTs, rogorc saqrTvel oSi“, ar-
niSnabs Rvinis ingl isur Jurnal „dekanteris“ gamom-
cemel i steven spurieri. prof. mixeil gerasimovi ki
kaxuri Rvinoebi s Sesaxebambobs: „es Rvinoebi saocari
harmoni i T erwymis samxreTul i mosaxl eobis cximian
da cxare sakvebs“. davamatebT, rom kaxuri Rvinoebi
didad uwyoobs xel s e.w. „mZime sakvebis“ gadamuSaveba-
monel ebas.

aTaswl eul ebs gamovl il ma qarTul ma sufram, bu-
nebrivia, arsebiTi cvl il ebebi gani cada, magram mainc
Semoinaxa bevri gaucnobierebel i ni San-Tviseba, ro-
mel Tac magiuri da sakral uri qmedebebis Suq-Crdil i
axl avs da am mxriv sakmaod saintereso Seswavl is sag-
ania. qarTul i sufris adaT-wesTa gaSuqeba-warmoCenas
naSromi ar i Tval i swinebs, Cven maTmxol od RvinosTan
damoki debul ebaSi SevexeT. erTs ki aRvni SnavT, rom
sufra sparsul i warmomavli obis si tyvaa da qarTul ad
mas tabl a(hadimi) hqvia.

SedarebiT gviandel i warmoSobis si tyvaa „Tamada“
(qarTul i purobis, sufris gamZrol i /q.s.e./), romel
ic sul xan-sabasa da niko CubinaSvil is l eqsikoneb-
Si ar aris moxseniebul i. is pirvel ad gvxdvdeba daviT
CubinaSvil is 1887 wel s gamocemul qarTul -rusul
l eqsikonSi, sadac „Tamadoba“ ganmartebul ia, rogorc
„Tumaj oba“, „TumaCinoba“, „ufrosoba“ an „Tavoba“ (mag.
Rvinis smaSi). zemo svaneTSi „Tamada“, „TamaTa“ erqva
Tibvis mesveurs, wi namZrol s, romel ic muSaobisas si m-
Reras iwyebda. 1878 wl is Jurnal „droebaSi“ zaqaria
Wi Wi naZes aRweril i aqvs mefe erekli e II-s karis saxel-
ganTqmil i „tol umbaSi“, Tamaza CareqaSvil i seul i
monaTxrobi: „sufris Tamadas pirvel s unda gamoecal a
azar feSa da daegemovnebi na saWmel i, rom sxvasac mada
misemoda“. aqedan warmomdgarasi tyva „Tavi mada“, anu
„Tamada“. am si tyvis irlgv i svxadasxva mosazreba ar-
sebobs, magram faqti erTia, „Tamada“ wmidna qarTul i
warmoSobis si tyvaa „tol umbaSi“ (topl um basi) anacvl ebs,
rac Tavyril obis meTaurs, Sekrebis ufross /Tavs/



ni Snavs. al .j ambakur-orbel i anis cnobi T „tol umbaSi“ amxanagebis Tavs ni Snavs.

Tamadobis instituti saqar Tvel oSi Zvel TaZvel i da tradi ciul ia. „Tamadobis“ aRmn Svnel i Zvel i termi-nia tabl is (sufris) ufal i, uZvel esi „nadimsa Sina wi-namZRvari“ (sibrZne ziraqisa 32).

da bol os, zogadi pasuxi saTauriseul ki Txvaze: ra-aris vazi da Rvino? raxan saqar Tvel os istoria ven-oxvni dan iwyeba, qar Tvel isTvis vazi naWrxaxul evi gzaa adami dan w. RvTis mSobl amde, miwieri da simbo-luri venaxis gamTI ianebamde. Rvino am gaze moarul TaTvis Wiris da-mal xinebel i, ufal Tanmazia rebel i, sul is gamsxivosnebel i, Rmer Tmyo-fel i siTxe.

Zvel aRmosavl ur da berZnul samyaroSi ricxvi si tyvad da si tyva ricxvad miaCndiT, pi Tagorel Ta moZRvrebiT ki: „ricxvSi aris WeSmari-ti raoba; ricxvSi cxaddeba ar-sis saiduml o“. unda davuj eroT am fundamentur naazrevs da zemoTq-mul i zogadi pasuxi s dakovrebebasrul yofis mznT vazi da Rvinis raoba axl a ricxvismierad avsaxoT:

vazi da Rvino
61 710 41 700 610 50 70 = 865

vazi da Rvinis ricxviTi asoTsaTval avis j amma Seadgina ricxvi 865. am ricxvis „gamoxadebul i ar-sis saiduml o“ ki gansacvi f'rebel i a da ufrometad sa-xarul o:

vazi da Rvino Rmer Ti a
=865 700 40 5100 910 1 = 865
865 = 865

es Rmer Tmyofel i ganmar tebi Ti tol oba WeSmari-tebad rom aRvi qvaT da damaj erebl oba SevZinoT, axl a Se-vadginoT i give si tyvaTa rigi Ti asoTsaTval avis j ami:

vazi da Rvino
61 710 41 256 10 14 16 = 100

am SemTxvevaSi c rigi T da ricxviT asoTsaTval avTa j amebs (100 da 865) raodenobrivi sxvaobis mi uxedavad erTi dai give Sinaarsobrivi datvirTva aqvT, rac gamo-iwia uzenaesTan gai givebul i si tyvis Canacvl ebam:

vazi da Rvino q r i s t e a
= 100 24 19 10 20 21 5 1 = 100
100 = 100

rogorc vxedaT, vazi da Rvinis ricxviTma da ri-gi Tma asoTsaTval avTa j amma Sinaarsobrivid gai givebul i tol oba mogvca, erTi gansxavebi T: rigi T asoTsaTval avma daakonkreta, rom vazi da Rvino simbol u-rad qriste anu Ze Rmer Ti.

radgan j vrad gamosaxul i vazis ori toti da „RvTis sisxl Tan“ gai-givebul i wiTel i Rvino qar Tvel Ta udidesi siwmindiebia, ami tom vazis da Rvinis fenomenTa gamTI ianeba da macxovris simbol ur saxed gardasaxva, al baT, I ogikur kanonzomie-rebad unda aRvi qvaT.

vi TavsebT ra did pasuxi smgebl o-bas gammar tebiT tol obebSi aRniS-nul i uzenesi Rirebul ebebis mi-mart, mosal odnel i „SemTxvevi Ti“ Tu „damTxvevi Ti“ versiebi sganigno-rirebis mi zni T gTavazobT tol obis Semadgenel i si tyvebis ganmar tebiT interpretaciebs bibl iuri da saRv-Tis metyvel o wyaroebidan:

„me var vazi WeSmari-ti, mamaCemi ki mevenaxe“ (ioan. 15.1).

„Cemi xorci namdvil i saWmel i a da Cemi sisxl i namdvil i sasmel i“ (ioan. 5.55).

„sul ieri wyl ul ebis mkurnavad sul iwmindis grZnobil T egul ebo-daT sul ieri Rvino, zeciuri Rvino“ (Rmer Ti). simon RvTis metyvel i. (g. basil aZe, „fexiTmosiarul e“, III naw., Tb., 2010, gv. 5.).

„gi xaroden sul isa wmindisa mier dawidnul o da macxovrisa, vi Tarca mtevnis a sava si nayofad gamo-Rebel o“ (akatisTo, RvTis saswaul momqmedi xatisa „Sen xar venaxi“).

vfiqrobT, saTauriseul Seki Txvas WeSmari-ti, yov-l ismomcvel i da sasurvel i (metadre qar Tvel isTvis) pasuxi gaeca. pasuxi damafiqrebel ia da aRmatebul garj a-rudunebas gvakisrebs mevenaxeoba-meRvneobi s dargis mesveurT, rigi T meurnesa Tu sazogadod qar Tvel s, radgan am dargebi s meoxebi T RvTiuri Semoqmede-bis msaxurad moviazrebiT.

Tamaz kobaidze,
sagar Tvel os Rvinis erovnul i saagentos enoTekis special isti, teqnikur mecniereba Ta doqtori

AND STILL, WHAT IS THE VINE AND WINE?

TAMAZ KOBAIDZE
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Doctor of Technical Sciences*

Based on Historical, Natural and Theological sciences is represented the essence of Vine and Wine in the present work. Their spiritual and material values are duly highlighted. There is also discussed sectoral foetuses clues-development and establishment of Viticulture – Winemaking.

qvevris sarecxi tradiciul i saSual ebebi saqarTvel oSi

qvevris recxvasa da zogadad marnis higienas, SeiZI eba iTqvas, rom Rvinis qarTul ad dayenebis saqmeSi umTavresi adgil i uWiravs. yurZnis xarisxi dan dawyebul i, misi gadamuSavebi T damTavrebul i, yovel i etapi sabol oo produqtis – xarisxi ani Rvinis misaRebad Tavis rol s asrul ebs, magram Tuki Rvinis dayenebis romel i me etapze daSvebul i mciri Seccomis gamosworeba xSi rad SeiZI eba, qvevris arasaTanado recxva-higienas namdvil ad mi vyavarT gamousworebel Sedegamde. unda i Tqvas, rom qvevriSi Rvinis dayenebis saqmisaTvis erT-erTi yvel aze rTul i procesi qvevris recxvaa, rasac auci l ebl ad esaWiroeba Zal ze gamocdil i xel i. ra Tqma unda, im metad mni Svnel ovan processi, rogoric Rvinis dayenebaa, araprofesional i TiTqmisi ar monawi l eobs, magram zogierT etapze dasaSvebi a Sedarebi T gamoucdel i adamiani ebs Carea, rac, rogorc ukve aRini Sna, qvevris recxvis SemTxvevaSi srul i ad unda gamoiricxos.

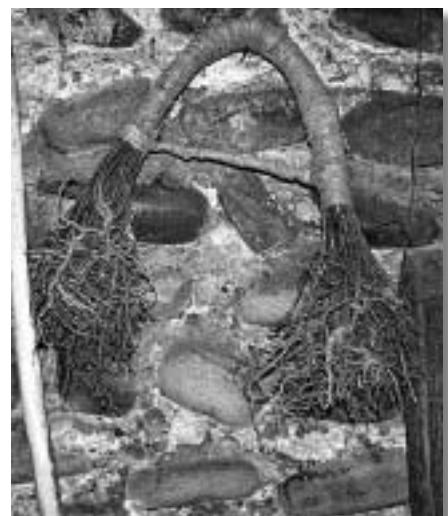
sagul isxmoa, rom qarTul ena-Si gvxvdeba termini – „qvevris mrecxavi”, rac gvafiqrebinebs, rom am operacias profesional i adamiani axorciel ebda da aRni Snul i termini dan gamomdinare, cxadi xdeba, rom misi saxi T saqme gvaqvs adamiani s erT-erT profes-siasTan. yuradsaRebia erTi mniS-vnel ovani momentic, kerZod, qar-Tul enaSi meRvineobasTan dakav-Sirebul mraaval terminiTan erTad bevr imgvartiyvada terminSac SevvxdebiT, roml i Tac arasaTana-dod garecxil qvevriSi dayenebu-l i Rvinis gemos damaxasiaTebel i niSnebia gadmocemul i. magal i-Tad: „xel iani Rvino”; „Rvinos xe-l i aqvs”; „Wuris gemo dahkravs”; „qvevris gemo” Tu sxv.

TavisTavad cxadia, radganac am-gvari terminebi arsebobda, bunebravia iarsebebda iseTi adamiani c, roml ic erTmaneTisgan gaarCeva-da Rvinis sxvadasxva nakl ovane-bebsa da maT Soris arasaTanadod garecxil qvevriSi dayenebul i Rvinis gemosa Tu suns. qarTul i istoriul -eTnografiul i wyaro-ebid dan irkveva, rom CvenSi araTu zadiani Rvinis gemos amomcnobebi, aramed sxvadasxvavazisj iSisyur-Zni dan dayenebul i da Semdgomad erTmaneTSi Sereul i Rvinis cal-

cal ke gamrCevebicki yofil an. saqarTvel oSi qvevris gasarecx saSual ebad marnis bevri iaraRi gamoiyeneboda da gamoiyeneba am-Jamadac. unda i Tqvas, rom Cveni qveynis mevenaxeoba-meRvineobis kuTxeebSi qvevris sarecxi saSual ebebi erTmaneTisagan sakma-od gansxvavebul ia. gansxvavebas vxvdebiT qvevrebis – guria-sameg-rel os, raWa-l ecxumis, qarTI -kax-eTis sarecx saSual ebebSi. qar-Tul i marnis am iaraRebs saqarTvel os kuTxeebis mixedviT sxvadasxva Sesabamisi saxel ebi Ta Tu sinonimeti moi xsenieben. ase maga-l i Tad, „sarcxi”, „sarcxel i”, „kra-zana”, „orxel a sarcxi”, „Casaval i sarcxi”, „orCxuSi”, „Rvi is cocxi”, „sazedao sarcxi”, „orCxe”, „bal-Ronj i”, „Tagvisaras cocxi”, „saq-vedao sarcxi”, „qefercxo”, „ofi-Wo”, „kvinWa”... modiT, ori si tyvit ganvixi l oT qvevris gasarecxzi zogierTi saSual eba aRmosavl eTs Tu dasavl eT saqarTvel oSi.

krazana (HYPERICUM)

qvevris sarecxad aRmosavl eT saqarTvel oSi da metadre kaxeTSi istoriul ad gamoiyenebdnen mce-nare krazanasgan damzadebul sa-xexs. misi damzadeba yvel a meRvi-nes Tavadac SeeZI o, Tumca xSi rad



mas, rogorc mza produqts, SevvxdebodiT bazrebSi. am mcenares samkurnal o Tvisebecic gaaCnia da sxvadasxva daniSnul ebiT far-Tod gamoiyeneba xal xur medici-naSi. qvevris gaxexva xdeba krazanas fesvebiT, roml sac erTgvari anti-septikuri Tvisebac ki gaaCnia. erTi aseTi sarecxi sakmari-sia ramdenime qvevris gasarecxad da umetesad erT sezonze cvdeba. krazanas sarcxi gamoiyeneba didi moclubis anu „Casaval i” qvevrebis gasarecxad. qvevriSi gasarecxad Casul mrecxavs igi ori xel i T uWiravs da aqeT-iqi T ZI i-erad usvams qvevris Sida kedl ebs. qarTI -kaxeTis garda krazani sa-gan damzadebul sarcxs i SviaTad SevvxdebiT rogorc saingil oSi, i se dasavl eT saqarTvel os zogi-erT regionSiC.

sarcxi

sarcxi umTavresad dasavl eT saqarTvel os meRvineobis kere-bis aTvis damaxasiaTebel i samar-ne iaraRia. gaaCnia ramdenime si-nonimi, magal i Tad: „sarcxel i”, „sazedao sarcxi”, „bal Ronj i”, „ofiWo”, „kvinWa” (ukve gacveTil i sarcxis saxel ia guriaSi). mas kra-



zanasagan gansxvavebi I amzadebs xel osani, Tumca iSviaTad igi Tavad gl exis xel iTac mzaddeboda. sarcxi warmoadgens grZel tarze wamocmul mware bl is an iSviaT SemTxvevaSi aryis xis qerqebis dastas, romel sac ostati saboI ood kargad datkepni sda i se moargebs grZel tarze. rogorc aRini Sna, marnis am iaraRis erT-erTi sinonimia „sazedao sarcxi“. rogorc saxel i gveubneba, igi qevris zemodan gasarecxad gamoiyeneba da misi grZel i tarisa da aqedan gamomdinare mouixerxel obis gamo „Casaval“ qvevrSi gasarecxad SigniT ar CahqondaT. sarcxis dasamzadebl ad gamoiyeneboda aseve bl isa da al ubl is qerqic. yovel SemTxvevaSi, xes qerqi Zal ian faiqizad unda Semocl oda, raTa misi merqani ar dazianebul iyo da amas xis gaxmoba an raima daavadeba ar gamoewvia.



orxel a sarcxi

misi sinonimebia „Casaval i sarcxi“ da „saqvedao sarcxi“. mzaddeba imave principi Ta da masal iT, rogorc, magal iTad, sarcxi. rogorc Tavad dasaxel eba gveubneba, marnis es iaraRi qevrSi Casatanad da gasarecxad gamoiyeneba. mas ori mokl e saxel uri aqvs, radgan mrecxavma krazanis sarcxis msgav-sad orive xel iT daiWiros da ga-

recxos qevri. igi dasavl eT saqarTvel oSi samarne iaraRia, Tumca igi iSviaTad gvxdvdeba aRmosavI eTSic.

Tagvi sara (*RUSCUS PONTICUS*)

Tagvi sara warmoadgens SroSani-sebrTa oj axis mralwl ian buCqbal axas. aqvs pataraekl iani foT-ebi, aris maradmwane da aqvs wiTel i mrgval i nayofi. xarobs tyeebSi da gvxdvdeba rogorc da-



savl eT, i se aRmosavl eT saqarTvel oSi.

misgan amzadeben „cocxs“, roml iTac i recxebea qevri. amzadeben rogorc mokl etarian konas, romel sac gamoiyeneben qevrSi Casatanad da gasarecxad, i se grZel tarians, romel ic gamoiyeneba qevris zemodan sarecxad. umetes SemTxvevaSi Tagvisaras sarecxsi meorewl isaTvis aRar gamoiyeneba.

Rvi is cocxi

Rvi is cocxi, rogorc amas Tavad termini gveubneba, mzaddeba maradmwane wiwvovani mcenare Rvi isagan. aqvs mokl e wiwvebi



da patara mowiTal o-mol urj o mrgval i nayofi. Rvi is cocxs gamoiyeneben kaxeTSi, upiratesad qiziysi, xol o iSviaTad qarTI-Sic. misgan damzadebul i cocxi gamoiyeneba didi zomis qevrSi Casatanad da sarecxad ise, rogorc krazanas sarcxi. Tumca unda iTqvas, rom Rvi is cocxi qevris sarecxad sakmaod iSviaTad gamoiyeneboda.

orCxuSi

orCxuSi warmoadgens upiratesad guriaSi gavrcel ebul qevris sarecxes. mas gaaCnia xis mogrzo tari, roml is bol oSi TokiT an mavTul iT mimagrebul iasimindis taros ramdenime fuCeCi da warmoadgens SedarebiT primitiul i sarecx saSual ebias. Tumca guriaSi gvxdvdeba aseve, rogorc sarcxi, i se orxel a sarcxic. aqve gvxdvdeba termini „kvinWa“, roml iTac gacvetil i, ukve xmarebi-



dan gamosul i sarcxia saxel debul i.

rogorc vnameT, qarTul maransi qevris gasarecxad araerTi iaraRi gamoiyeneba. aqedan gamomdinare, rogorc ukve aRini Sna, qevris recxva-higienas sakmaod didi yuradReba eTmoboda yovel droSi. amrigad, xarisxiani Rvinis mi Reba mxol od saqmis Zireul i codniTa da Cveni winaprebis mier danatovari, saukuneebis mier gamocdil i wes-Cveul ebebis erTobl iobi Taa Sesazi ebel i.

*giorgi barisaSvi i
mcxeta, 2013w.*

vaSI i s xis formireba, gasxvl a da sayrdeni sistemi s momzadeba

gagrZel eba dasawyisi me-7-9 nomrebsi.

nawi I II III

maRal i Spindel i s sistemi T xis formireba da gasxvl a

maRal i Spindel i s sistemi T xis formirebis sisteme warmoadgens vertikal uri RerZis sistemis nair-saxeobas. maRal i Spindel i sistema iTval i swinebs xeebis SedarebiT axl os ganl agebas. rigebsi xeebs Soris distancia 0,9-1,2 metria, rac damoki debul ia gamoyenebul saZiresa (M.9 an B.9) da vaSI i s j iSz. rigi fizikurad gamagrebui ia 3 an 4 mavTul iT. distancia rigebis centrebs Soris 3,4 -3,7 metria. xis simaRI e, rogorc wesi, 3,1-3,4 metris fargl ebSia.

maRal i Spindel i sistemis gamoyenebis xes ar aqvs mudmi vi Cvarj i totebi. xe yovel wel s i s xl eba, raTa moxdes Zal i an gazzrdil i totebismocil eba da ganaxl eba. maRal i Spindel i sistemis mi xedvi T formirebul xes aqvs 3,1-3,4 metri simaRI i s Stambida patara msxmoiare totebi mTel sigrZeze. maRal i Spindel i sistema, rogorc wesi, yvel aze momgebia-ni a vaSI i s mwarmoebel TaTvis.

adreul i mosaval i momgebianobis ZiriTadi faq-toria mWidrod targul i maRal i Spindel i s gamoyenebiT formirebul i baRisTvis. mcire zomis 1 wl i s asakis xeebma an ciudad datotvil ma xeebma SeiZI eba sabol ood kargi mosaval i mogvcen, Tumca adreul etapze amonagebi s dakargvis gamo mTI i anobaSi Semo-savl i anoba i qneba nakl ebi.

maRal i Spindel i s meTodis mi zania pirvel i ve wl ebSi mosavl i anobis maqsimal urad gazrda da ma-Ral i mosavl i anobis an maRal xarisxovani xil i s mi-Rebi s agrZel eba mas Semdeg, rac xeebi zrdasrul i gaxdeba. maRal i Spindel i s meTodiT es mi znebi mi i R-weva Semdegi gzebiT: xeebis mWidrod targva, ZI i er datotvil i 2 wl i s asakis dasargavi masal i s gamoyeneba, dargvisas da pirvel i sami wl i s ganmavlobaSi minimal uri gasxvl a, totis mimarTul ebis marTva, rac mi i Rweva dargvisas msxmoiarobi s xel Sesawyobad yvel a totis damagrebui da di di totebis mudmi vad mocil ebiT.

ZI i er datotvil i 2 wl i s asakis xeebi s dasargav masal ad gamoyeneba

maRal i Spindel i s meTodiT baRis Camoyal i bebis-Tvis rekomendebul i dasargavi masal aa 2 wl i s asakis ZI i er datotvil i xe nagal a saZireze (mag., M.9 an B.9). xes unda hqondes 12-25 sm sigrZis 8-15 toti. xis Stambis diametri unda i yos 16 mm-is tol i an me-

ti, xol o simaRI e – 1,7 metris tol i an meti, Tumca sasurvel ia 2,0-2,3 metri simaRI e, dauzianebel i dominanturi i ideri. Stambis gayol ebaze totebi Tanabari distanciT unda i yos ganawil ebul i. xis dargvisas qveda totebi mi wi s doni dan 60sm-ze dabl a ar unda i yos. xes unda hqondes xSiri, j ansaRI, teniani fesvebi da ar unda i yos daavadebul i. am tipis xis dargvisas saWi roa minimal uri gasxvl a an saer Tod ar arissawiro gasxvl a.

maRal i xarisxis 2 wl i s asakis xe swrafad Camoya-l ibdeba, gai zrdeba sasurvel simaRI eze da swrafad



gaavsebs rigs. msxmoiaroba daiwyeba dargvis mom-devno wel s da rekomendebul i a Ti To xeze 15 vaSI i s moyvana. xil i s mosaval i mesame wel s swrafad mzardi msxmoiarobis j i SebisTvis, rogoricaa gal a, unda i yos daaxl oebiT 40 vaSI i erT xeze, meoTxel s ki – 75 vasI i Ti To xeze. xem srul mosavl ianobas unda miaRwi os me-5 an me-6 wel s da savaraudo mosavl ianoba unda i yos Ti To xeze 100 an meti vaSI i.

Camoyal i bebi s wel i

mni Svnel ovani a l ideris dominantobis SenarCune-ba da sworad gazrdis uzrunvel yofa. xis dargvi-dan ramdenime TveSi uSual od kenweros qvemoT unda moacil oT amonayari. SearCieT erTi yvel aze swori yl orti, romel ic darCeba l iderad da moacil eT sxva yl ortebi, roml ebic kenweromde 15-20 sm-is fargl ebSia. am yl ortebis dadgena yvel aze i ol ia da saWi roa maTi mocil eba, rodesac maTi sigrZe 7-10 sm-ia. yvel a imyl ortismocil ebiT, romel ic ganl a gebul ia kenweroze odnav qvemoT, meore wel s mi vi-RebT xes, romel sac aqvs kargad gamokveTil i l ide-

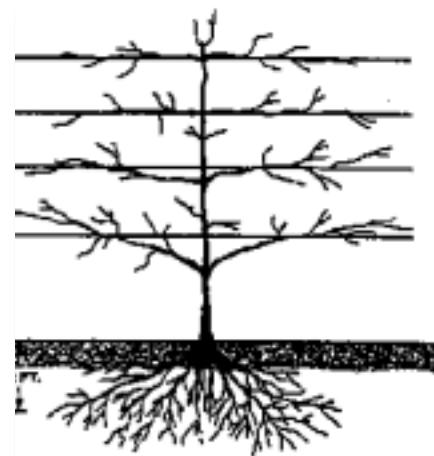


ri da Sedarebi T Tanabrad ganawil ebul i gverdi Ta totebi. Tu xes ar mosciil da gverdi Ta yl ortebi, kenweros qvemoT, xis zeda nawi! Si gai zrdeba ramdeneime vertikal uri yl orti da ver mi vi RebT domi nantu liders.

dargvisas da pirvel savegetacio wel s Zal ian mcire gasxvl aa saWiro. ar waawraT Stambi an totebi. gasxvl a mxol od da mxol od unda Semoi fargl os mxol od im uvro didi totebis mociil ebiT, romel - Ta diametri Stambis diametris naxevarze metia. amas garda, unda moacil oT damtvreul i an dazi anebul i totebi da yvel a toti, romel ic miwi s zedapiri dan 60 sm-is fargl ebSia.

daamagreT yvel a toti, romel ic 25 sm-ze grZel ia da horizontal urze dabal mdgomareobaSia. es gaaqtiturebs totis zr das, gverdi Ta totebi Senar Cun-deba gamoyofil sivrcceSi da xel s Seuwyobs adreul msxmoi arobas. totebis dasaxrel ad SegiZI iAT gamo-i yenoT simZime, rezinis zonrebi an Toki.

mavTul is sayrdeni sistema rac SeiZI eba mal e unda damontaJdes gvi an gazaf xul ze da unda mi abAT xebi, raTa qari s Sedegad ar dazi andes fesvebi. vaSl is baRis sayrdened rekomendebul i maRaL i Spindel i sistema 3 an 4 mavTul iT, romel Ta daxmarebi Tac Se-



ze zeda Sre ki miwi s zedapiri dan 3 metr ze distanca i mavTul ebs Soris meryeobs 80sm-i dan mavTul is 4 rigis SemTxvevaSi da 1,2 metr amde mavTul is 3 rigis SemTxvevaSi. gverdi Ta totebi ebmeba uaxl oes mavTul s pl astmasis samagrebiani neil onis TokiT an Max Tapener-is i entiT. sayrdeni sistemaSi gamoi yenebaZI ieri xis, i iTonis an betonis svetebi, roml ebiC ganTavsebul ia yovel 10 metrSi.



xis Stambi mimagrebui i amavTul ze special uri samagrebuiT, neil onis TokiT, mavTul iT an pl astmasis samagrebuiT. mni Svnel ovania mimagrebis adgil as datovoT sakmarisi sivrcce, raTa RerZis siganeSi zrda ar SeiZRudos.

sayrdeni sistema maRal i Spindel is gamoyenebi T for-
mi rebul i xeebisTvis unda moewyos xis dargvisTanave.
sayrdeni struktura xes aZI evs SesaZI ebl obas, mi mar-
Tos energi a nayofis kvirtis da ar ameqnis warmoqmna-
ze. Zal ian mni Svnel ovania, rom TiToeul i xis mTavari
Stambi gai zardos swori mimarTul ebi T damZI avrad.

meore wel i

ar moawraTI ideri i angverdi Ta totebi. Stambi unda mi magr des sayrdeni sistemi s zedamavTul ebze xis simaRI eSi zrdasTan er Tad.

pirvel wel s gverdi Ta totebis damagrebis Semdeg Stambze gamova axal i gverdiTi totebi, romel Ta damagreba ar aris saWiro. isini dai xreba nayofis ga-
mosxmis Semdeg. cerad gasxvi iT (bevel cut) moacil eT
totebi, romel Ta diametri Stambis diametris naxe-
varzmetia.



meore wel s msxmoiaroba (daaxl oebiT 15 nayofi
erT xeze) Zal ian mni Svnel ovania imisaTvis, rom Se-
narCundes xis dabal i siZI iere da Semosaval i xil is
gayi dvebi dan.

me-3 - me-5 wl ebi

I ideri unda mi magr des mavTul ze da ar unda moiW-
ras manam, sanam ar miaRwevs zrdasrul simaRI es, rac
Cveul ebriv meoTxe wel s iqneba. zeda totebi xil is
simZimiT unda dai xaros. xis simaRI e unda daamok-
l oT mxol od mas Semdeg, rac zeda nawil i gadai xreba
nayofis simZimiT. unda gaisxl as mxol od msxmoiare
gverdiTi totebi. daxril i sxvi iT (bevel cut) moaci-
l eT totebi, romel Ta diametric Stambis diametris
naxevarze dia. daamokl eT Zvel i qveda mimarTul e-
bi T gazrdil i totebi.



me-6 - me-20 wl ebi

xis asakis matebasTan er Tad misi konusisebri for-
mis SenarCuneba Zal ian mni Svnel ovania sinati is
kargad SeRwevis, msxmoiarobis da xis qveda nawil Si
xil is xarisxis SenarCunebisTvis. xis asakis mate-
basTan er Tad mis saburvel Si sinati is ganawil ebi s
saukeTeso gzaa xis zeda nawil Si mTI iani totebis
mocil eba, rodesac totebi sigrZeSi an siganeSi Za-
l ian gai zrdeba. rekomenedebul ia gvian zamTarSi,
mTvI emare periodSi yovel i xi dan 2-3 totis moci-
l eba, pirvel rigSi - xis Sua da zeda nawil Si arsebu-
l i totebisa. qveda totebi unda mocil des mxol od
im SemTxvevaSi, rodesac isini Zal ian gai zrdeba.

totebi undamoiWras cerad sxvi is meTodiT, Stamb-
bTan axl os. aRni Snul is Sedegad, Cveul ebriv, mow-
ril adgil as amodi s axal i toti. es toti meorewel s
gamoisxams nayofs. yovel wl i urad am saxiT gasxvi is
piroebSi SesaZI ebel ia xis maRal i mosavl ianobis
SenarCuneba mraval i wl is ganmavl obaSi.

amas garda, saWiro iqneba yovel wl i urad profi-
l aqtikis mizniT gasxvi a imisaTvis, rom moacil oT
yvel a dazianebul i, daavadebul i da daxril i (qveda
mimarTul ebi T mzardi) totebi.

rodis unda Catardes gasxvi a

vaSI is xeebi unda gaisxl as sul mcire wel i wadSi
er Txel zamTris bol os an adreul gazafxul ze, ro-



desac xej er i sev mTvI emare mdgomareobaSi a. saqar-Tvel oSi es periodia Tebervl isbol odanmartis Sua-ri cxvebamde. gasxvl a unda Catar des maSiN, rodesac garemos temperatura gayinvis temperaturaze maRa-1 ia. rekomendebul i ar aris Semodgomaze an zamTris dasawy i Si gasxvl a, vi nai dan es zrdi s qsovil is yin-viT dazi anebis al baTobas.

vaSl is baRis koreqtirebis mi zni T gasxvl a mi znad i saxavs gatexil i, gamxmari an daavadebul i totebis mocil ebas da Sei ZI eba Catar des wl i s nebi smier dros xeze seriozul i uaryof iTi zemoqmedebis mox-denis gareSe. zogier T SemTxvevaSi sasurvel ia vaS-l is xeebis damatebi T gasxvl a zafxul is ganmavl obaSi saburvel Si sinATi is SeRwevi s da haer is cirkuli aciis gasaumj obesebl ad. zafxul Si gasxvl a aseve rekomendebul ia baqteriul i sidamwriT dainfici-rebul i qsovil ebi s da vertikal urad mzardi totebis mosaci l ebl ad.

gasxvl is saxeеби

mni Svnel ovani a gasxvl i sas totis moWris i seTi me-Todis gamoyeneba, roml is Sedegadac gaWri i zeda-piri swrafad Sexorcdeba. swrafi Sexorceba minimu-mamde amci rebs daavadebi T inficirebis sixSi res da mweribi T gamoweul dazianebas. kargad moWris Sem-TxvevaSi moWril i adgil i ufro swrafad xorcdeba, vidre uxesad moWris adgil i; sasxl avad mxol od mWrel i sekatorebi unda gamoiyenoT. mikroebi T

gamoweul i daavadebebis warmoqmna ufro metad sa-var audoa gasxl ul adgil ebSi, sadac qsovil i dazi-anda bl agvi sekatori T an xerxi spiriT.

sasxl avi instrumentebi

vaSl is xis ZiriTadi sasxl avi instrumentebi mo-i cavs sekators, roksawrel s da xerxs. sasxl avi instrumentebi unda gamoiyenoT im merqnis zomis mi-xedviT, romel ic unda moiWras. mcireyl ortebis da amonayrebis mosaWrel ad unda gamoiyenoT xel i sasxl avi sekatori, saSual o zomis totebis (50 mm-mde diametri) mosaWrel ad - roksawrel i, xerxi ki unda gamoiyenoT ufro didi zomis totebis mosaWrel ad. gasxvl i xel Sesawyobad da qsovil i dazi anebis Sem-cirebis Tvis mni Svnel ovania, rom sasxl avi instrumentis mWrel i piris zedapiri mudmivad basri iyos. saWi roa sasxl avi instrumentebis xSiri steri l iza-cia, spiriT anganzavebul i sayof acxovrebo maTe-rebl iT (1 wi l i maTeTrebel i 9 wi l wyal ze), merqnis baqteriul i da sokovani paTogenebi T dainfici rebis prevenci i s mizni T.

vaSl is xis sasxl avi aRWurvil oba moicavs sekators (marcxniv), roksawrel s (centrSi) da xel i s xerxs (marj vniV).

gagrZel eba xII eT Semdeg nomreSi.



marwyvis warmoebis sassel mzRvanel o

gagrZel eba. dasaw. me-8-9 nomreSi.

nawi I i III

mcenaris Camoyal i beba nergebis warmoebi sTvis

sanerges Camoyal i bebis Tvis ga-moyenebul i marwyvi unda dai rgas swor ni adagSi. amaRI ebul i kvl e-bi ar aris saWi ro, arc sasurvel i. ar unda gamoiyenoT Savi pol ieTi-enis mul Ci niadagis dasafarad marwyvis rigebs Soris. es xel s SeuSi is axal mcenareebs ni adag-Si fesvebis gadgmaSi.saukeTeso sanerges unda hqondes Sedarebi T swori rel iefi, kargi dawretis



suraTi 18. marwyvis sanergeSi nergis zrdaadreul etapze.

mqone qvi Sovani an qvi Sovan-l amo-vani ni adagi, romel ic mdidaria organul i nivTierebebi T (suraTi 18). marwyvis nergebs Soris daSo-

reba unda Seadgendas 30 sm-s rig-Si, rigebs SorismanZil i ki 120-150 sm Soris unda i yos. yovel i nergi warmoqmnis aeraet T gar Txmul ul - vaSs, romel ic gamoi Rebsaxal mcenareebs. saWiroa nergze ganvi Tarrebul i yvel a yvavil is mocil eba. axal i mcenareebi gamoi Reben fesvebs da Seavseben rigs damatebi Ti mcenareebi T savegetacio sezoni s ganmavl obaSi. ideal ur SemTxvevaSi mTel i dargul i sivrci Sei seba axal i mcenareebi T Semodgomis bol osTvis. sanerges mTI i ani nakveTi s yvel a nargavi amoi Txreba Semodgomis Sua per i odi dan Semodgomis bol omde, susxani ami n-debi s dadgomamde.

dargvis procesi

marwyvi SeiZI eba dai rgas xel i T an meqanikurad. SeiZI eba gadasargavi instrumentebis gamoyeneba mul CSI xvrel ebis gasakeTebl ad, maT Soris mrgval i sargavi an fol adis cil indri, romel ic miduRebul ia saxel uris bol oze (suraTi 19).

marwyvis nargavis garSemo xvrel Si ni adagi gaSI il fesvTa sistemi s garSemo kargad unda SemWi drovdes haeris parkebis Tavi dan acil ebisTvis. yvel a foTol i unda darcEs xel uxl ebl ad foTI ovan da „pl ug“ mcenareebze (suraTi 20). foTI ebis mocil ebiT Senel deba mcenareTa zrdis tempi da Seferxdeba adreul i mosaval i. dargvisas mcenaris fesvTa garSemo unda moesxas xsnadi Txevadi sasuqi, rogorc wesi, fosforis maRal i Semcvet obis mqone. es Txevadi sasuqi gamoi yeneba fesvTa ganvi Tarebis da mcenaris Camoyal i bebis daCqarebis mi zni T. zogedad rekomendebul ia 2 suris kovzis (30 gr) 15-30-15 gaxsna



suraTi 20. dargvisas marniyas tgesvebis garSemo ni adagi s gamkvri veba.

4 litr wyal Si. Semdeg moasxureT xsnaris 1 Wi qa (250 ml) yovel i nargavis fesvebis garSemo.

1 heqtarze nakl ebi marwyvis nakveTi Zal ian mcire zomisa, raTa mwarmoebl isTvis ekonomikurad gamarTI ebul i yos meqanikuri sargavis SeZena. msxvii i mwarmoebl ebisTvis, roml ebsac ramdenime heqtarze meti marwyvis nakveTi aqvT, Zal ian efqtiani da momgebiania meqanikuri gadasargavi manqanis SeZena. arsebobs manqanebi erTi an ramdenime rigisaTvis, roml ebic „pl ug“ nergebs rgavs

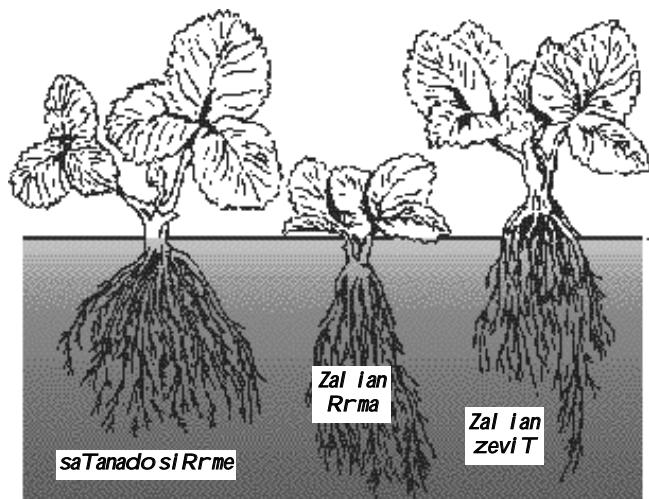
pol ieTil enis niadagis mul Cis gavl iT. gadasargav manqanaze mi magrebul i wyl is Tasi unda iqnas gamoyenebul i Ti Toeul i marwyvis nargavis niadagSi moTavsebisas fertigaciisTvis, fesvTa sistemi s gamoSrobitgan dasacavad. garda amisa, kvl ebi sakmarisad tenian unda i yos kvl is formirebis da mul Cirebisas, dargvamde. cxel amidSi zafxul is bol os dargvis periodSi samegrel oSi, wyal gamSxefi sarwyavi mokl e periodebiT dargvi dan pirvel i ramdenime kviris ganmavl obaSi xel s Seuwyobs

fesvebis ganvi Tarebas da gaaZI ierebs nargavis gadarCenas.

nargavis warmatebiT Camoyal i-bebisTvis mniSnel ovania, rom gadargul i CiTil is varj i saTano siRrmeze CaiGas (suraTi 21). Zal ian maRI a Cargva fesvTa sistemaze qaris zemoqmedebas Seuwyobs xel s da nargavi gamoxmeba, SeiZI eba dai Rupos ki dec. meores mxriv, metismetad RrmadCargvis Sedegad SeiZI eba nargavis varj i dal pes. saWiroa nargavis fesvebis gaSI a niadagis donis queS. Tu nargavis fesvebi moxril ia, is ar iqnebaZI ieri, rac Seamcirebs mosavl ianobas.

kul tivarebi

saqartvel oSi marwyvis ori ZiriTadi saxeobaa, mokl e dRis (iv-nissi msxmoiare) da dRis xangrZI ivobi sadmi neutral uri j iSebi. mokl e dRis da dRis xangrZI ivobi sadmi neutral ur marwyvis kul-



suraTi 21. marniyas nargavis vobisadmi s gamkvri veba.

tivarebs Soris gansxaveba mdgomareobs dRis xangrZI ivobaSi, roml is pirobebSi c maT gamoaqvT kvirtebi. mokl e dRis kul tivarebs kvirtebi gamoaqvT SemodgomiT, rodesac dRe mokl ea. dRis xangrZI ivobi sadmi neutral urma kul tivarma SeiZI eba kvirtebi gamoi tanos dRis nebismieri xangrZI ivobi pirobebSi, saqartvel oSi za fxul is grZel i dReebis periodSi. yvavil ebis kvirtebi agrZel ebs ganvi Tarebas, Tu temperatura ar aris Zal ian maRal i an Zal ian dabal i.

mokl e dRis (ivnisSi msxmoia-re) marwyvisj iSebi Sida qarTI is regionSi msxmoiarobs maisis bo-l odan ivnisis CaTvl iT, rac da-moki debul ia j iSze, kul tivaciis meTodebze da dacul i struqtur-ebis gamoyenebaze (mag., rigis sa-fari, dabal i gvirabebi an maRaL i gvirabebi). ivnisSi msxmoiare j i-Sebi, rogorc wesi, gamoizamTrebs da mosaval s iZI eva 2 an 3 wl is ganmavl obaSi. ivnisSi msxmoiare j iSebi, romel Ta moyvana rekomen-debul ia Sida qarTI Si da saqarT-vel os SedarebiT civ regionebSi: Honeoye, Jewel da Wendy. es aris sami yvel aze farTod kul tivire-bul i marwyvisj iSi Crdil oeT amerikaSi, sadac Sida qarTI is msgav-si agro-kl imaturi pirobebia. am kul tivarebis nayofi saSual o-modido zomisa, erTgvarovani wiTel i feris da tkbil i. amas gar-da, arsebobs yin vagamZI e j iSebi, roml ebic susxiani zamTris piro-bebSi ar yi neba. Tumca, i sini unda dai faros Cal is an namj i smul CiT noembris dasawyisSi pirvel Tovl amde gayinviT dazianebis Tavidan asacil ebl ad iseTi zamTris dros, rodesac Tovl is safari mcirea an saer Tod ar aris.

dRis xangrZI ivobisadmi nei-tral uri marwyvisj iSebi Sida qar-TI Si msxmoiarobs ivnisi dan Se-modgomaze pirvel i damRupvel i yinvis dadgomamde. i sini SeiZI eba moSendes, rogorc mraval wl iani

(2-wl iani) an erTwl iani (1 wel i) nargavebi. 2-wl iani nargavis mos-Senebl ad saWi roa varj i s daTxe-l eba da Zvel i foTI ebis mocil eba meore wl is gazafxul is dasawyisSi. dRis xangrZI ivobisadmi nei-tral ur j iSebs, romel Takul -tivacia meore wel sac grZel deba, aucil ebl ad ufro mcire zo-mis nayofi eqneba. Sida qarTI Si mosayvanad rekomen-debul i dRis xangrZI ivobisadmi nei-tral uri kul tivarebia Diamante, Aromas, Sweet Ann, Albion da San Andreas. CamoTvl il i kul tivarebi xSirad gamoyeneba komerciul warmoeba-Si msofl i os mraval regionSi.

marwyis mokl e dRis j iSebi samegreloSi nayofs gamoiRebs noembris bol odan ivnisis CaTvl iT. nayofierebis pikuri periodi, rogorc wesi, martis bol odan iv-nisis dasawyisamdea. samegreloSi mosayvanad rekomen-debul i mokl e dRis j iSebia Festival, Fortuna, da Ruby Gem. es Zal i anproduqtul i axal i komerciul i kul tivarebia, roml ebic kargad aris adaptire-bul i regionSi da farTod mohyavT msofl i os sxvadasxva qveynebSi, sadac samegreloSi msgavsi agro-kl imaturi pirobebia. am kul tivare-bis nayofi saSual o-modido, aris mkvri i da tkbil i. am kul tivare-bis moyvana ar aris rekomen-debul i Sida qarTI Si (anmsgavsi agro-kl imaturi pirobebis mqone adgil as), i sver uZI ebs dabal temperaturas

da saqarTvel os SedarebiT dabal -temperaturian adgil ebSi mni Svne-i ovnad ziandeba zamTarSi.

dRis xangrZI ivobisadmi nei-tral uri marwyvisj iSebi aseve msxmoiarobs samegreloSi noembris bo-l odan ivnisis CaTvl iT. SeiZI eba maTi mraval wl iani nargavebi's sa-xiT moyvana 2 wl is ganmavl obaSi an rogorc erTwl iani mcenaris-a. 2 wl is ganmavl obaSi moyvanis Sem-TxevaSi saWi roa varj i s Setxel eba da Zvel i foTI ebis mocil eba meore wl is zafxul Si. dRis xangrZI ivobisadmi nei-tral ur kul -tivarebs, romel Ta kul tivacia grZel deba meore wel sac, meore wel s ufro patara zomis nayofi eqneba. dRis xangrZI ivobisadmi nei-tral uri j iSebi, romel Ta moyvana rekomen-debul ia samegreloSi, moi cavs Diamante, Aromas, Sweet Ann, Albion da San Andreas-s.

zamTarSi

moyi nvi sgan dacva

saqarTvel os umetes teritori-aze zamTris dabal i temperaturis gamo saWi roa marwyis nargavebi's dafarva, zamTarSi moyinviT dazi-anebis Tavidan acil eblis mi zniT. Tumca, safaris tipi damoki debu-l ia moyvanis adgil ze. samegreloSi os SedarebiT Tbil i pirobebis Sem-TxevaSi mxol od Txel i qsovi-l i s (agro-boWko) rigis safari i qneba saWi ro zamTris TveebSi yav-vil eblis moyinviT dazianebis Ta-


NEO

 New Economic Opportunities Initiative
 საქართველოს ეკონომიკური განვითარების სამინისტრო

gTxovT TqvenTv is saintereso Temebze Seki Txvebi da rekomen-debi mogvawodoT sainformacio furcel ze regionis mixedviT mi Ti Tebul misam-aTze.

pasuxebi ixil eT Jurnal „axal i agrarul i saqarTvel os“ momdevno nomerSi:

saxel i, gvarl _____

misamariTl _____

tel : _____

el. fosta _____



Կցրմի 22. Թիգես Տաշտան, Թօթուղաւ Թօթայքեպելինա Թարովյան հ Իշխանութեա պաշտուած Եղիշեա պաշտուած
yof's yvavil ebi's da nayo! s garkveul dacvas moyl nvl T dazl anebi sgan.

vi dan aci l ebis mi zni T. Sedar ebi T
dabal temperatur ian adgi l ebSi
Si da qar TI Si da sxva msgavs adgi -
l ebSi saWi ro i qneba sqel i namj i s
mul Cis safari, raTa Tavi dan avi -
ci l oT mcenare Ta moyinvi T dazi -
aneba zam Tris TyeebSi.

rigis safarebi

dabal i temperaturis periodeb-
Si, rodesac temperatura SeiZI e-
ba -5°C-mde daeces, marwyvis yvavi-
I ebi moyinvisgan dasacavad mTel
msofl ioSi farTod gamoiyeneba
Txel i qsovil isrigissafarebi (ag-
ro-boWko). -5°C temperaturazenak-
I ebi temperatura Zal ian dabal ia
imisaTvis, rom moxdes yvavil ebi s
moyinvisgan dacvis uzrunvel yofa.
SeiZI eba cal keul rigebzemsubuqi
qsovil isdafena an ramdenime rig-
zeerTad gadafareba. rigebis safar-
is gamoyenebi T SesaZI ebel i xdeba
marwyvis warmoeba zamTris TveebSi
samegrel os regionSi.

rigissafari – esaamsubuqi sinTe-
turi qsovıl i, romel ic damzadebu-
l i apol iesteris, pol ieTil enisan
pol i propıl eni sgan.qsovıl i sakma-
risad msibuqi a imi saTvis, rom uSu-
al od marwyvis nargavze daefinos
raime saxis dazi anebis gamowvevis
gareSe. qsovıl is gamoyeneba SeiZ-
I eba ramdenime wl is ganmavl obaSi.
msibuqi uqsovi rigis safari, ro-
gorc wesi, 2 wel i ZI ebs, Sedarebi T
mZime naqsovi qsovıl ebi s gamZI eoba-
ki SeiZI eba 5 wel s aRwevdes. qsovı-
l is rigis safari nargavebzı unda
daefinos prognozirebul i yinvis
periodamde. rigis safarebi SeiZI e-
ba datovo Trigebze da rigTaSori-
sebSi ramdenime dRis gammavl obaSi;
ami T marwyvis nargavebi ar dazi an-
deba (suraTi 22), Tumca moyinvi sgan
dazi anebis safrTxıs gadavl is Sem-
deg saWi roa maTi aReba.

arsebobs sxvadasxva wonis rigis
safarebi, roml ebic gansxvavdeba
qsovil is simkvriti. rac ufro

mZimea qsovili, mi Tufro maRaI ia
misi yinvi sgancavsi unari. qsovi-
I ebi, romel Ta wona sul mcire 68
gramia kvadratul metrze, reko-
mendebul ia rigis safar masal ad
gamosayenebl ad. es mZime safari
ukeTes izol acias uzrunvel yofs
da dai cavs yvavil ebs moyinvi sgan
-5°C temperaturamde. Sedarebi T
msubuqi 40-gramiani safar i uz-
runvel yofs yinvi sgancavsi mxo-
lod -20°C-mde.

marwyvis qsovı l ebs gansxvavebul
ı i gayinvi s temperatura aqvT. gaS-
ı il i yavıl ebi s gayinvi s tempera-
tura -1°C-i a, nayofi saki -2°C. gamo-
tanıll i, Tumca gauSl el i kvı rtebi
i yineba -2.5°C-ze. marwyvis yvavl e-
bi s moyinvi T dazianebe s simptome-
bi Cndeba varj is furcl is gul Si
Camuqebul i centris saxiT (sura-
Ti 23). nawıl obriv moyinul i yva-
vil ebi sgan SeiZl eba warmoiqmınas
deformi rebul i nayofi, Zal i an
dazianebul i yvavl ebi dan ki nayo-
fi ar qanvi Tardeba.



କ୍ଷୁରମଳୀ 23. ଶ୍ରୀମଦ୍ଭଗବତ (ମର୍ଜୁନିଯ) ଦା
moyinul i (marj vni v) marwyvi s yavvi l ebi.



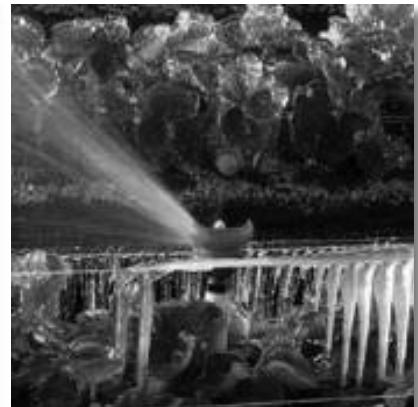
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suraTi 24. mcire zomis dawvi mebi Ti morwyva marwyvis moyinvisgan dasacavad.

daxurebi s sarwyavi sistema

daxurebi T morwyva kidev er-Ti meTodia, romel ic uzrunvel yofs marwyvis yvavil ebis moyinvisgan dacvas. wyal gamSxefebiT unda dai faros mTel i nakveTi da i sini unda Cair Tos, rodesac temperatura ecema 1°C-mde. rodesac wyal i gai yineba da Camoyal ibdeba yinul i, gamoi yofa si Tbo da mcenare dacul i qneba -6°C temperaturamde. sprinkl erebi CarTul i unda datovoT, vidre temperatura ar aiwevs nul ze zeviT da yinul i ar gal Rveba (suraTi 24). wyal gamSxefis Tavebi, roml ebic saaTSi 0.25 sm wyal s afrqvevs, Cveul ebriv gamoyeneba yinvisgan dacvis mi zni T, raTa gamouSvas mxol od imisTvis sakmari si wyal i, rommoxdes yvavil ebis dacva da ar dai tbilos rigebi.

namj is mul Ci

zamTriscivi temperatura, romeli ic damaxasi aTebel i asaqar Tvel os Si da regi onebi sa da zRvis doni dan did simaRI eze mclebare adgil ebis umetesobi sTvis, moi Txovs marwyvis zamTarSi moyinvisgan garkveul dacvas. mul Ci i cav s nargavebs zam-Tris eqstremal uri sicivisgan da niadagis swrafad gayinva-gal Robis Sedegad fesvebis dazi anebi sgan. rekomendebul ia mul Ci rebisTvis namj is mul Ci s gamoyeneba. is unda iyos sufta da ar unda Sei cavdes sarevel ebis Tesl s. namj is mul Ci saWi no ar aris samegreli oSi, sadac Sedarebi Tbil i havaa.

namj is mul Ci unda moewyos mas Semdeg, rac marwyvis nargavi mi-

aRwevs mni Svnel ovan gamZI eobas sicivisadmi, Tumca vidre dabal i temperatura daazianebs nargavebs.



suraTi 25. namj is mul Ci dafena mTvi emare marwyze gvilan Semodgomaze.

Cveul ebriv, mi Rebul i namj is mul - Ci s moywoba mas Semdeg, rac mi yol ebi T sami dRis ganmavl obaSi niadagis temperatura 4°C an nakl ebia 10 sm si Rrmeze. es, rogorc wesi, xdeba noembris dasawyisiSi qveyniSi daregionebiSi (suraTi 25). Sereul i rigebi sTvis heqtarze saWi rodaaxl oe-biT 8 tona namj a. mul Ci fena unda iyos 8-10 sm si sqis da mTI i anad unda faravdes marwyvis foTI ebs.

mul Ci unda moixnas gazafxu-lis dasawyisiSi (magal iTad, martis bol os da april is dasawyisiSi), rogorc ki Tovl is dnoba i wyeba da rodesac mcenareebs ewyebaT zrdis an axal i foTI is gamotanis ni Snebi mul Ci s qveS. amaze adre mul Ci moxsni s SemTxvevaSi ni ada-

gi gaTbeba, ris Sedegadac nargavi ufro adre gai zrdeba, gayvail-deba da daucvel i qneba gazafxu-lis yinvisadmi. Tumca, saWi-roa mul Ci moxsna foTI ebi s gayvi TI ebamde. mul Ci unda moaci l oT focxoTi an fiwi-l iT. saWi roa mcire raodenobit mul Ci s datoveba nargavebze, romel ic Cava niadagis zedapirze da xel s Seuwyobs nayofis mSral ad da sufTad Senaxvas. mul Ci s udidesi nawi-l i unda gadai tanoT rigis Sua nawi-l ebSi sarevel ebis kontrol is, niadagis tenianobis SesananCunebl ad da dakrefis gasai ol ebl ad (suraTi 26).

gagrZel eba ixil eT Semdeg nomerSi.



suraTi 26. Cal is mul Ci nargavebs da rigebi Soris Sereul i rigis meTodis gamoyenebisas.

P.S. wi namdebare statiebis gamocema SesaZI ebel i gaxda amerikis SeerTebul i Statebis saerTaSor i soganvi Tarebis saagentos (USAID) mi er gaweul i daxmarebis Sedegad. dokumenti SemuSavebul la USAID/NEO proeqti smerdamsi Sexedul ebebis gaTval i swi nebl T. statiebi ar gamoxatavs amerikis SeerTebul i Statebis saerTaSor iso ganvi Tarebis saagentosa da amerikis SeerTebul i Statebis mTavrobis mosazrebebs.

saerTaSori so samecniero-praqtkul i konferencia



2013 wl is 3-4 oqtomb
bers saqarTvel os sof
l is meurneobis mecnie
rebaTa akademi aSi saer
TaSori so samecniero-
praqtkul i konferencia
Cata - „inovaciuri
tehnologiebi agrarul
i sektorismdgradi da
usafrTxo ganvi Tare
bis Tvis“. konferencia
SoTa rusTavel is erovn
ul i samecniero fondis
finansuri mxardawerit
gaimarTa.

konferenciaze Tematikis mixed-
vi T oTxi seqcia muSaobda:

- agronomia (seqciis Tavmj domare akad. g. margvel aSvil i);
- mecxovel eoba, veterinaria, sakvebwarmoeba da mecxovel eobis produqt ebis gadamuSaveba (seqciis Tavmj domare akad. z. cqiti Svi- l i);
- agrosainJinro (seqciis Tavmj domare akad. r. maxarobl iZe);
- ekonomika (seqciis Tavmj domare akad. o. qeSel aSvil i);

konferenciis mosamzadebel periodSi Camoyal ibda saorganizacio komiteti da saredaqcio kol egia. daigzavna mosawvevi baratebi da konferenciis Catarebis pirobebi sazRvargareTis da saqarTvel os samecniero centrebSi.

saorganizacio komitetSi sul 162 moxseneba Semovi da: agronomiis mimarTul ebiT – 88, mecxovel eobis, veterinariis, sakvebwarmoebis da mecxovel eobis produqt ebis gadamuSavebis mimarTul ebiT – 36, agrosainJinro dargis mimarTul ebiT – 27, ekonomikiis mimarTul ebiT – 11.

konferenciis monawil eebisaTvis momzadda da gamomceml oba „pol igradma“ dabeWda 462 gverdis mocl obis konferenciis

SromaTa krebul i. damzadda konferenciis samenovani programebi da sertifikatebi, mosawvevebi da bij ebi konferenciis monawil ee- bissaTvis. konferenciis muSaobaSi monawil eoba miRo sazRvargareTi dan da saqarTvel os saganmanaT- I ebl o da samecniero organiza- ciebi dan mowveul ma 110 stumarma, maT Soris mecnierrebma azerbaijanidan, ukrainidan, ruseTidan, yazaxeTidan, uzbekiTidan, saqarTvel os agrarul i universitetis kvl eviTi institutebidan, quTassis a. wereTi is universitetidan, baTumis S. rusTavel is universitetidan, cal keul ma agrarikosma mecnierrebma da fermerebma.

konferenciis plenarul sxdomaze misasal mebel i sityviT gamovida saqarTvel os sofI is meurneobis mecnierebaTa akademiis prezidenti akad. guram al eqsiZe; konferenciis monawil eebis mie- sal mnen da konferenciis mni Svne- l obaze il aparakes saqarTvel os parlamentis targobrivi ekono- mikisa da ekonomikuri pol itikis komitetis Tavmj domarem zurab tyemal aZem, saqarTvel os sofI is meurneobis ministris pirvel ma moadgil em davit ServaSiZem, saqarTvel os mecnierebaTa erovnuli akademiis sofI is meurneobis

ganyofil ebis akademikos-mdi van- ma akad. oTar naTi Svil ma, agrarul i universitetis reqtorma l aSa gociriZem, S. rusTavel is sax. saqarTvel os erovnul i samecniero fondis departamentis ufrosis moadgil em akad. revaz asaTianma, podol skis agrarul -teqniki universitetis (ukraina) bioteq- nol ogiuri fakultetis dekanma prof. nikol oz povoznikovma, ruseTis vavil ovis sax. memcenareo- bis kvl eviTi institutis direk- toris moadgil em prof. sergei al eqsanianma, yazaxeTis sofI is meurneobis saministros ss „yaza- xagroinovaciis“ general urma di- reqtorma prof. bai an al imgazi- novam, vinicis erovnul i agrarul i universitetis (ukraina) prof. vitali kuCeriyavam, azerbaijanis zool ogiis institutis prof. za- qaria mamedovma.

konferenciis targobrivi seq- ciebis sxdomebze aRini Sna, rom inovacia – axal i an srul yofil i produqtis (momsaxureobis) mi Re- bis, maTi warmoebis wesis da Sem- dgomSi Sida da sagareo bazrebze real izaciis procesis Sedegia. igi aris SemogmedebiTi procesis damasrul ebel i etapi misi praq- tikaSi ganxorciel ebis Tval sa- risiT da aRiqmeba, rogorc sa-

mecniero-teqni kuri progresis gardsaxva praqtilkul Si, axal i produqt ebisa da teqno l ogiebis saxi T. Tu Semoqmedeba gul isxmobs siaxl is Seqmnas, inovaci is Sinaar-ss i igul isxmeba Seqmnill i siaxl is praqti kaSi gamoyeneba. amdenad, rogorc samecnero-sawarmoo cikl is sabol oo Sedegi, i gi gani-xil eba sainovacio procesebi dan mouwyetl iv.

sainovacio saqmianobis infrastruktura, inovaciuri procesis yovel i Semadgenel i nawil i did-wil ad moi cavs sainformacio saqmianobas. amasTan, garda wmind a sainformacio da sakomunikacio samsaxurebi sa, aseve moi cavs i seT institutebsa da organizaciu struktura, rogoricaa intellektualuri sakuTrebis dacvis uwyebebi, patentrwmunebul Ta instituti, standartebisa da metrol ogiis samsaxurebi, sakonsul-tacio firmebi, sawarmoo inkubatorebi, teqnoparkebi da sxva. sainovacio saqmianobaSi di dia agreTve virtualuri biznes-kl ubebis da virtualuri saswvl o-sakonsul tacio centrebis rol i.

dRes arsebul i tendenci iT saerTaSoriso organizaciaTa mier xdeba ms ofl i os agrarul i samecnero sazogadoebabis mobil iza- cia sofl is meurneobis mdgradi ganvi TarebisaTvis, erTobl ivi sasofl o-sameurneo kvl evebis Casatarebl ad, romel ic safuz-vl ad edeba sasofl o-sameurneo kvl evebis ganvi Tarebis ms ofl io sainformacio sistemis Camoyal i-bebas. am sistemaSi pirvel doneze ganl agebul ia cal keul i qveynebis nacionaluri sasofl o-sameurneo informaciul i sistemebi, meore



konferenciis sxdomaTa darbazSi

doneze ganl agebul ia regionul i informaciul i sistemebi, xol ome- same donezea ms ofl i os sainfor- macio resursebi da saSual ebebi.

sasofl o-sameurneo informaci- ciebis erovnul i wyaroebis Camoyal i bebaSi, sasofl o-sameurneo kvl evebis da sainformacio-sako- muni kacio teqno l ogiebis ganvi TarebaSi sazRvargareTis qveynebs da maT Soris saqarTvel os exmareba i seTi saerTaSoriso organizaciebi, rogoricaa: ms ofl io sasursa- To organizacia (FAO), agrarul i kvl evebis saerTaSoriso kvl evi Ti centri (ICARDA), sasofl o-sameurneo kvl evebis gl obaluri forumi (GFAR), ms ofl io banki da sxv.

samwuxarod, konferenciaSi monawil e qveynebSi da, maT Soris, saqarTvel oSic ekonomikuri, politikuri, sakanonmdebl o da zo- gierti sxva obieqturi da subieqturi pirobebis gamo, agrarul seqtorsi Seferxebul ia inovaciuri saqmianoba da masTan dakavSi- rebul i infrastrukturis Camoyal i bebis procesi. es Seexeba sainformacio-infrastruktur asac. konferenciis Catarebis mi zansac swored am xarvezebis gamoswo-

bisaTvis gzebis gamonaxvis mcde- l obebi warmoadgenda.

konferenciis stumrebma da mom- xsenebl ebma erTxmad aRniSnes, rom am tipis da Tematikis samec- niero-praqtilkul i konferenciis Catareba aucil ebel ia yovel w- li iurad da madl oba gadauxades saqarTvel os sofl is meurneobis mecnierebaTa akademias am mni Svne- l ovani wamowyebi saTvis.

konferenciis muSaobis period- Si gaformda ormxrivi xel Sekru- l ebebi urTierTTanamSroml o- bis Sesaxeb saqarTvel os sofl is meurneobis mecnierebaTa akade- miasa da ukrainis qal aq vinicis erovnul agrarul universitets, agreTve ukrainis podol skis ag- rarul -teqnikur universitetebis Soris, rac metad sasargebl o iq- neba am organizaciebis samecnie- ro da sakvl evi mimarTul ebebis optimizaciis mimarTul ebi T.

*el guj a SafaqiZe,
saqarTvel os sofl is meurneobis
mechnierebaTa akademis akademuri
departamentis ufrosi,
ssmmakademis w/korespondenti,
teqn. mecn. doqtori, profesori.*



konferenciis monawil eebi "agro-qarTu"-s sacdel nakveTSi



vawarmoot da vi kvebot bi oproduqtebi T

sxvadasxva iaraRiT, wesebi Ta da meTodebi T miwi s damuSaveba, mcenareTa da cxovel Ta j iSebis gamovana, maTi moSeneba da movl a-patronoba adamianiTa uZvel esi kul turis erTi arsebi Ti el ementia. amas-Tan, es aris ara mxol od bunebis sagnebis mopoveba da damuSaveba, aramed adamiani s mi zanmi marTul i ze-moqmedebac sakutTar sul ier unarze (sul is gamozrda). moZRvrebasi sul is marTvis da aRzrdi Sesaxeb „sul is georgikas”, sul is miwaTmoqmedebas, sul is gar daqmnas (miwi s damuSavebi s msgavsa) uwodeben. adamiani s xeul Si grZnobi T, sunTqvita da kvebi T SeRweul i oTx i stiqiis (wyal i, haeri, miwa da cecxi i) el ementebi da samyaros energetikul i Zal ebi erTobl i obaSi sasi cocxl o substancias qmnan. adamiani sasi cocxl o kavSi rSi anurasTan (miwa – wyal – Tan da kosmosTan).

yovel i cocxl i arseba, usi-cocxl o bunebi sgan gansxavebi T, ikvebeba da mravl deba. adamiani, rogorc miwieri arseba, samyarosTan dakavSi rebul ia grZnobis organoebi T, sunTqvita da kvebi T. sakvebi adamiani sTvis er-TaderTi cnobi i energetikul i wyroa. adamiani kvebis gzi T Sedis mWidro kontaq-tSi bi osferos Semadgeni obis qimi ur ni vTi rebebs-Tan. gar emomcvel i buneba moi Txovs, rom adamiani i kvebebodes i sakvebi T, rasac i gi mas aZI evs da im raodenobi T, rasac gascems. Sei ZI eba vamtkicoT, rom adamiani sTvis swored i sakvebi da i raodenobaa sa-Wiro da sasargebl o, rasac Cveul ebriv, si amovnebi T moixmars. gar emomcvel i samyarodan mi Rebul ni vTi-rebebs adamiani kvebis gzi T gadaamuSavebs saWml i s momnel ebel i sistemi T. kvebis procesSi sakvebi organoebi s aramaterial ur substanciad gardai qmneba.

ansxvaveben kvebis or tips: miwi ersa da kosmi urs. miwieri kveba saWml i momnel ebel i sistemi s gzi T xorciel deba, xol o kosmiuri – aRqmis organoebi T (Tval i, cxviri, yuri, SegrZnebebi).

sakvebis cal keul i nawil aki Seicavs fizikur, emociur arsTan erTad sicocxl es. asimil aciis gzi T organizmSi sasi cocxl o energiis Canergvamde unda moxdes misi gadal axva da damorCil eba. amisTvis sa-Wiroa garkveul i raodenobis energia da dro. mi nerai uri, cxovel uri da mcenareul i sakvebis gadamuSa-

veba – aTvi sebas, maTi gansxavebebi s mi xedvi T, Sesabamisi raodenobis energia da dro swi rdeba. adamiani da cxovel ebi mcenareebi T kvebisas miwi s qimi ur komponentebi i Tvis seben. adamiani advi l ad i Tvis sebs mi nerai ur sakvebs. masTan Sedarebi T Znel ad asaTvi sebel ia mcire individual obis mqone maRal organi zebul i mcenareebi sagan mi Rebul i sakvebi. ki dev ufro Znel ia damaRaL organi zebul i cxovel ur i sakvebi s aTvi seba. sakvebi, romel ic mi Rebul i a cxovel i sagan, individualuri „sxeul is survil is” nawil akebi sagan Sedgeba da amis gamo i gi gacil ebi T individual i zebul ia, vidre mcenareul i sakvebi. cxovel ur sakvebi s arsebobs uj redis individualuri samSvinvel i, romel ic gamsWval ul ia cxovel i s vnebebi Ta da survil ebi T, ami tom mis gadasal axavad da dasamorCil ebl ad, rata moxdes misi aTvi seba, saWiroa mnis Vnel ovani raodenobis energia da dro.

saqar Tvel oSi ukanknel aTwl eul Si, marTI madidebluri ekl esi i s gavl eni T, adamiani ma di-di evol ucia gani cada, romel ic gamoi xata morwmune individuali debis gonebrivi unaris ganvi TarebaSi. gonebrivi unaris ganvi Tarebam

gaafar Tova j ansaRiT cxovreibis wesis Sesaxeb swori warmodgenebi. adamiani, Tavisufal i nebis ganvi Tarebis Sesabami sad, gaakeTa swori arCevani. i swavl a, ra unda Wamos da dal i os. ekl esi urma cxovrebam ganpiroba (marxvi T) kvebis swori sistema. es i Tqmis kvebis marTebul (bunebriv, tradiciul) sistemaze da ara idealuri sakvebis gamoyenebaze, rac, saude-durod, xel misawdomi ar aris farTo fenebisaTvis.

umTavresad ynosvi da mxedvel obis organoebis meSveobi T sakvebis gadamuSavebis sasignal o sistema adamiani s aRzravs ganwyobas. garda amisa, organi zms aqvs sakvebis Tvis TSerCevi s unari c. amgzi T, xSir Sem-TxvevaSi, adamiani akeTebs swor arCevans. es xdeba maSin, Tu adamiani sTvis xel misawdomi xdeba j ammrTel obisaTvis saRi sakvebi produqtebi. grZnobis organoebi ver ansxvaveben naturaluri da sinTezuri danamatebi T Seqmni produqts. igi izul ebul ia sakvebad gamoyenos j ammrTel obisaTvis uvargisi produqtebi. aseTi produqtebi adamiani s iweves sasicocxl o Zal ebis di harmonias, rac vi indeba tkivil sa da avadmyofobaSi. sakvebi sagan mi Rebul i



di sharnoni i s mosaxsnel ad adamiani Svebas poul obs wamal Si. tkivil i s mosaxsnel i preparatebi kI avs organizmisi sasignal o refi eqsebs, asustebs grZno- bi sunari anobas di sharnoni i dasaZI evad da spobs i individis umaRI esi Semoqmedebis unars. Ti Tqnis yvel a daavadeba gameweul i a sakvebi Ta da kvebi T.

narkotikebi, Warbi al kohol i da matoni zirebeli i sasmeli ebi, qimiuri nivTierebebiT gazavebul i sakvebi, qimikatebiT moyvanil i xil i da bostneul i, emul gatorebiT, saRebavi nivTierebebiT, aromati- zatorebiTa da sxva sinTezuri danamatebiT warmo- ebui sakvebi produqtebi SeuTavsebel ia adamiani s j anmrTel i cxovrebis westan. amrigad, Tu Cvens ci- vilizacias kosmiuri perspektivi dan gadavxedavT, aRmoCndebe, rom miwieri adamiani s mxol od mcire procenti inarCunebs absol utur j anmrTel obas.

bunebasTan damoki debul ebaSi (natura-kul tura) aucil ebel ia sibrZne da keTiL goniereba. yvel aferi yvel afer Tanaa dakavSi rebul i da es gacnobiere- bul i unda gvqondes. adamiani – bunebi s nawil i, ki ar unda ewi naaRmdegebodes bunebas, aramed masTan har- monias qmni des („wi naaRmdegobis sul i boroti su- l i a“). adreul epoqaSi kul turis cnebaSi moiazreb- dnen sameurneo saqmi anobis umTavres formas, romel sac agrokul turas (agrokul tura l aTinurad – miwaTmoqmedeba) uwodebdnen. adreul epoqaSi miwas muSaki keTiL gonieri iyo, igi miwas ki ar ebrZoda, aramed SesTxovda i se, rogorc RmerTs: „puri Cveni arsobisa momec Cven dRes...“ qarTvel i gl exkaci puris Tesvisas i Rebda muWa marcvil s, moabnevda miwas da i tyoda: „es Tqven Wi a-Ruano, es Tqven frinvel no, es ki – mena.“ ami T pati vs miagebda yovel sicocxl es- cocxl miwas, cis frinvel T da sakuTar Tavs.

dRes, evropaSi c ki, didi si fRTxil iT ganixil aven miwasTan adamiani s damoki debul ebi s sakiTxs. fiq- roben, uari Tqvan industriul miwaTmoqmedebaze, Tumc saer Tod evropaSi da konkretul ad hol andi- aSi waxal i sebul ia intensiuri sofi is meurneobis dargebi. zogierT qveyanaSi (Svedeti) al ternatiu- l i miwaTmoqmedebis formebis danergvas strategiuli i mimarTul eba mieca da aseTi fermebidan mi Rebu- l i sasofl o-sameurneo produqciis sxva qveynebSi gatana kanoni Tai krZal a.

saqarTvel o uZvel esi Tvi Tmyofadi agrarul i ku- l turisa da sakvebmopovebi s mowinave gamocdl ebi s qveyanaa. tradiciul sakveb produqtebze moTxovni- l eba qarTvel ebSi genetikuria, rac aTaswl eul ebi s manZil ze ixveweboda, rogorc gemovneba da mkvidr- deboda, rogorc kvebi s xasiaTi. Cveni qveyni s geogra- fiul i garemo, mkveTrad gamoxatul i vertikaluri zonal oba ganapi robebda mTisa da baris ekonomikuri zonebis formirebas, sofi is meurneobis gaZRoi is specifikur Tavisburiebas, romel i c bunebaTsargebi obis principebs, ni adagdacvi T miwaTmoqmedebasa da bunebriv-kul turul mecxovel eobas efuzNeboda.

CvenundaaRvdginoT daganvavi Tarotagroekol o- giuri warmoebis is tradicieli da unikaluri wesebi, roml ebi c TanxvedraSi mova Tanamedrove teqnoT o- gibTan. es saSual ebas mogvcems vawarmooT uxvi da

„buneburi“ (il i a WavWavaZe), naturaluri produqcia (miT umetes, rom saqarTvel oSi Seqmnil iamsofl io- Si unikaluri, maRal efeqtiani biopreparati „bio- rragi“, romel ic uzrunvel yofs kul turaTa ekol o- giurad sufta da 2-3-j er maRal mosavl i anobas. igi aseve warmatebiT gamoiyeneba mecxovel eobaSi). ase- Ti midgoma gamarTI ebui ia, radgan unikaluri bio- geoki imaturi pirobebi da garemo, xal xis unar-Cve- vebebi da gamocdl eba, geopolitikuri mdebareoba da sxva faktorebis kompl eqsi qmnis qarTul i agrarul i meurneobis SedarebiT upiratesobas.

qarTul i tradiciul i miwaTmoqmedebis principebi SeeTanadeba bioorganul i sasofl o-sameurneo war- moebis Tanamedrove principebs.

bioorganul i sofi is meurneobis umTavresi amo- canaa adamiani s miawodosj anmrTel obis SesanarCunebil ad aucil ebel i sakvebi. material isturi gagebiT, nivTierebaTa cvl is Sedegad adamiani Tavis sxeuil s agebs im nivTierebebi dan, rasac Wams. wmi nda materi- al istur gagebas Seesatyvi seba l udvig foierbaxis cnobil i gamoTqma: „adamiani s aris, rasac Wams“. am- tom sakvebis xarisxaTvis mniSnel ovania ara niv- Tierebebi, aramed energiis is muxti, romel sac igi Tavis TavSi Seicavs da aucil ebel ia sul ieri Semoq- medebiTi aqtivobi saTvis. mxedvel obaSi mi i Reba ara „kal oriebi“, aramed is specifikuri saxe energiisa, romel ic damaxasiaTebel ia mxol od cocxl i orga- nizmebisTvis da rac qmnis maT sicocxl es. mkvdari nivTiereba rom gacocxl des, igi unda amarI des uf- ro maRal energetikul safexuramde. es gardaqmna xdeba mxol od mcenari s organizmisi. mcenari dan iwyeba sicocxl is j allvi, romel i c dasabams i Rebs mzi dan dagrzel deba cxovel ebi Ta da adamiani T.

bioorganul i sofi is meurneobis meTodebi mimar- Tul i a iqiT, rom mi viRoT sasi cocxl o energiiT ga- jerebul i naturaluri produqtebi.





„adami ani unda i kvebebodes mxol od naturaluri sakvebi T“ – es aris bioorganul i miwaTmoqmedebis mTavari principi. amis mi xedvi T, adami ani kvebavs mi-was, miwa-mcenares, mcenare-cxovel s, xol o mcenare da cxovel i-adamians. aq miwa ganxil ul ia, rogorc si cocxl is matarebel i. Sesabami sad, miwis sakvebad gamoyenebul ia nakel i, komposti, neSompal a da mwvane susuqi, ami tom masSi mcxovrebi mikroorgani zmebi, wvimiši wiayel ebi da sxva cocxal i organi zmebi acocxl eben miwas. meoce sauunis ociani wl ebi dan dasavl eT evropaSi qimikatebis gamoyenebam daars-

Rvia sasicocxl o Zal ebis wrebrunva, ramac Seqmna sasignal o asignaciebi: gauaresda mar cvl is da, Sesabami sad, puris xarisxi, Seiqmna cxovel Ta daavadebis probel emebi. Tanda Tan SeamCnies, rom icvl eboda Tvi T adami ani. dRes naxevrad sinTezurma sakvebis moxmarebam adamians mwuxareba moutana. ganukurnebel i daavadebebis gavrcel ebastan erTad kul turul doneze mi vi ReT saSinel i Sedegebi – quei Tdeba azrovneba, Seiryia moraluri da zneobrivi safuZveli i, izrdeba unebis yofoba, depresia, suicidis Sem-Txvevebi.

dasasrul, msolfi o Si mkveTrad gai zarda moTxovna ekol ogi ur ekonomi kaze dafuznebul bi oorganul sakveb produqt ebze. mi uxedadavd i misa, rom adre amis mni Svnel obas gansaku Trebul yuradRebas ar aqveda, axl a aSS-i c am gzas daadga (2012 wl is 28 i vnis) – evrokavSirTan paqt gaforma bioproduqt ebis warmoeba-sertificirebis saki Txze.

saqarTvel os aqvs yvel a piroba da Sesazi ebl o ba bi oorganul i sofl is meurneobi s ganvi Tarebis Tvis, mi T umetes, rom axl axan (30 ivl isi, 2013 wl i) saqarTvel os mTavrobam mi i Ro dadgeni l eba # 198 „biowarmoebis Sesaxeb“.

*paata koRuaSvili,
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*davi T kezel i,
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aWaraSi ci trusebis damzadeba mal e daiwyeba

mecitruseoba iyo da kvl avac rCeba aWaris avtonomiuri respubli i-kis sofl is meurneobi s erT-erT wamyvan dargad. regionis ci trusebis farTobis 6000 ha-ze amjamad dasaqmebul ia 22800-ze meti fermeri, sasual od ci trusovanTa mosavl is xvedriTi wil i memcenareobaSi warmoebul i produqciis 27 %-s Seadgens, xol o respubli ikis fargl ebs gareT real izebul i produqciis 70 %-s. ci trusovnebi dan regioni ZiTi Tadad mandarinis, forToxl isa da I imonis saxeobebi i warmoeba, warmoebul i ci trusovnebis 95% mandarinia.

2013 wl is ci trusis sezonze sapsognozo monacemebiti T ci trusovanTa mosavl is uxvi warmoebaa mosal odnel i, amatgan: mandarinis – 110 000 tonamde, forToxl is – 7500 tonamde. I imonis – 1500 tonamde. sul ci trusovanTamosaval maSeiZ- I eba 119 000 tonas gadaa Warbos. bo- l o wl ebTan Sedarebi T mmdinare wel s mosavl i anobis aseTi mkveTri mateba ci trusebi satisdamaxasi-aTebel i mewil eobis Tanxvedrisa da ganxorciel ebul i „sasofl o-sameurneo baraTebis“ programi-Taa ganpi robebul i da aseve aWaris

a. r sofl is meurneobi s saminstros mier „memcenareobi s dargis ganvi Tarebi s mznit kvl evebi da prevenciul RonisZiebebi“ programis fargl ebSi ganxorciel ebull i sami qveprogrami T: 1) „ni adagis kvl eva da Sesabamisi rekomenaci-ebis gaweva“ am qveprogrami T ganxorciel da aWaris meci truseobi s zonaSi mmdinare wl is gazafxul -ze 2500 nimusis aReba, laboratoriul i kvl eva da Sesabamisi rekomenaciobis gacema fermerebz; 2) „sasofl o-sameurneo kul turebis mavnebel -daavadebebz diagnosti-



tika da prevenciul RonisZiebebi fermerTa konsul tacia“. am qveprogrami fargl ebSi mmdinareobi s regionis sxvadasxva dargSi dasaqmebul i fermerebis sakarmidamo nakveTebSi mavnebel -daavadebebis monitoringi, diagnostika, dro- ul ad muSavdeba maTTan brZol is RonisZiebebi (yovel i konkretul i kul turisaTvis); xdeba fermerTa swavl eba-konsul tireba, gasvl i Ti

savel e seminaris Catareba da s-a-rekomendacio-sacnobarotripl e-tebis gacema; 3) „pesticidebis da agroqimikatebis I aboratoriul i kvl eva“. am qveprogramis mizania vadagasul i, uxarisxo, fal si fici-rebul i pesticidebis da agroqimikatebis sareal izacio qsel Si moxvedris Tavidan acil eba, ris safuZvel zec mcenareTa dacvis RonisZiebebi sef eqturobagai zar-da, Sesazi ebel i gaxda xarisxiani mosavl is mi Reba da warmoebis maC-venebl ebis zrda. sabol oo j amSi aRni Snul ma programebma regionis mecitrusobis dargSi dasaqmebul fermerebs srul i agroteqniki-ri RonisZiebebi ganxorciel ebris saSual eba misca, ris xarj zec ga-i-zarda citrusis rogorc xaris-xobrivi, aseveraodenobrivi maCve-nebl ebi. aqedan gamodinare, citrusovanTa mosavl is real izaciis maRal doneze organizebisaTvis dReis mdgomareobiT aqtual uria tara-masal is, SesafuTi saSual e-bebis da dafasoeba-daxarisxebis probl ema. swored ami tom mimdinare wel s aWaris ar sofi is meurneobis saministrom am probl emis gadasaWrel ad qmediTi nabij ebris gadadgma daiwyo, ramac sabol oo j amSi sasurvel Sedegebamde unda mi gviyanos, radgan saeqsportod maRal xarisxiani da konkurentu-nariani produqciis warmoebisTaTvis, citrusis gadammuSavebel i da taris mwarmoebel i axal i sawarmoebis amoqmedebiT evropul i stan-dartebis Sesabami sad SefuTul i produqciis warmoeba gaxdeba Sesazi ebel i. saministros iniciati-T qobul eTisa da xel vaCau-ris municipal itetebSi citrusis daxarisxeba-gadazi dviT dainte-resebul pirebs simbol ur fasad gadaecaT 30-mde yofil i citrusis damxarisxebel i pavil ionebi warmoebis aRdgenisa da citrusi-sa da sxva xexil is damxarisxebel - SemfuTavi sawarmoebis mowyobis mi zni T. amJamad mimdinareobs ar-sebul i Senoba-nagebobebis rekon-strukcia da infrastrukturul i samuSaoebi. damxarisxebel -SemfuTavi sawarmoebi uzrunvel -yofil ni iqnebian mimdinare wl is citrusebis sezonisaTvis saWiRo inventariTa da teqol ogiuri xazebiT (mandarinis nayofis damxarisxebel - SemfuTavi xazi, av-tomtvirTavi, el eqetrosaswor,

pnevmaturi urika TiToeul i aranakl eb 2 tonamde tvir TamweobiT, pal etebiT da pal etze dawyobil i yuTebis Semkvrel i). rac yvel aze mTavaria, arsebul i obiqtebidan ori xel vaCaurisa da oric qobu-1 eTis municipal itetebSi orienti-rebul i iqneba nayofis daxarisxeba-SefuTvasTan erTad al vis xis anaTal isa (Sponis) da pl astmasis yuTebis warmoebaze, romel Ta te-vadoba 12-15 kg iqneba. sul maTmi-er mimdinare wl is sezonisaTvis warmoebul i iqneba 6 mil ion i yu-Ti, rac TavisTavad gul isxmobs citrusis saeqsportod gatanis

ametris) nayofebis gadamuSavebas uzrunvel yofs SpS „aqtivebis marTvis qarTul i industriul i j gufis“ qobul eTis sakonser-vo qarxana. marTal ia, aRni Snul i qarxana wina wl ebSic awarmoebda arastandartul i nayofebis gadamuSavebas, magram fermerebis Tvi-Ton uxdebodaT rigSi dgoma; mim-dinare wel s axl ad gaxsnil i Sem-fuTav-damxarisxebel i sawarmoebi TviTonve uzrunvel yofen arastandartul i nayofebis Cabarebas sakonservo qarxanaSi. mimdinareobs muSaoba citrusebis eqsport-tze transportirebisa da ganba-



srul iad axal i teqol ogiis da-nergvas. yuTebi iqneba etiketi-rebul i, masze mi TiTebul i iqneba mwarmoebel i qveyana da mewarme, maTi dal ageba da Sekvra moxdeba pal etebze mniSvn ovania aRni Snul i yuTis dabal i wonac (700-750 grami), rac TiTqmis 6-j er nakl e-bia standartul i xis yuTis wonaze. citrusis 30-33 kilogramiani yuTebiTeqsportirebisas (45 aTas tonamde) yovel wl iurad 5 aTas tonamde xis tara qveynis gareT gadis da ikargeba, xol o trans-portirebisas produqciis xarisxi mniSvn ovnad mcirdeba.

qarTul i mecitrusobis praq-tikaSi pirvel ad xeba nayofebis daxarisxeba ramdenime fraqciad: nedl eul is 42 mm-ze nakl ebi zomis nayofebi CaiTvl eba arastandartul ad, xol o standartul i da-iyofa sam j gufad 42 mm-dan 48mm-de; 48 mm-dan 55 mm-mde da 55 mm-dan 60 mm-mde di ametris nayofebad.

15 000 tona arastandartul i mandarinis (42 mm-ze nakl ebi di-

Jebis mowesrigebasTan dakavSirebiT. am procesSi CarTul i iqneba rogorc saxmel eTo transporti, aseve-sazRvao: baTumi sa da foTis portebis saborne gadasasvl el ebi, aseve aqturad mimdinareobs mol aparakeba TurqeTis respub-likis uaxl oesi portebis gamo-yenebasTan dakavSirebiT. qveyni-saTvis am mniSvn ovani saki Txis warmatebiT ganxorciel ebaSi aqturadaa CarTul i saqarTvel os sofi is meurneobis saministro da masSi Semaval i strukturul i erTeul ebi.

CamoTvl il samuSaoebs kontrol s gauwevs sakoordinacio Stabi, romel ic mimdinare wl is citrusebis sezonisaTvis Seiqlmeba.

*avTandil mesxiZe,
ministris moadgil e-
biol ogiis akademiuri doqtori
mamuka TurmaniZe,
sofi is meurneobis dargobrivi
ganvi Tarebis ganyofil ebisufrosi*

Caqvis ci trusebis sacdel -sademonstracio sanergeebi



Caqvis ci trusebis sacdel -sakol eqcio da sademonstracio sanerge 2011 wel s Selqmna. rogorc aWaris avtonomiuri respubl ikis sofi is meurneobis saministros Caqvis ci trusebis sadede-sakol eqcio sademonstracio nakveTis, „alpi agros serviscentris“ memcenareobis ganyofili ebis ufrrosi nugzar oqropirize mxsnis, am sanerges aWaris sofi is meurneobis saministros iniciativit Caeyara safuzvel i da ukve meore wel iwadi a es proeqti misive xel - Sewyobi T xorciel deba.

sanerges 11 hektari ukavia da Ziri Tadad CineTi dan, TurqeTi dan da espaneTi dan Semotani i ci trusis 65 axal i j iSia gaSenebul i. maT Soris 25 – mandarinis, danarCeni – forToxi is, l imonis, ci troso da sxva.

arcTu Soreul warsul Si meci truseobis dargi aWarasi sakmaod ganvi Tarebul i iyo, ci trusis sanerge meurneobebi, aqturad mimdinareobda sel eqciuri muSaobac, magram TandaTan yvel aferi moiSaIa, sanerge meurneobebi gaCanagda da es saqme kerZo pi rebris, ufrro sworad, gl exebi s anabaradar Ca.bol o aTeul i wl ebia ci trusis baRebi faqtobri vad aRar axl deba, rac Sedegzecaisaxa. aWarasi ci trusis warmoebis done mni Svnel ovnad Semci rda.

– aWarasi ci trusebis baRebi gadaberebul ia, arsebul i j iSebi moZvel ebul i, naki ebmosavl iania da dRevandel standartebs ver akamayofil ebs, ami tom aucil ebel ia maTi axal i, uxvmosavl iania, Tanamedrovej i Sebi T Canacvl eba. aWaris regionSi ci trusis warmoebis didi potencial ia da qveyanam es unda gamoi yenos – meubneba l evan kekel iZe da ci trusis sanerges maTval ierebinebs.

– adre, roca aWarasi ci trusi gaSenda, mandarinis im j iSebi sumetesoba, romel ic dRes svxa qveynebSi intensiurad gamoi yeneba, jer kidev ar iyo Seqmnil i – meubneba batoni nugzar oqropirize. saadreo j iSebi Cveni regioniSTvis imi tomacaris aqtualuri, rom Sua noemberSi, roca CvenTan tradiciul ad ci trusis mosavl is aReba iweba, ci va, wvims, Tovs, mosaval i fuWdeba. axal i j iSebi ki seqtembris bol os, Sua oqtomberSi Semodis. am dros mosavl is aRebac i ol deba da mosaxerxebel i caa. axl a swored am j iSebis gamocdis procesSi varT, varCevT romel i ukeT gamoavl ens Tavis Sesazi ebl o-bebs, rogorc ki saukeTesoebs gamovarCevT, davrmundebebiT, rom stabil urad iZI eva mosaval s, vfigrobT, Cveni ve saTburSi gamoyvanil i nergebi mosaxl eobas Tvi TRi rebul ebasTan miaxl oebul fasad – 1 -1.5 l a-

rad SevTavazoT. dRes bazarze erTwl iani nergi 2.5l arri Rirs, orwl iani – 51 ari. ase rom, es Cveni meci truse fermerebisTvis mni Svnel ovani SeRavaTi iqneba.

– ci trusebis garda qobul eTis raionis sofel gvarasi Tanamedrove teqnol ogiebiT – intensiuri metodiT gaSenebul i xexil is baRi da vazis sanerge gvaqvs. Tu ar dai zarebT, Caqvidan ramdenime kil ometrSia, gavideT, dagaTval ierebinebT – mTavazobs batoni nugzar oqropirize.

si amovnebiT vTanzmdebi da manqani T qobul eTisken mi vemarTebiT.

– gaRma, ferdobelze rom axal Seni baRi mosCans – mani Snebs batoni nugzari, iqac mandarinis sanergea, saqarTvel os sofi is meurneobis saministro maaSena, iq mxol od iaponuri j iSebia, aucil ebl ad naxeT, Zal ze saintereso samuSaoebi tardeba.

ramdenime wuTis mgzavrobis Semdeg sofel gvaraxucubnis vazis da xexil ovnebis sadede-sakol eqcio da sademonstracio sanergeSi varT. sanerge ramdenime heqtarzea gaSI il i. etyoba, aq Sromis yadri ician. sanergeebi, romel ic saxeobebis mixedvi Taa dayofil i, sagul dagul odaa movl il i, viwro arxebiT, simetriul ad daRarul i... gazafxul ze da Semodgomaze aq wyal i dgeba, ami tom wyal sawreti sistemi s mowyoba aucil ebel ia, Torem zedmeti wyal i nergebs gagvi xmobs – meubneba batoni nugzari da sanerges maTval ierebinebs – aq vaSI is, msxl is, nuSis, bl is, atm is 24 j iSia gaSenebul i, cota zemoT vazia Cayri-i, sul 19 j iSia, rogorc sasufre, i se saRvine vazi – kardinal i, Cxaveri, col ikauri, al adasturi da sxva j iSebi. saguramos, j iRauras vazisa da xexil ovnebis sargavi masal is erovnul i centridan Semovi taneT.

gvaqvs adgil obrivi j iSebic. yvel a gaxarebul i rom aris, ki xedavT, zogs nayofic gamotanil i aqvs, yvel a erTwl iani nargavebia. Semodgomaze kapi tal ur Spal e-rebs gavukeTebT da tradiciul zvrebs gavaSenebT.

aqve 500X500 kv.m. ori saTburi Sendeba, erTSi xe-xil ovnebis ner gebs gamoviyvanT, meoreSi ki – vazis ner gebs. ukve saZirkvel i gaWril ia, aqve i qneba admi-nistraciul i Senobac. marnis mowyobasac vfifrobT, mosaval s rom mi vi RebT, xom unda davabi naot. imedi gvaqvs, da es mar to imedi ar aris, am mi mar Tebi T se-riozul ad vmuSaobT, vcdil obT, meci truseobasTan erTad Cvens regionSi mevenaxeobac ganvavi Tarot – dasZens batoni nugzar oqropirize.

xexil is ZirSi miwaa moTeTrebui i, vinteresdebi. sasuqi a-meTqi, al baT.

– es defikaciuri tal axia. CvenTan mJave reaqciis ni adagebia da ganei tral eba, mokiri aneba swirdeba, ami s gareSe mosavl is mi Reba Wirs. masal a, dol omi t adre tyvarcel i dan Semogvqonda, magramdRes, mogex-senebaT, iq ra mdgomareobacaa. vi codi, agaris Saqris qarxanas wl ebis ganmavil obaSi uamravi narCeni, aseTi defikaciuri tal axi hqonda dagrovil i. aseTi narCeni 80% kirs Seicavs. gadawwyiteT swored es narCeni gamogveyenебina. SemovitaneT da davi wyeT am tal axi T mJave ni adagebi s ganei tral eba. Sedegi saxe-zea. roca es naxes sofl is meurneobi s saministros special istebma, gadawwyi tes SeemuSavebinAT specia-luri programa, romel icwl eul s amuSavdeba, sadac saxel mwi fo 70%-iT daafinansebs miwi s kerZomfI o-



bel ebs, rala mal Sezi on lavianli savargul ebi am defikaciuri tal axi T daamuSaon.

baton nugzars vemSvi dobebi. sainteresoa, rogori Sedegi eqnebaT erTi wl is Semdeg. davyirdi, rom aucil ebl ad movinaxul eb. aseTi xal xi rom swirdeba qveyanas, amaze maTive nakeTebi da saqme metyvel ebs.

batoni nugzari s rCevi T samxreTis ferdobze Se-fenil i sanergi sken mi vemarTebi.

winaswar davreke, SpS „qartul i bostneul is“ Caq-visci trusissacdel -sademonstracionakvetismTavar special isti ol eg gvariSvil i adgil ze mxvdeba. es sanerge 2012 wl is gazafxul ze gaSenda. mas saxel -mwi fo, saqarTvel os sofl is meurneobi s saministro afi nansebs.

sanerges 10 hektari uWiravs. citrusis sacdel i j iSebi 6.5 hektarzea gaSenebul i.

batoni ol egi gamocdil i special istia, es saner-gesac etyoba.

– aq sul mandarinis cnobil i iaponuri saadreo j i Sebia gaSenebul i, aqcenti niCinan niCi gouzea gake-

Tebul i (wamyvani saadreo j iSia iaponiaSi), mesame dekadaSi modis, 20 seqtembridan i kri feba, mixsnis batoni ol egi – mere modis ueno vase (vase i aponurad saadreos ni Snabs), oki cu vase, taguci vase, mi agava vase, haraguCi vase, iura vase, mukai ma, kavada. CvenSi gavrcel ebul mandarinTan Sedarebi T yvel a saadreo j iSia, oqtomberSi Semodi s Ziri Tadad, or metramde simaRI is izrdeba. erT Zirze, daaxl oebi T, 30-35 ki-l ograms isxams, msxvil nayofaa, yinvagamZI ea. „mia-gavas“ kl oni 1,5 gradusi T met yinvas uZI ebs, vidre sxvaj iSebi. qveda i arusSi, sadac civi adgil ia, Ziri-Tadad swored es j iSi gavaSeneT.

mandarinis yinvagamZI eobis zRvari minus 12 gradusia. namyenTan yi neba. mar to saZire – trifol iate minus 25 gradus yinvas uZI ebs, ami tom saZire d i gi gamoiyeneba, Tumca misi saZireebis gamoyvana da movl a Zal i anrTul ia.

Cven mandarinis j iSebs vcdi T. romel i adre gay-vi TI da, saadreo j iSebs romel i ufro saadreoa. yovel aT dReSi vamowmeb si yvi TI es, simwi fis fazasi romel i aswrebs Sesvl as. zogierTs ukve 20 agvistodan Separa si yvi TI e, aseT j iSebs vni SnavT, romki-dev ufro saadreo j iSi gamovi yvanoT.

citruss kvirtis mutacia axasiaTebi. swored kvirtis bunebrivi kl onirebis gziTaa miRebul i ramdenime Zvirfasi forToxl isaTu mandarinisj iSi. Cvenc vakvirdebiT, akl imatizaciis periodSi Seizi eba romel i me formam saxe icval os da sxva axal i forma mogvces. es aris saintereso. i aponel ebi Wkiani xal xia. 3,6 mil ion tona citruss awarmoeben da aSS-s Semdeg msofl io bazar zemeore adgil i ukavi aT. Cven-Tan xom teniani subtropikul i kl imatia. iq musonuri kl imatia. nal eqebris raodenobi Ta, da temperatu-raTaj ami Tkl imati Ti Tqmis emTxeva erTmaneTs. maT Zal ian bevri hibridi aqvT gamovani l i, ami tom aris esj iSebi saintereso Cveni regionisTvis.

CvenTanbevri fermeri modis, amj iSebis gamravl eba surT. orwl i anma ner gebma ukve mosaval i mogvca. mandarinis CvenTan, rogorc wesi 4-5 wel i swirdeba rom moisxas, amj iSebis umetesoba ki meore wl i dan iZI eva nayofs. SarSan aq 500 kilogrami mandarinini movkri-feT. wl eul s ufro did mosaval s vel odebtiT.

mi zanic swored is aris, rom Cveni pirobebisTvis Sesaferisi saadreo j iSebi SevarcioT da fermerul meurneobebSi gavavrcel oT. Sedegi aSkarad kargia. danar Cens momaval i gvi Cvenebs. Cven energias ar vi SurebT.



Ziri ieri sofeli qveynis simdi drea

ramdenad Ziri ieria dRes saqarTvel os sofeli ebi, ra uWirt da ul xint, amis magal iTad Wiaturi muni ci pal itetis sofeli i bereTisac sakmarisi iqneba.

es sofeli i nigozeTis TemSi Sedis. sofeli Si sul Svidi ubania da xuTasamde komi i cxovrobs. mo-saxl eoba Ziri Tadad miwaTmoqmedebi Taa dakavebuli. saqarTvel os sxva sofeli ebis msgavasd, mTavari probl ema umuSeviroba da sofeli Si misasvl el i gzs ararsebcaa, Sesabamisad, transportic SeferxebiT moZraobs. skol idan moSorebiT mcxovreb bav-Svebs zamTariSi fexiT siarul i uWirt. ar arsebobs samedicino punkti, avariul i gzs gamo ki saswrafo daxmareba avadmyofamde ver midis. mosaxl eobas sasmel i wyl i sprobl emac seriozul ad awuxeb. imis miuxedavad, romadresofel s Tavisi kinoTeatri da gasarTobi centri hqonda, dRes kul turul i RonisZiebebiSaTvis aranairi pirobebi aRar arsebobs, amitom axal gazrdoba sofeli s tovebs, sofeli i cariel deba da demografiul i probl emac TavisTavad Cndebea.

nigozeTis sakrebul os wamyvani special isti giorni tabataZe am saki Txze gul istkivi i TI aparakobs. iki dawvri ebiT miyveba im daxmarebis mni Svnel obaze, romel ic wl eul s gazafxul ze dai wyo mTavrobam, rom gl exebma miiRes sasofl o-sameurneo baratebi, ufasod daxnes miwa, SeiZines sasuqi dasofl is meurneobiSaTvis gankuTvnili i sxva saWi ro nivTebi. mar-Tal ia, am programis ganxorciel ebis dros sofeli ebi. Si warmoi qmna probl emebi, magram amJamad mmdinareobs sofeli is statistikuri aRwera, raTa SemdgomSi msgavsi samuSaoebi ufro efekturad Catardes.



შემცირებული მუსკოვიდების დაწესებულების მინიჭილი მიმღები სტანდარტი კორპუსი «Делаваль»-ის (www.delaval.com) eqli uzi u-

ri dil eri saqarTvel oSi, kompania „sofeli i teqnika“ aoxadebs vakansi as servisis inJinis Tanamdebobaze.

Ziri Tadi motxovnebi:

umaRI es i teqnikuri (zooteqnikuri) ganaTI eba, bol o kursis studenti;

meqanikis da el eqtroobis codna;

rusul i da ingl isuri enebis kargad codna;

marTvis mowmoba – B kategoria, mi vi i nebebi saTvis mzadyofna;

pasuxi smgebel i anoba, komuni kabel uroba.

Ziri Tadi moval eobebi:

– sxdasxva saxi saremonto da servisul i momsa-xurebis gawevo;

– kompania «Делаваль»-ის servis-momsaxurebis da mowyobi l obebis gayi dva.

pi robebi:

Sromi Ti kontraqt;

Sesrul ebul i samuSaos mixedvi T konkurentul i Sromis anazRaureba da saqmi anobi s Sedegebi dan gamodinare premiebi T waxal i seba;

samsaxurebri vi avtomobil i, saTanado Sromis pirobebi Seqmna;

swavl eba (maT Soris ucxoETSI), profesiul i Cvevebis ganvi Tarebis SesaZI ebl oba;

kompaniaSi muSaoba, romel ic i yenebs yvel aze mowinave teqnol ogiebs msofli oSi.

Tveni rezi umegamoagzavneT kompania «Делаваль»-ის personal Taganyofil ebaSi ekaterine gubanovasTan.

TqvenTvis sainteresi ki Txvebi SeiZI eba dasvat

tel efoniT (rusul an Ingl isur enebze)

+ an 00/79851755541

(9-dan – 19 saaTandemoskovis droiT).

wl ebia i gegmeboda gzi reabilitacia, magram usax-srobis gamo es probl ema probl emad rCeba. Tumca, moxerxda sofeli Si sani aRvre sistemebis gaumj obeseba, riTac Zal i an kmayofil ebi varT. dai gema, rom sofeli is centrSi aigeba Senoba, sadac ganTavsdeba ambul atoria, stomatol ogiuri kabinet, gveyol eba Cveni veterinari, moewyoba darbazi, sadac mosax- I eobas SeeZI eba Sekreba da sofeli is probl emebis ganxiL va.

saubris dasasrul s batonma giorgim gul istkivi-i iT Tavisi survil i gagvando: kargi iqneboda sofeli Si xil i svenebis gadammuSavebel i patara sawarmo aSenebul iyo, amit adgil obrivi xil i real i za-ciasac movaxerxebdiT da xal xic dasaqmdeboda, es ki, darwmunebul i var, garkveul wiL ad demografiul probl emasac Seumsubuqebda sofeli so.

es marTI ac aqtual uri Temaa. saqarTvel oSi, al-baT, yvel a sofeli Si SeiZI eba mcire sawarmos gamar-Tva, romel ic adgil obriv mosaxl eobasac daasqmdeboda da sofeli ad sasofl o-sameurneo produuciis warmoebis gazr dasac Seuwyobda xel s.

*salome kapanaZe
avtoris foto*

JOSKIN -

kompania,
romel ic
saWiro
produqci as
gTavazobT



JOSKIN (www.joskin.com) saxnav-saTeS da saTib savargul ebSi Txevadi da myari organul i sasuqis (nakel is) Semtani aggregatebis da sofi is meurneo-bisaTvis satransporto teqni kis sawarmoebel i i de-ri evropul i kompania, romel ic . wl eul s muSaobis 45-wl i an i ubil es aRni Snavs. SarSan ki kompaniam ori mni Svnel ovani zRude gadal axa. mTl i anma kapi tal b- runvam 100 mil ion evros gadaaWarba, xol o istori-aSi pirvel ad kompaniis sawarmoebma 4500 erTeul i teqni ka gamouSves.

j oskini j gufi fI obs 4 special izebul , urTier-TdakavSi rebul samrewvel o kompl eqss, romel Ta ba-zaze kompania maRal xarisxian da konkurentunarian produqci as awarmoebs.

mi znad i saxavs ra Tavisi produqci is gayidvi s Sem-dgom maRal xarisxian momaxurebas, j oskini Tavis qarxnebSi maqsimal ur makompl eqtebel mowyobil obbebs amzadebs.

j oskini is produqcia 4 Ziri Tad j gufad i warmoeba: Txevadi organul i sasuqebis Semtani cisternebis gama 59 sabazo 2500-28000 l i tri mocl obis mode- l ebi sgan Sedgeba da yovel i maTgani 700 ofci i Taa aRWurvil i, rac saerTo j amSi 10 aTasi kombinaci is ganxorciel ebissaual ebas i ZI eva. 2012 wel s gayida ra 2000 cisterna, kompaniamki dev erTxeL daamtka, romamseqtorSi kvl avl i deria kompania j oskini isT vis didi xania cnobi l ia, rom yovel i organika sas- qia, Tu i sni adagSi Tanabrad, saWiro dros, saTanado raodenobi T ganawi l deba. daeyrdno ra Txevadi da myari organul i sasuqis gamanawi l ebel i aggregate- bis warmoebis 25-wl i an gamocdi l ebas, dRes j oskini

momxmarebel s am manqanebis farTo speqtrs sTavazobs, roml ebsac sxvadasxva rel iefisa da si di dis savargul ebze Tanabrad SeuZl ia Txevadi da myari organul i sasuqis (nakel is) Setana.

sasuqis momfantvel i teqnikis garda j oskini momxmarebel s sTavazobs sasofl o-sameurneo da sxva dani Snul ebis monol iTur Tvi Tmcl el misabmel ebs, pirutyvis gadasayvan I afetebs, saborto-sammix- riv Tvi Tmcl el da sakvebis gadasazi d mi sabmel ebs, wyl i sa da sxva Txevadi tvirtis gadasazi d sxvadasxva zomi s universal ur avzebs.

j oskini momxmarebel s aseve sTavazobs universa- l ur zesadgrebs, roml ebzec Sesazl ebel ia rogorc organul i sasuqis momfantvel i sxvadasxva model is aggregatebis, i se sasofl o-sameurneo satransporto mowyobil obebis dayeneba.

j oskini aseve awarmoebs saZovrebis mosavl el uni- kal ur teqnikas, saTibel ebs, mul Ci rebisa da buCqis-mWrel aggregatebs, aeratorebs da sxva.

j oskini is markis produqcia msofl i os 40 qveyanaSi muSaobs. maT Soris aris saqar Tvel o, sadac kompania j oskini partniori gaxl avT kompania „msofl i o teqnika“ (www.worldtechnic.ge), romel ic Tanamedro- ve sasofl o-sameurneo teqnikisa da teqnol ogiebis danergvis mxriv qveyanaSi didi xania l i deris pozi- ci as ar Tmobs.

rac Seexeba j oskini teqnikis danergvas saqar T- vel oSi, kompaniamgasul i wl i dasawyisSi ramdenime erTeul i Txevadi da myari organul i sasuqis mom- fantvel i qarTul -Sveicariul kompania „Blauenstein Georgia“-s mecxovel eobis kompl eqss miawoda, sadac mas warmatebi T i yeneben.

gargaris al ternariozi da mis wi naaRmdeg
bi ol ogiuri brZol is perspeqtivebi



Յօլուր Ալպեմի, Տալուշյառ-Տալուշյառ կը կանգամա
մավne organi zmebi s wi naaRmdeg brZol Is erTiani sa-
xel mwi fo sistemis moSI Is Semdeg, rasac saxel mwi-
fo axorciel ebda kol meur neobebsa da kerZo sakar-
mI damo nakveTebze, bevrma l seTma daavadebebma l CIna
Tavi da intensiurad gavrcel da, roml ebic adre an
saer Tod ar l yo CvenTan an umni Svnel od l yo gavrce-
l ebul l. brZol Is erTiani sistemis moSI as Tan da-
erTo sasofl o-sameurneo kul turaTa ukontrol o
Semozidva. ukontrol od Semozidul produqciias
Tan Semohyva mavne organi zmTa axal -axal i saxeobebi,
rasebi, Stamebi da sakarantino obieqtebic kl, rom-
l ebic intensiurad gavrcel dnen saqar Tvel os mra-
val ferovani kl imat l spir obebSi.

ukanasknel wl ebSi Se ni Sneba xexil ovani kul ture-
bis, kerZod vaSl is al ternariozis gavrcel eba, rome-
l i c imdr os, rodesac xorciel deboda mavnebel -avad-
myofobaTa wi naaRmdeg brZol is gami znul i da kar gad
dasabuTebul i sistema, qveyanaSi ar ar sebobda.

Cven axl axan gamovavl ineT gargaris yl ortebis
xmobis faqtebi, romel ic amgvaris soko organi zmi T
Alternaria sp-iT aris gamowveul i. am gvaris sokoebi
farTo pol ifagebia da kargad vi Tardebian rogorc
mkvdar substantze, ise coxcal i organi zmis qsovi -
I ebSi, iweven intensiur paTol ogi ur procesebs da
di d zians avenebeen patron mcenares.

gargaris al ternariozi Cven pirvel ad aRvnis-
neT gurj aanis raionis sofel kardenaxSi, sadac
daavadebul i yo gargaris erTwl iani yl orte-
bi. daavadebis gamomwvevi sokos micel iumo da na-
yofianoba aRiniSneba yl ortis mTel sigrZeze da
axal gazar da nazards axmobs. yl ortebz ar aris
fOTI ebis ganvi Tarebis kval ic ki, xol o sayvavi-
I e kvirtebi odnav qaxsnil ia da Rerozea mimWkna-

ri (sur. 1,2). daavadeba kenwer odan iwyeba da mTel
yl ortze vrcel deba.

Reroze aRini Snea moruxo-moyavisfro I aqebi, roml i Tac Semorkal ul ia yl ortebei, rasac Tan sdevs axal gazrda nazardis j er Wknoba, sabol oo j amSi ki maTi srul i xmoba. daavadebul i yl ortebis anatomiur Wril ebSi mTel sigreze kargad moCans Alternaria sp-i smocemul i da nayofi anoba.

daavadebul i yl ortebis qsovil ebidan gamoyofili sokos wmindakul tura identificirebul ia rogorc Alternaria sp.

Alternaria sp.-i s sufTa kul turisj varedini SeTesvisas Trichoderma viridis-Tan es ukansknel i inhibitorul ad zemoqmedebs Alternaria sp.-i kol oniaze, rac saSual ebas i ZI eva Trichoderma viridis-i gamovi yenoT, rogorc am daavadebi s wi naaRmdeg bi ol ogiuri brZol is saSual eba.

al ternarioziswinnaaRmdegbrZol isprocesSi mcenare unda gaisxl as, anasxl avi ki nakveTidanmoSorebi T daiwas. saWiroa mcenareTa damuSaveba biopreparat biokatenas 2%-iani xsnariT diliisan saRamos saaTebSi. xSiral eqian periodSi waml oba unda gavimeoroT yovel 7-8 dReSi erTxel, xol o unal eqo amindSi 10-12 dRis Semdeg. biokatenas ZiriTadi moqmedi sawyisia Trichoderma viridis, romelic Trgnavas Alternaria sp.-is zrda-ganvi Tarebas da patroni mcenaris qsovilebSi xel susl ispaTol ogiuri procesebis qanvi Tarebas.

aseve SesaZI ebel ia mcenareTa damuSaveba 1%-iani
bordisi Txitan 0,2-0,3%-ani kabriotopi T.

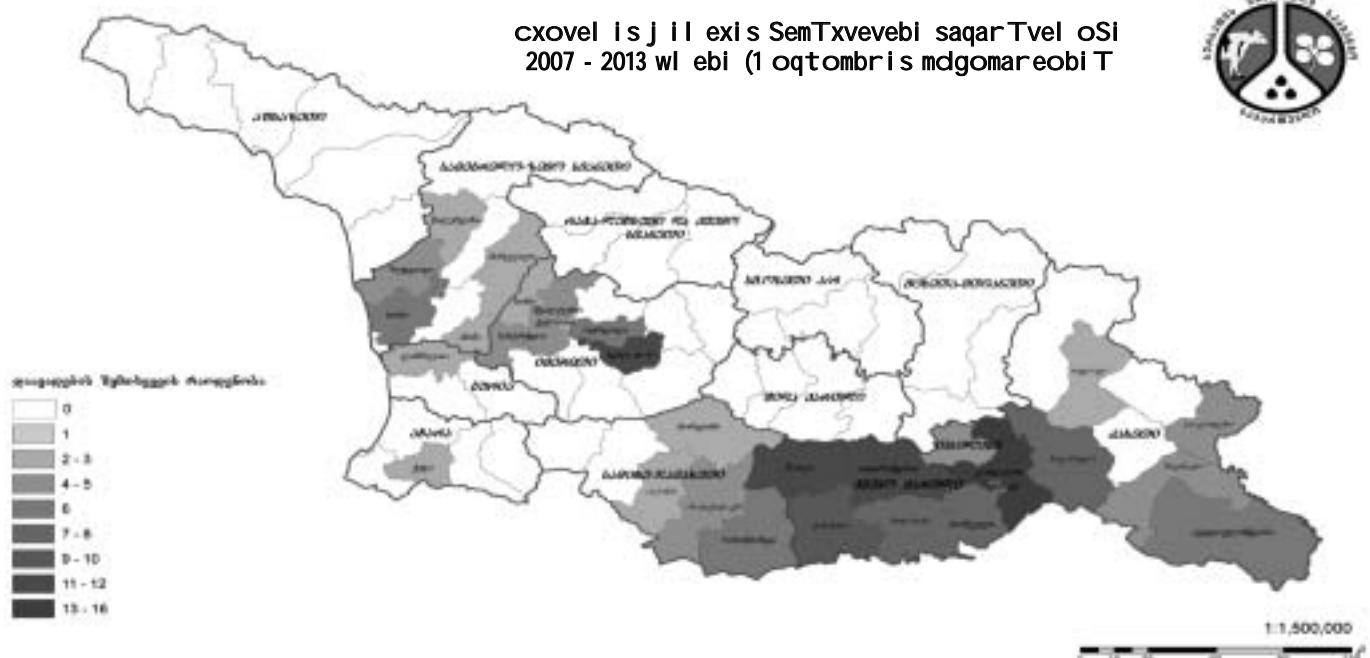
mcenareTa gamZI eobis gazrdis mizniT rekomende-
bul ia „organiki” 1%-iani xsnarit maTi foTI ovani
gamokveba an amave organul i sasuqis 2%-iani xsnaris
fesvTa sistemaSi, varjis gavrcel ebis areal Si 15-20
sm. ormoebSi, oTxive mxridan Setana.

*S. yanCavel i, I . rexviaSvi l i, d. gegeWkorl,
d. CaCani Ze, k. kikoria, T. xarxel i.*





cxovel i s j il exis SemTxvevebi saqarTvel oSi
2007 - 2013 wl ebi (1 oqtombris mdgomareobi T)



j il exi saqarTvel oSi

saqarTvel o agrarul i qveyanaa. misi mosaxl eobis 46.8% sofi ad cxovrobs, sadac Semosav i mni Svnel ovan wyaros sakuTari moxmarebis aTvis fermerul i saqmi anoba warmoadgens. saqarTvel oSi pirutyvis ramdenime daavadeba preval i rebs, romel ic rogorc fermerebis, aseve momxmarebl i saTvis sazi anoa. am daavadebebs Soris erT-erTi saSiSi daavadebaaj il exi (cimbirul i wyl ul i).

j il exi daavadeba mi ekuTvneba cxovel i sa da adamiani saTvis saer-To – zoonozur gansakuTrebiT sa-SiS infeqciur daavadebas, romel ic septicemi i ni SnejbiT, mZme intoq-sikaci iT da karbunkul ebis warmo-qmniT xasiaTdeba. saqarTvel oSi registrireb ul ia j il exiT daavadebul da dacemul cxovel Tamrav-I obiTi manifesturi (moqmedi, ni-adagobrivi) kera, romel Ta raodenoba 2000-ze metia daavadebis dros qveynisTvis mi yenebul i zaral i (social uri da ekonomikuri) didia.

daavadebis gamomwvevia gramda-debiTi, sporawarmqmnel i, Zewkviseburi formis baqteria acil-lus anthracis. cxovel ebSi j il exi xSir SemTxvevaSi sporebiT dabinZurebul i sakvebis an mcenareul i sakvebis mi Rebisas vi indeba. adgil obrivi, bal axismWamel i cxovel ebi s j i Sebi dan daavadebis mimarT maRaL i mgrZnobel obiT msxviT fexapirutyvi, cxvari, Txa,

cxeni da sxva kentCI iqiani cxovel i gamoirCeva. j il exis mimarT amTvisebel ia gareul i bal axism-Wamel i cxovel ebi. naki ebad amTvisebel ia: Rori, ZaRI i da kata, iisini bal axismWamel cxovel ebTan SedarebiT met mdgradobas iCenen daavadebis mimarT.

adamiani s daavadebis ZiriTad mizezs daavadebul cxovel Tan uSual o kontaqti warmoadgens. misi movl a, kontaqti inficirebul i eSTan, kontaqti inficirebul i cxovel is produqtebTan, rogoricaa xorci, tyavi an Zval i. j il exi gvxddeba mTel s msofi i-oSi – central ur, samxreT-dasavil eT aziis da samxreT da aRmosavil eT evropis qveynebSi. j il exi endemur daavadebad i Tvl eba, i gi saqarTvel oSi c endemuri daavadebis saxiTaris warmodgeni l i.

B. anthracis-is bunebriv rezervuars warmoadgens niadagi. daavadebis afetqeba pirutyvs

da gareul cxovel ebSi ganpiro-bebul ia j il exi sporebiT dabin-Zurebul i niadagis da wyl is rezervuarebiT. niadagis sporebiT dabinZurebis wyaroa warsul Si inficirebul i cxovel i. avadmyofi an mkvdari cxovel is I esid dan bacil ebis gamoyofa xdeba bunebrivi xvrel ebidan gamoyofil i si Txeebis saSual ebiT. bacil ebi haerTan kontaqtis dros warmoqmnian sporas da abinZureben garemos. sporis warmoqmnna aseve xdeba maSin, rodesac baqteria kontaqtSi Sedis haerTan daavadebul i cxovel is tan-xorcit I esismWamel i cxovel is kvebis an dakvl is dros.

mcoxnavi cxovel ebi ZiriTad dan avaddebian B. anthracis sporis dabinZurebul i bal axis, niadagis an mcenaris fesvis Wamis dros an cxovel is dawyurebis processi (roca wyl Si sporebis koncentracia maRaL ia). cxovel ebSi daavadebis afetqeba Seini Snea dabl obebSi, sadac nestiani niadagia da organul an tute pHankal ciu-mis i onebis maRaL i koncentracia gvxddeba. msgavsi pirobebi xel s uwyoobs sporis gadarCenas da ar-niSnul pirobebi spora Sesazi e-

bel ia a Taswl eul ebis ganmavl o- baSi SenarCundes.

j il exi sezonur xasi aTsata rebs da saZovrul periods ukavSi rdeba. saqarTvel oSi saZovrul i pe- riodi zogierT regionSi 8-10 Tve grZel deba.

j il exis afeTqeba cxovel ebSi dakavSi rebul ia zafxul is cxel da xangrZI iv periodTan, mSral amin- debTan, ZI ier wvimebTan da wyal - di dobebTan. Ziri Tadad daavadebis afeTqeba asocirdeba warsul Si da- avadebul i da damarxul i cxovel is I esis samarxis gaxsnasTan. daava- debis gavrceI ebis da meqanikurad gadacemis saSual ebas warmoadgens aseve mkbena ra buzebi da mwerebis nair saxeoba, roml ebic I eSiT ik- vebebian. maT SeuZI iaT meqanikurad sporebiT bal axis safaris da- binZureba. daavadebis afeTqe- bis mizezi SesaZI ebel ia iyos sporebiT dabinZurebul i ba- l axis safarvel i an amni adagi- dan aRebul i Tiva, aseve sakve- bis mineral uri danamatebi, Tu is damzaddeba inficirebul i cxovel isZvl is fqvil iT.

sagarTvel oSi j il exiT da- avadebul i adamianebsa da cxovel ebis raodenoba bol o aTwI eul is ganmavl obaSi ga- i zarda.

2007 wl idan oficial urad dadasturda 120 daavadebis SemTxveva cxovel ebSi, maT Soris: 109 SemTxveva msxviI fexa pirutyvSi, 9 - cxvarSi, 1 - cxenSi da 1 - RorSi. j il exiT daavadebu- l i adamianebsi raodenoba 499-ia (savaraudo da dadasturebul i SemTxveva erTad).

daavadeba j il exis kontrol i cxovel Taj anmrTel obis erovnu- l i programis nawil swarmoadgens. cxovel ebis profil aqtikuri vaq- cinacia mimdinareobs sursaTiS erovnul i saagentos mier da mo- icavs prevenciul Ronisziebebs, romel ic efeqturad xorciel de- boda 2009 wl amde da ganaxl da 2012 wl idan. garda profil aqtikuri vaqcinaciisa, j il exis infeqciis kerebSi daavadebis dafiqsirebis Semdeg yovel Tvis xorciel deba izul ebiTi vaqcinacia.

2012 wl is meore naxevarSi gan- xorciel da cxovel ebSi j il exis

profil aqtikuri vaqcinacia qveya- naSi riskebis gaTval i swinebiT, da- avadebase arakeTiI saimedo zoneb- Si vaqcinacia Cautarda 52 342 sul msxviI fexa pirutyvs. daavadebis gamovl inebis SemTxvevebSi Catarda cxovel Taizul ebiTi vaqcinacia, ra- drosac ai cra 130 962 sul i msxviI - fexa pirutyvi, 18 176 sul i wvriI - fexa pirutyvi, 295 sul i kentCI iqi- ani cxovel i da 79 sul i Rori.

2013 wl ispirvel naxevarSi pro- fil aqtikuri vaqcinacia Cautarda 143 271 cxovel s, maT Soris 75 524 sul msxviI fexa, 66 890 sul wvriI fexa pirutyvs da 857 sul cxens. daavadebis gamovl inebis SemTxvevebSi izul ebiTi vaqcinaciis Sedegad vaqcinirebul ia 25 038 cxovel i, maT Soris 15 662 su-

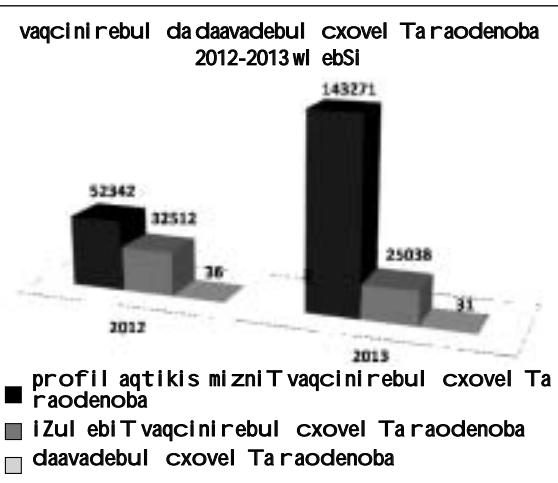
wavl as, riskfaqtorebis garkve- vas, Setyobinebis da SemTxvevebis registraciis sistemis naTI ad warmodgenas. kvl evis Sedegad mi- Rebul i informacia gamoyenebul i iqneba prevenciul i Ronisziebebis da daavadebis kontrol is stra- tegiis gaumj obesebaSi da ai saxeba cxovel ebis vaqcinaciis proces- ze, dai negeba mdgradi zedamxed- vel obis da kontrol is erovnul i programa j il exis daavadebase, romel ic xel s Seuwyobs epidemi- ol ogiuri situaciis gaumj obese- bas saqarTvel oSi.

mimdinare wel s daavadeba „j i- l exis erTiani j anmrTel obis“ j gufiis muSaobis Sedegad dai- beWda sainformacio-saganmanaT- l ebl o bukl etebi da posterebi (qarTul, azerbaij anul da somxur enebze) daavadeba j il exis Sesaxeb mosaxl e- obis codnis donis asamaR- l ebl ad.

amis mi uxedavad, aucil e- bel pirobadsigvaCni aqve- nis teritoriale epi- zootiis sawinaaRmdego Ronisziebebis srul yofil ad ganxorciel eba. epi- zootiis sawinaaRmdego Ronisziebebis gatareba ganapiro- bebs aRniSnul daavadebase epi- zootiuri keTiI saime- doobis mi Rweva-SenarCune- bas da cxovel Ta j anmrTe-

l obis dacvas, rac xel s Seuwyobs cxovel ebis daavadebis SemTxveve- bis Semcirebas da adamianebsi dac- vas. mosaxl eoba uzrunvel yofil i iqneba veterinarul i Tval sazri- siT keTiI saimedo mecxovel eo- bis produqtebiT, gaumj obesdeba produqciis raodenobrivi da xar- risxobrivi maCvenebel i, Semcir- deba qveyanaSi cxovel Ta infeqci- ur i daavadebis afeTqebiT gamow- veul i zaral i.

ciranafetvarize,
**sagarTvel os sofi ismeurneo-
 bis saministros s.s.i.p. sursaTiS
 erovnul i saagentos veterina-
 riis departamentis cxovel Ta
 gansakuTrebiT saSiSi infeqciuri
 daavadebebis zedamxedvel obis
 da riskis anal izis samarTvel os
 ufrosi special isti**



I i msxviI fexa, 9 097 wvriI fexa pirutyvi, 210 cxeni da 69 Rori.

mimdinare wel s cxovel ebSi dafiqsirebul ia daavadebis 31 Sem- Txveva, maT Soris 29 msxviI fexa da 2 wvriI fexa pirutyvSi. daava- deba gamovl inda im cxovel ebSi, roml ebic j il exis sawinaaRmdego vaqciniT ar iyvnen acril ni. aRsaniSnava, rom SemTxvevaTa raodenobis mateba wl is cxel periodSi da ZI ieri wvimebis Semdeg dafiq- siorda (ivl isidan seqtembris Ca- Tvi iT).

sagarTvel oSi cxovel Ta j anmrTel obis erTiani programis fargl ebSi Seqmnil ia daavadeba „j il exis erTiani j anmrTel obis“ j gufi. romel ic axorciel ebs kvl evas j il exis daavadebase.

kvl eva mi znad i saxavs j il exis daavadebis epidemiol ogiur Ses-

რა უდია ვიცოლეთ ჯილდუბის შესახებ

1

ჯილდები
(ციმბირული წყდული)
მწვავე ინფექციური
ეავალება.



ჯილდებით გარეული და შინაური
ცხოველები ავადდებიან: ძროხა,
ცხენი, თხა, ცხვარი, ლორი, და ა.შ.

გამომწვევი ნიადაგში წლობით
ინარჩუნებს დაავადების გამოწვევის
უნარს.

2

აღამიანი ყველაზე
ხშირად ავადება
ჯილდების კანის ფორმით.



თუმცა, არსებობს დაავადების
სხვა ფორმებიც:

- ინჰალაციური (ფილტვი)
- გასტროინტესტინალური
(კუჭ-ნაწლავი)
- ხახის

3

თუ თქვენს შინაურ
პირუტყვს შეამჩნევთ:
 • მაღის ეაქარგვას
 • ქოშინს
 • წყურვის
 • ჟეჭის აშეიღობას
 • მაღალ ტემპერატურას



• პირისა და ცხვირის ღრუებან
სისხენარევი ქაფისებრ
გამონავენს,

მოახდინეთ მისი იზოლაცია
და სასწრაფოდ შეატყობინეთ
ვეტერინარულ სამსახურს!

4

ჯილდების თავიდან
ასაცილებელად საჭიროა
ცხოველების დროული
ვაქცინაცია.

თუ პირუტყვი აცრილია ჯილდების
საწინააღმდეგო ვაქცინით,
დაავადების საშიშროება
აღარ არსებობს.



დაუშვებელია:

- ჯილდებით ინფიცირებული ცხოველის
დაკვლა
- საკვებად გამოყენება ან გაყიდვა.
- ხორცის ან სხვა პროცესების
დამეშავება,
- ლეშის გადაგდება

იმ აფგილას, საჭაც დაავადებული ცხოველი
დაიკვლება, ან ლეში დავარცება
ჯილდების ახალი კერა გაჩნდება!
კერა სპეციალური წესებით ვეტ-
სამსახურმა უნდა გაუვნებლოს.



5

თუ ეჭვი გაგიჩნეათ, რომ ჯილდები
ეაგემართათ, ეაუყოვნებელი
მიმართეთ ექიმს. ეაგვიანების
შემთხვევაში ინფექცია
რთულება ეა ხშირად
სიკვერცით სრულდება.

ნუ შეუქმნით საფრთხეს
თქვენი და მრავალი
აღამიანის სიცოცხლეს!



საქართველოს მინისტრის
თავმდებობისა და
სამინისტრო დაცვის
სამინისტრო



ფარავალიანი არარეალური და
სამინისტრო სამსახურის მინისტრის
მინისტრობის მინისტრობის



გთავაზობთ!

კომანა JOSKIN-ის

ორგანიული სასუტის ცისადაგზი

ზემოთ დანართში



JOSKIN

