



\$GYDQFHV LQ &DQFHU 3UHYHQWLRQ

4DQFKDO \$GY &DQFHU 3UHY
1,2,

&RPPHQWDU\

20,&6 ,QWH\

'HFLSKHULQJ WKH 5RVHWW 6WRQH RI \$VSLUL

+DUV D3DQFKDO

7KH *XMDUDW &DQFHU DQG 5HVHDFK ,QVWLWXWH \$KPHGDEG *XMDUDW ,QGLD

&RUUHVSRQGLQJ DOWXWRJ 3DQFKDO 3URIHVVRU DQG +HDG RI 0HGLFDO 2QFRORJ\ 7KH *XMDUDW &DQFHU
(PDLO GUKDUVKDSQFKDO#JPDLO FRP

5HFHLYHG GDWH 2FWREHU 1RYH \$FFHGSWBXEDWKHGI RYHPEHU

&RSULJKW 3DQFKDO +3 7KLV LV DQ RSHQ DFFHVV DUWLFOH GLVWULEXWHG XQGHU WKH WHUPV RI WKH
GLVWULEXWLRQ DQG UHSURGXFWRQ LQ DQ\ PHGLXP SURYLGHG WKH RULJLQDO DXWKRU DQG VRXUFH D

,QWURGXFWRQ

<RX FDQ ZDON LQWR DQ\ SKDUPDF\ JURFHU\ RU FRQYHQQLHQFH VWRUH DQG
EX\ DVSLULQJ ZLWKRXW D SUHVFULSWLRQ \$VSLULQJ LV YHU\ FRPPRQ\ XVHG DQG
HDVLO\ DYDLODEOH GUXJ ZLWK D SRWHQWLDO UROH LQ SUHYHQWLQJ WKH FRORU
FDQFHU OXQJ DQG KHGG DQG QHFN FDQFHU

\$VSLULQJ LV VSHFXODWHG WR SUHYHQW FDQFHU E\ PDQ\ PHFKDQLVPV
LQFUHDVLRQ WKH UDWK RI DSRSWRVLV LQ FDQFHU FHOOV LQKLELWLRQ RI
F\FORR\JHQDVH HQ\LVHQWLVWLRQ PDNHQWV LQ DQFHU DQG RYHPEHU

Z

DUGLRYDVFXODU GLVHVVH DQG HYHQ DQ
VXYFLHQWYHU XQFHUWDLQW\ UHJDUGLQJ
LQHUHDVHG LQFLGHV FRORUHQWLVWLRQ
R VXFK KLJK GRVHV FDQQRW EH URXWLQHO

\$W OHDVW \HDUV RI UHJXODU DVSL
DFKLHYH VXEVDQWLDO UHGXFWRQV LQ U

6R LW ZLOO WDNH DQWVXVWLRQV
UHFPPHQG LW@

LWK &2; SRVLWLYH RU 3, . &\$ PXWDQW

,Q D PHWD DQDO\VLV RI UDQGRPLJK ULVN SRSXODMORQV PDQGEHLGXDC
FRPSDUHG DVSLULQJ ZLWK SODFHER ,W JRXDGLVKHG FRORUHFWDQ FDQFHU WKDW
ZLWK D GHFUHDVH LQ GHDK IURP HODVW LQ DVSLULQJ XVH ZDV DVVRFLDWHG
LQMLDWLRQ RI DVSLULQJ 25 &, LQFOXGLQJ D GHFUHDVH
LQ GHDKV GXH WR FRORUHFWDQ FDQFHU VPROH SRUHQWLVWLRQ WKH XQVSHU
SDWLHQWV ZLWK GLVWDQW PHWDVWDVH DYODVH DOWHUWGLYHV RVLV FDSCHPFRQ
LQ D PHWD DQDO\VLV RI REVHUYDWLRQV QVFRORUFRVRS\ RU V\JPRLGRVFI

> @

ORUWDOLW\ GXH WR FDQFHU ZDV H\DPHQW LQ D PHWD DQDO\VLV RI
UDQGRPLJHG WULDOV WKDW FRPSDUHG DVSLULQJ ZLWK SODFHER X@G UWJISXQGHQ
DVSLULQJ XVH ZDV DVVRFLDWHG ZLWK DGHFUHDVH LQ GHDK IURP HODVW LQ DVSLULQJ
VWUDUWLQJ DGHFUHDVH LQ GHDK IURP HODVW LQ DVSLULQJ DOZD\ UHPDLQV

LQFOXGLQJ D GHFUHDVH LQ GHDKV GXH WR FRORUHFWDQ FDQFHU 25
&, H PHWD DQDO\VLV RI REVHUYDWLRQV QVFRORUFRVRS\ RU V\JPRLGRVFI
DOR VKRZHG D GHFUHDVH LQ \HDU PRUHQWLVWLRQV SUHYHQWLQJ WULDOV \$6&(1 \$&&(37 \$5
25 &,

+HDG DQG VTXDPRXV FHOV FDQFHU FRORUHQWLVWLRQV RYHPEHU F\PPDUNHUV W
WDUJHW SRSGHODMORQV DQWVXVWLRQV RSWLPD
UHJLPHQ IRU ORQJ WHUP DVSLULQJ WUHDW
HvHFVWGLQ[SHQVLYH VWUDWHJ\ RI FDQF

6WXGLHV WR GHYHORS QRYHO GH\PPDUNH
SRWHQWLDO RSWLPD GRVH DQG GRVLQJ
WUHDWPHQW

'DLO\ DVSLULQ XVH KDV EHHQ FRQYLQFLQJO\ VKRZQ WR UHGXFH WKH ULVN RI
FRORUHFWDQ FDQFHU EXW LQEHUHQHULVN SRSXODWLRQV WKLV
GRHV QRW RXWZHLJK KDUP IURP DVSLULQ LQGXFHG EOHHGLQJ DQG V\WHPDWLF
VLQHHFWV

5HIHUHQFHV

'XE«& 5RVWRP \$ /HZHQXVH RI DVSLULQ IRU SULPDU\
SUHYHQWLRQ RI FRORUHFWDQ FDQFHU D V\WHPDWLF UHYLHZ SUHSDUHG IRU WKH 8 6